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GARDNER'S

Commercially Important Chemicals

SYNONYMS, TRADE NAMES, AND PROPERTIES

EDITED BY G. W. A. MILNE

GARDNER'S COMMERCIALLY IMPORTANT CHEMICALS

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WILEY-INTERSCIENCE

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PREFACE

Through eleven editions, *Gardner's Chemical Synonyms and Trade Names* has become the best-known and most widely used source of information on chemicals in commerce. This companion Book reflects the continuing research underlying this reference work and presents a major expansion of the information provided for individual chemical compounds.

In the preparation of this Book, an effort has been made to include useful information on chemicals that play a significant role in commerce. The US Environmental Protection Agency (EPA), in cooperation with industry, maintains a list of "High Production Volume" (HPV) chemicals whose production volume in the US exceeds one million pounds per year. With the exception of fuels, some 1836 HPV chemicals have been included in this Book. Some other chemicals, notably drugs, are also very important in commerce although they are produced in much smaller quantities. Most pesticides also fail to reach this production level and the 502 most commonly prescribed drugs and 576 most heavily used pesticides have been included in this compilation, along with the more commonly used veterinary medicines and pharmaceutical excipients. In addition, some 2635 chemicals which are not in any of these categories but which are in the 11th. Edition of Gardners have also been included.

This compilation contains 4,174 entries drawn from these various sources. For each chemical, the appropriate identifying information (CAS Registry Number, structure, molecular formula and chemical name is provided and in each case, an exhaustive list of known synonyms for the materials is given. These synonyms include other identifiers, chemical names, tradenames and trivial names, in English and other languages. There are on average, some 18 synonyms for each chemical described in this Edition. Chemical properties of the compounds are given, as is information concerning known uses of the chemical. Biological data, in particular acute toxicity in various species is provided as available and finally, companies that manufacture or supply the material are identified.

The main criterion for inclusion of a material in this handbook is its importance as a significant commercially available chemical. Thus all bulk inorganic chemicals are included, all major pesticides (herbicides, insecticides, antifungal agents, and so on) and many dyestuffs, surfactants, metals and inorganic compounds are described in this book. Only the most commonly used drugs are included and for a more exhaustive coverage of drugs, the reader is referred to a separate publication, *Drugs: Synonyms and Properties*, published by Ashgate. Similarly, a complete coverage of pesticides may be found in the *Handbook of Pesticides*, also from Ashgate.

Almost all the records in this compilation carry the appropriate Chemical Abstracts Service (CAS) Registry Number and the associated EINECS (European Inventory of Existing Commercial Chemical Substances) number. Wherever possible, a chemical is thus tagged with the major American and European identification numbers. In addition, all chemicals in this edition which also appear in the Thirteenth Edition of the Merck Index have the Merck Index Number provided. Identifiers from other databases, such as Beilstein, and files maintained by governmental agencies such as UN, EPA, USDA and NCI are also provided and can be used as links to these databases. A feature of this database is the inclusion of physical properties and use data for pure chemicals. Properties that have been provided as available include the melting point, boiling point, density or specific gravity, optical rotation, ultraviolet absorption, solubility and acute toxicity. The major uses of most of the chemicals are indicated and, where appropriate, regulatory information is also provided.

Details of the structure of a record are provided in the section *How to Use this Book* on page xi.

Proprietary Considerations

Every attempt has been made to ensure the accuracy of the information provided in this Book. However, the publishers cannot be held responsible for the accuracy of the information, and users are expected to bear in mind the following information:

The reporting of a name in this Book cannot imply definitive legality in establishing proprietary usage. Questions concerning legal ownership of a particular name can be resolved by due legal process.

A manufacturer in some countries may manufacture its product under names different from those cited in this Book. Similarly, manufacture or marketing of a product may be licensed to a separate company in another country either under the same or a different name.

We trust that readers will find that this compilation contains a wealth of information which is difficult to obtain from any other source. It is the intention of the publishers to produce regularly updated editions and subsets of this compilation at suitable intervals in both printed and digital form. Companies wishing to submit new or updated material for inclusion in future editions should contact George W A Milne (address below).

Acknowledgements

The Editor would like to acknowledge the skilled programming performed by Dr Ju-yun Li which allowed for accurate formatting and typesetting of this handbook. Finally, I should like to acknowledge the expert assistance and continual support provided by my wife, Kay, without whom none of my deadlines would have been met.

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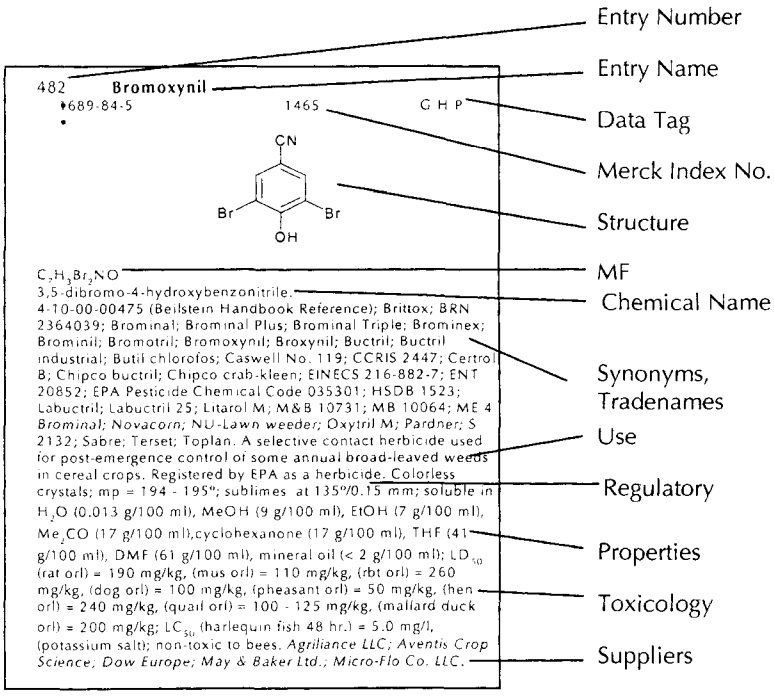
HOW TO USE THIS BOOK

The book is divided into three Sections; a main Section, an Index Section containing three Indexes and a Directory of Manufacturers and Suppliers. A brief description of each Section is given below

A. SECTION 1 contains a monograph for every chemical in the database. Every entry in this Section has a unique Entry Number which is used to find and refer to the entry it identifies. The Indexes in Section 2 of the Book make use of this Entry Number to facilitate cross-referencing back to Section 1.



A typical record is shown above. The first line contains the Entry Number for the record (482) and the name of the material (Bromoxynil). The second line gives the Chemical Abstracts Service (CAS) Registry Number (1689-84-5) for the compound, the corresponding Merck Index Entry (1465) and a data tag (G H P) indicating the file(s) which were the source of the compound. The CAS RN, Merck Index Number and Data Tag always appear in the same position (left, centre or right) enabling the reader to determine which source they belong to. The Data Tag may have any of 6 values, defined below:

D – Drug, in US Pharmacopeia
E – Pharmaceutical Excipient
G – In Gardner's (11th. Edition)
H – High Volume Production (HVP) Chemical in EPA HPV List
P – Pesticide
V – Veterinary Medicine

Whenever CAS Registry Numbers are used in the text, they are always enclosed in brackets, for example [122-99-6]. The structure and molecular formula of the compound are provided and the next line carries the chemical name of the compound. This is followed by as many as 200 synonyms, including identifiers, trade names, synonyms and other non-chemical names.

The use of the chemical and relevant regulatory information are then given and, when available, the physical properties are presented. These include melting point, boiling point, density or specific gravity, refractive index, uv absorption, solubility. Where available, acute toxicity data in various species are provided. Finally, the companies which manufacture or supply the product are given. It should be noted that almost all the data in this Book relate to pure compounds.

B. SECTION II contains three Indexes:

i) **Index 1** enables the reader to locate the Entry Number for any CAS (Chemical Abstracts Service) Registry Number.

ii) **Index 2** enables the reader to locate the Entry Number for any EINECS (European Inventory of Existing Commercial Chemical Substances) Number.

iii) **Index 3** contains all the names, synonyms and tradenames and ther identifiers for the compounds in the database. The chemical names of organic compounds are not useful as locators and have therefore been omitted from this Index.

This is probably the most convenient place to start if only a name is known. This thesaurus will refer the reader to the Entry Number in Part I, which relates to the main entry for that chemical.

C. **SECTION III** is a directory of chemical manufacturers and suppliers whose products are described in the Book. The entries are in alphabetical order by company name. Wherever possible, the postal address, telephone number, fax number and website address are provided.

GLOSSARY OF UNITS

Name	Description
Mass	Unless otherwise specified, mass is expressed in a multiple of grams (g), such as micrograms (μg; = 10^{-6} g), milligrams (mg; = 10^{-3} g), grams (g; = 10^{0} g), kilograms (kg; = 10^{+3} g), etc.
Volume	Volume is expressed in litres (l) or millilitres (ml) unless otherwise specified.
Temperature	When no units are cited, the temperature given is in degrees Celsius (°C).
Melting point	Melting points are cited in degrees Celsius (°C) unless otherwise specified.
Boiling point	When measured at atmospheric pressure, boiling points are cited with no pressure, e.g. bp = 167°. At other pressures, the pressure is also cited, i.e. $bp_{0.01}$ = 167°.
Density	The measurement temperature is given as a superscript; thus a density of 1.123 measured at 25°

will appear as $d^{25} = 1.123$. If the measurement was explicitly referenced to the density of water at 4°, the citation will carry both a superscript and a subscript, as in $d^{25}_{4} = 1.123$. Specific gravities are denoted by the abbreviation 'sg'.

Optical rotation

Optical rotations (α) are cited with the measurement temperature superscripted, and the measurement wavelength (often the sodium D line) subscripted, as in $[\alpha]^{25}_{D} = 105°$. When mutarotation can occur, the starting and an equilibrium values are given, as in $[\alpha]^{25}_{D} = 105° \pm 91°$.

UV absorption

The ultraviolet absorption maxima given by the material are cited in nanometers (nm = millimicrons, mμ) and the absorptivity E or A, (which are unitless) is also given.

Acute toxicity

Wherever possible the units of toxicity are LD_{50}, i.e. the dose which is lethal to 50% of the test animals. In most cases, acute toxicity is measured with the rat, orally administered, and the result is reported as LD_{50} (rat orl) = 50 mg/kg. Other species (for example, mus = mouse; rbt = rabbit; pgn = pigeon; hmn = human; chd = child; wmn = woman; gpg = guinea pig) are occasionally cited as are other administration routes (sc = subcutaneous; ihl = inhalation; ip = intraperitoneal; iv = intravenous). Chronic toxicity data are not given.

ABBREVIATIONS

Terms	Definition
ABS	acrylonitrile-butadiene-styrene
ACE	acetylcholinesterase
ACN	acrylonitrile
alc.	alcohol
AMP	2-amino-2-methyl-1-propanol
aq.	aqueous
ASA	acrylic-styrene-acrylonitrile
BHA	butylated hydroxyanisole
BHT	butylated hydroxytoluene
BMC	bulk molding compound
bp	boiling point
BP	British Pharmacopeia
BR	butadiene rubbers, polybutadienes
BRN	Beilstein Registry Number
B/S	butadiene/styrene
CAB	cellulose acetate butyrate
CAS	Chemical Abstracts Service
CCRIS	Chemical Carcinogenesis Research Information System (NLM)
CDA	completely denatured alcohol
CFC	Chlorofluorocarbon

C.I.	Color Index
CL	Cyanamid Laboratories
CMC	carboxymethylcellulose, critical micellar concentration
CNS	central nervous system
CPE	chlorinated polyethylene
CPVC	chlorinated polyvinyl chloride
CR	chloroprene rubber, polychloroprene
cs *or* cSt	centistoke(s)
CTFA	Cosmetic, Toiletries and Fragrance Association
DAP	diallyl phthalate, diammonium phosphate
DB	dichlorophenoxybutyric acid
DEA	diethanolamine, diethanolamide
DEDM	diethylol diethyl
DIBA	diisobutyl adipate
DIDA	diisodecyl adipate
DMC	4,4'-dichloro(methylbenzhydrol)
DMDM	dimethylol dimethyl
DMF	dimethlformamide
DMSO	dimethyl sulfoxide
DNPT	dinitrosopentamethylenetetramine
DOP	dioctyl phthalate
DOT	Department of Transportation
DP acid	diphenolic acid
DPG	diphenylguanidine
DTPA	diethylenetriamine pentaacetic acid
ECTFE	ethylene/chlorotrifluoroethylene copolymer
EDTA	ethylenediamine tetraacetic acid
EINECS	European Inventory of Existing Commercial Chemical Substances
EMC	electromagnetic conductive
EMI	electromagnetic interference
EO	ethylene oxide
EP	extreme pressure
EPA	Environmental Protection Agency
EPDM	ethylene-propylene-diene rubbers
EPM	ethylene-propylene rubbers
EPR	ethylene-propylene rubber
ESCR	environmental stress crack resistance
ETFE	ethylene tetrafluoroethylene

ETU	ethylene thiourea
EVA	ethylene vinyl acetate
F	Fahrenheit
FA	fatty acid
FDA	Food & Drug Administration
FEMA	Federal Emergency Management Agency
FEP	fluorinated ethylene propylene
FFA	free fatty acid
FG	food grade
fp	freezing point
FRP	fiberglass-reinforced plastic(s)
GFRP	glass fiber-reinforced plastic(s)
gran.	granular, granules
GRAS	generally recognized as safe
GRP	glass-reinforced plastics, polyester
HDI	hexamethylene diisocyanate
HDL	high density lipids
HDPE	high density polyethylene
HIPS	high impact polystyrene
HLB	hydrophilic-lipophilic balance
HPLC	high performance liquid chromatography
HSDB	Hazardous Substances Database
HPV	High Production Volume (Chemical)
IC	integrated circuit
ICI	Imperial Chemical Industries
ihl	inhalation
IIR	isobutylene-isoprene rubber
IPA	isopropyl alcohol
IPM	isopropyl myristate
IPP	isopropyl palmitate
IR	(synthetic) isoprene rubber, infrared
IU	international units
iv	intravenous
J	joule(s)
KTPP	potassium tripolyphosphate
LDL	low density lipids
LDPE	low density polyethylene
LED	light-emitting diode
LLDPE	linear low density polyethylene
Ltd	Limited
MA	methacrylic acid

MBCA	4,4'-methylene bis(orthochloroaniline)
MBT	mercaptobenzothiazole
MBTS	2-mercaptobenzothiazole disulfide
MCPA	(4-chloro-2-methylphenoxy) acetic acid
MDI	methylene diphenylene diisocyanate
MDM	monomethylol dimethyl
MDPE	medium density polyethylene
MEA	monoethanolamine, monoethanolamide
MEK	methyl ethyl ketone
MIBK	methyl isobutyl ketone
min.	minute(s), mineral, minimum
MIPA	monoisopropylamine, monoisopropylamide
MKP	monopotassium phosphate
MMW-HDPE	medium molecular weight high density polyethylene
MOCA	methylene bis(orthochloroaniline)
mp	melting point
MPK	methyl propyl ketone
MVTR	moisture vapor transmission rate
mw	molecular weight
N	normal
NBR	nitrile-butadiene rubber
NC	nitrocellulose
NCI	National Cancer Institute (NIH)
NCR	nitrile-chloroprene rubber
NEMA	National Electrical Manufacturers Association
N/F	non-flammable
NF	National Formulary
NIH	National Institutes of Health
NLM	National Library of Medicine (NIH)
NR	natural (isoprene) rubber
NSC	National Service Center (NCI)
NSF	National Science Foundation
NTA	nitrilotriacetic acid
OEM	original equipment manufacturer
OPP	oriented polypropylene
OTC	over the counter (i.e. non-prescription) drug
o/w	oil-in-water
Pa	Pascal
PAN	polyacrylonitrile

PBT	polybutylene terephthalate
pbw	parts by weight
PC	polycarbonate
PCA	2-pyrrolidine-5-carboxylic acid
PCP	pentachlorophenol
PCTFE	polychlorotrifluoroethylene
PE	polyethylene
PEEK	polyetheretherketone
PEG	polyethylene glycol
PEI	polyetherimide
PEK.	polyetherketone
PES	polyether sulfone
PET	polyethylene terephthalate
PFA	perfluoroalkoxy
PG	polypropylene glycol
pH	hydrogen ion concentration as negative logarithm
phr	parts per hundred of rubber or resin
PIB	polyisobutylene
pK	dissociation constant as negative logarithm
PMA	phosphomolybdic acid
PMMA	polymethyl methacrylate
PO	propylene oxide
POE	polyoxyethylene, polyoxyethylated
POM	polyoxymethylene
POP	polyoxypropylene, polyoxypropylated
PP	polypropylene
PPE	polyphenylene ether
PPG	polypropylene glycol
ppm	parts per million
PPO	polyphenylene oxide
PPS	polyphenylene sulfide
PS	polystyrene
PTFE	polytetrafluoroethylene
PTMEG	polytetramethylene ether glycol
PU, PUR	polyurethane
PVA, PVAL	polyvinyl alcohol
PVAc	polyvinyl acetate
PVB	polyvinyl butyral
PVC	polyvinyl chloride
PVDC	polyvinylidene chloride
PVDF	polyvinylidene fluoride

PVE	polyvinyl ethyl ether
PVF	polyvinyl fluoride
PVM	polyvinyl methyl ether
PVP	polyvinyl pyrrolidone
RCRA	Resource Conservation and Recovery Act (EPA)
RFI	radio frequency interference
RIM	reaction injection molded (molding)
RTM	resin transfer molding
RTV	room temperature vulcanizing
RV	recreational vehicle
SAN	styrene-acrylonitrile
S/B	styrene/butadiene
SBR	styrene/butadiene rubber
SBS	styrene-butadiene-styrene
SDA	specially denatured alcohol
SE	self emulsifying
SMA	styrene maleic anhydride
SMC	sheet molding compound
SPF	sun protection factor
SR	styrene rubber
SRF	semi-reinforced furnace
TBHQ	*tert*-butylhydroquinone
TDI	toluene diisocyanate
TEA	triethanolamine, triethanolamide
TFE	tetrafluoroethylene
THF	tetrahydrofuran
TIPA	triisopropanolamine
TMC	thick molding compound
TMPTA	trimethylolpropane triacrylate
TPGDA	tripropylene glycol diacrylate
TPO	thermoplastic polyolefin
UF	urea-formaldehyde
UHF	ultra-high frequency
UHMW	ultra high molecular weight
UHMWPE	ultra high molecular weight polyethylene
UL	Underwriter's Laboratory
UN	United Nations
UPVC	unplasticized polyvinyl chloride
USDA	United States Department of Agriculture

USP	United States Pharmacopeia
uv	ultra-violet
VA	vinyl acetate
VAE	vinyl acetate ethylene
VC	vinyl chloride
VdC, VDC	vinylidenechloride
VHF	very high frequency
VOC	volatile organic compounds
v/v	volume by volume
v/w	volume by weight
w/o	water in oil
w/v	weight by volume
w/w	weight by weight
XLPE	cross-linked polyethylene

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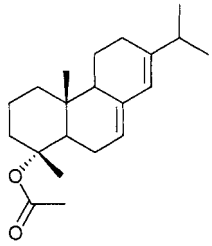
PART I

DICTIONARY

Chemical Names and Synonyms

1 **Abalyn**

127-25-3 6036 G



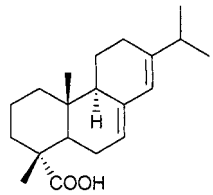
$C_{21}H_{32}O_2$

Methyl abietate.

4-09-00-02176 (Beilstein Handbook Reference); Abietic acid, methyl ester; AI3-01745; BRN 2702228; EINECS 204-832-7; Methyl 7,13-abietadien-18-oate; Methyl abietate; NSC 2141; Podocarpa-7,13-dien-15-oic acid, 13-isopropyl-, methyl ester. Resin with compatibility, surface wetting properties, viscosity. and tack. Used in lacquers, inks, paper coatings, varnishes, adhesives, sealing compounds, plastics, wood preservatives and perfumes. Pale yellow leaflets; bp = 360-365°, bp_{16} = 225-226°; d^{20} = 1.040; λ_m ■ 220, 233, 241 nm (ε = 6880, 7100, 7260, MeOH); insoluble in H_2O, soluble in EtOH, AcOH. *Hercules Inc.* 204-832-7

2 **Abietic acid**

514-10-3 5 G



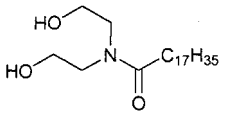
$C_{20}H_{30}O_2$

[1R-(1α,4aβ,4bα,10aα)]-1,2,3,4,4a,4b,5,6,10,10a-Deca-hydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrene-carboxylic acid.

7,13-Abietadien-18-oic acid; Abietate; Abietic acid; l-Abietic acid; AI3-17273; CCRIS 3183; EINECS 208-178-3; 13-Isopropylpodocarpa-7,13-dien-15-oic acid; Kys-elina abietova; NSC 25149; Podocarpa-7,13-dien-15-oic acid, 13-isopropyl-; Sylvic acid. A major active ingredient of rosin; used as varnish driers, in soaps, and in the fermentation industry. Used in lacquers, varnishes, soaps and plastics. Plates; mp ■ 173.5°; bp_9 = 250°; $[\alpha]_D^{20}$= -116° (c ■ 1 EtOH), λ_m = 235, 241.5, 250 nm (ε 19500, 22000, 14300); insoluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, C_6H_6; LD_{50} (mus iv) = 180 mg/kg. *Hercules Inc.* 208-178-3

3 **Ablumide SDE**

93-82-3 G



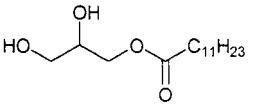
$C_{22}H_{45}NO_3$

Stearamide-DEA (1:1).

N,N-Bis(2-hydroxyethyl)octadecanamide; N,N-Bis(2-hydroxyethyl)stearamide; Diethanolamine stearic acid amide; EINECS 202-280-1; Octadecanamide, N,N-bis(2-hydroxyethyl)-; Stearamide DEA; Stearic acid diethanolamide; Stearoyl diethanolamide; N,N-Bis(hydroxyethyl)octadecanamide; N,N-Bis(2-hydroxy-ethyl)octadecanamide; N,N-Bis(2-hydroxyethyl)stear-amide; N,N-Bis(β-hydroxyethyl)stearamide; Clindrol 868; Clindrol 200-S; Cyclomide SD; Diethanolamine stearic acid amide; Diethanolstearamide; Onyxol 42; Schercomid ST; Stearamide DEA; Stearic acid diethanolamide; Stearic diethanolamide; Stearoyl Diethanolamide; N-Stearoyl diethanolamine; Unamide S. Thickener, emulsifier for mineral and vegetable oils, microcrystalline wax. *Heterene; Taiwan Surfactants.* 202-280-1

4 **Ablunol GML**

142-18-7 E G



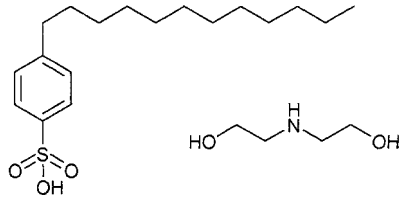
$C_{15}H_{30}O_4$

Glyceryl laurate.

Ablunol GML; Aldo® MLD; (±)-2,3-Dihydroxypropyl dodecanoate; 2,3-Dihydroxypropyl laurate; Dodecanoic acid α-monoglyceride; Dodecanoic acid, 2,3-dihydroxypropyl ester; Dodecanoic acid, 2,3-dihydroxypropyl ester; 3-Dodecanoyloxy-1,2-propanediol; EINECS 205-526-6; Glyceryl laurate; 1-Glyceryl laurate; Glycerol 1-laurate; Glycerol α-monolaurate; Glycerin 1-monolaurate; Glyceryl monododecanoate; (±)-Glyceryl 1-monododecanoate; Glyceryl monolaurate; Grindtek ML 90; Lauric acid α-monoglyceride; Lauric acid 1-monoglyceride; Lauricidin; Laurin, 1-mono-; 1-Monododecanoylglycerol; α-Monolaurin; 1-Monolaurin; 1-Monolauroyl-rac-glycerol; 1-Monomyristin; Laurin, 1-mono-2,3-dihydroxypropyl dodecanoate; Glycerin 1-monolaurate; Glycerol 1-dodecanoate; Glycerol 1-laurate; Glycerol 1-monolaurate; Glycerol α-monolaurate; 1-Glyceryl laurate; Glyceryl monododecanoate; Glyceryl monolaurate; Lauric acid 1-monoglyceride; Lauric acid α-monoglyceride; 1-Monolaurin. A dispersant and emulsifier for cosmetic, pharmaceutical and industrial use. Used as a dispersant for food products, oils, waxes, solvents; antifoaming agent; drycleaning soap base. Used in mold release agents. Component of water-oil and oil-water creams, lubricant, antistat, antifogging agent in plastics; antimicrobial effects reported. *Grindsted UK; Henkel/Emery; Lonzagroup; Protameen; Taiwan Surf.*

5 **Ablusol DBD**

26545-53-9 E G



$C_{18}H_{30}O_3S.C_4H_{11}NO_2$

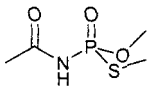
DEA dodecylbenzene sulfonate.

AI3-28007; BAS 089-00E; Benzenesulfonic acid, dodecyl-, compd. with 2,2'-iminobis(ethanol); Caswell No. 413D; DEA-Dodecylbenzenesulfonate; Diethanol-amine do-decylbenzene sulfonate; Diethanolamine do-decyl-benzenesulfonate; Dihydro-3-(tetrapropenyi)-2,5-furan-dione; Dihydro-3-(tetrapropenyl)furan-2,5-di-one; Do-decylbenzenesulfonic acid, diethanolamine salt; Dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1); DSA; DSA (crosslinking agent); EINECS 247-781-6; EINECS 247-784-2; EPA Pesticide Chemical Code 079015; 2,5-Furandione, dihydro-3-(tetrapropenyl)-; 2,5-Furandione, dihydro-3,3,4,4-tetra-1-propenyl-; RD 174; Succinic anhydride, (tetrapropenyl)-;

Tetrapropenylsuccinic anhydride; Bis(2-hydroxyethyl)-ammonium dodecylbenzenesulf-onate; BAS 089-00E; Diethanolamine dodecylbenz-enesulfonate; Diethanol-amine-dodecylbenzenesulf-onic acd adduct; Diethanol-amine-dodecylbenzene-sulfonic acid salt; Diethanol-ammonium dodecylbenz-enesulfonic acid; Dodecyl-benzenesulfonic acid dieth-anolamine salt; Dodecylbenzenesulfonic acid, diethan-olamine salt Mixture of o, m and p-isomers. Surfactant, emulsifier, wetting agent for bubble baths, shampoos and detergents. *Taiwan Surfactants.*

6 **Acephate**

30560-19-1 32 H P



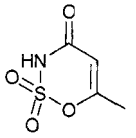
$C_4H_{10}NO_3PS$

O,S-Dimethyl acetylphosphoramidothioate.

12420; 75 SP; Acephat; Acephate; Acetamidophos; Acetylphosphoramidothioic acid O,S-dimethyl ester; AI3-27822; Asataf; BRN 1936365; Caswell No. 002A; Chevron Orthene; Chevron RE 12,420; Dimethyl acetylphosphoramidothioate; ENT 27822; EPA Pesticide Chemical Code 103301; HSDB 6549; Kitron; N-(Methoxy(methylthio)phosphinoyl)acetamide; Orthene; Orthene-755; Ortho; Ortho 124120; Ortran; Ortril; Phosphoramidothioic acid, N-acetyl-, O,S-dimethyl ester; RE 12420. Registered by EPA as an insecticide. White solid; mp = 64 - 68°; 82 - 93°; soluble in H_2O (79 g/100 ml), Me_2CO (15.1 g/100 ml), EtOH >10 g/100 ml), EtOAc (3.5 g/100 ml), C_6H_6 (1.6 g/100 ml), C_6H_{14} (0.01 g/100 ml), poorly soluble in aromatic solvents; LD_{50} (rat orl) = 700 mg/kg, (mrat orl) = 945 mg/kg, (frat orl) = 866 mg/l, (mus orl) = 361 mg/kg, (dog orl) > 681 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) = 350 mg/kg, (ckn orl) = 852 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 2050 mg/l, (rainbow trout 96 hr.) > 1000 mg/l, (channel catfish 96 hr.) = 2230 mg/l, (goldfish 96 hr.) = 9550 mg/l; toxic to bees. *Creative Sales Inc.; Drexel Chemical Co.; Ecolab Inc.; Micro-Flo Co. LLC; Scotts Co.; UAP - Platte Chemical; Valent USA Corp; Value Gardens Supply LLC; Whitmire Micro-Gen Research Laboratories Inc.*

7 **Acesulfame**

33665-90-6 38 G



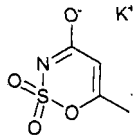
$C_4H_5NO_4S$

6-Methyl-1,2,3-oxathiazin-4(3H0-one 2,2-dioxide.

Acesulfame; Acesulfamo; Acesulfamum; Acetosulfam; 3,4-Dihydro-6-methyl-1,2,3-oxathiazin-4-one-2,2-di-oxide; EINECS 251-622-6; HSDB 3914; 6-Methyl-1,2,3-oxathiazin-4(3H)-on 2,2-dioxid; 6-Methyl-1,2,3-oxathia-zin-4(3H)-one 2,2-dioxide; 6-Methyl-3,4-dihydro-1,2,3-oxathiazin-4-one 2,2-dioxide; 1,2,3-Oxathiazin-4(3H)-one, 6-methyl-, 2,2-dioxide; Sunett. Sweetening agent. Needles; mp = 123-123.5°. AG; Hoechst.

8 **Acesulfame potassium**

55589-62-3 38 G



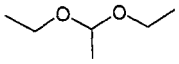
$C_4H_5NO_4S$

6-Methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide.

Acesulfam-K; Acesulfame K; Acesulfame potassium; Acesulfame potassium salt; CCRIS 1032; EINECS 259-715-3; H733293; Hoe 095; 6-Methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide, potassium salt; 1,2,3-Oxathiazin-4(3H)-one, 6-methyl-, 2,2-dioxide, potassium salt; Potassium 6-methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide; Potassium acesulfame. Sweetener used in foods and cosmetics. White solid; dec 225°; d = 1.81; λ_m = 225 nm (ε 10762); soluble in H_2O (360 g/l), organic solvents; LD_{50} (rat orl) = 7431 mg/kg. *Hoechst AG.*

9 **Acetal**

105-57-7 39 D G



$C_6H_{14}O_2$

1,1-Diethoxyethane.

.4-01-00-03103 (Beilstein Handbook Reference); Acetaal; Acetal; Acetal diethylique; Acetaldehyde diethyl acetal; Acetaldehyde ethyl acetal; Acetale; Acetol; Aceton® NS; Acetron®GP; AI3-24135; AT-20GF; BRN 1098310; Diaethylacetal; 1,1-Diaethoxy-aethan; 1,1-Diäthoxy-äthan; 1,1-Diethoxy-ethaan; 1,1-Diethoxyethane; Diethyl acetal; Diethylacetal; 1,1-Dietossietano; EINECS 203-310-6; Ethane, 1,1-diethoxy-; Ethylidene diethyl ether; FEMA No. 2002; HSDB 1635; NSC 7624; UN1088; USAF DO-45 ; Cadco® Acetal; Delrin® 100, 500; Delrin®100ST, 500T; Delrin® 107, 507; Delrin® 150 SA, 550SA; Delrin® 570; Delrin®900; Delrin® AF Blend; Electrafil® J-80/CF/10/TF/10; Thermocomp® KB-1008. Solvent in synthetic perfumes such as jasmine; used for organic syntheses. Acetal resin, 20% glass fiber-reinforced; offers lubricity and chemical and hot water resistance for automotive, hardware, plumbing applications. Acetal compound with solid lubricants; for bearing and wear applications, e.g. bearings, bushings, valve seats, seals, wear surfaces, rollers, gears, cams, liners, tooling fixtures, forming dies. Has been used medically as a sedative/hypnotic. Oil; mp = -100°; bp = 102.2°; d^{20} = 0.8254; soluble in H_2O (5 g/100 ml), $CHCl_3$, very soluble in Me_2CO, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 4.57 gm/kg. *Polymer Ag Inc.*

10 **Acetaldehyde**

75-07-0 40 G H

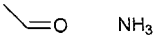
C_2H_4O

Ethyl aldehyde.

Acetaldehyd; Acetaldehyde; Acetic aldehyde; Acetic ethanol; Acetylaldehyde; AI3-31167; Aldehyde acetique; Aldeide acetica; CCRIS 1396; EINECS 200-836-8; Ethanal; FEMA No. 2003; HSDB 230; NCI-C56326; NSC 7594; Octowy aldehyd; RCRA waste number U001; UN1089. Used in manufacture of acetic acid, acetic anhydride, n-butanol, peracetic acid, pentaerythritol, pyridines, 1,3-butylene glycol, trimethylolpropane; synthetic flavors. Volatile liquid; mp = -123°; bp = 20.1°; d^{20} = 0.942; miscible with H_2O, EtOH; LD_{50} (rat orl) = 1930 mg/kg.

11 **Acetaldehyde ammonia**

75-39-8 41 G



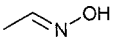
C_2H_7NO

1-Aminoethanol.

Acetaldehyde ammonia; AI3-52423; Aldamine; EINECS 200-868-2; Ethanol, 1-amino-; Hexahydro-2,4,6-trimethyl-s-triazine trihydrate; UN1841; Velsan. Exists as a trimer which is used in the manufacture of plastics and as a pickling inhibitor for steel, and is a rubber vulcanizing accelerator. A proprietary rubber vulcanization accelerator. Crystals; mp = 97°; bp= 110°; soluble in H_2O, less soluble in Et_2O.

12 **Acetaldoxime**

107-29-9 43



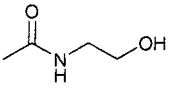
C_2H_5NO

Acetaldehyde oxime.

4-01-00-03121 (Beilstein Handbook Reference); Acetaldehyde, oxime; Acetaldoxime; AI3-52258; Aldoxime; BRN 1209252; CCRIS 1379; EINECS 203-479-6; Ethanal oxime; Ethylidenehydroxylamine; HSDB 2662; Hydroiminoethane; NSC 4974; UN2332; USAF AM-5. Needles; mp = 45°; bp = 115°; d^{20} = 0.9656; λ_m = 190 nm (ε = 5012); freely soluble in EtOH, Et_2O, soluble in H_2O, $CHCl_3$.

13 **Acetamide MEA**

142-26-7 G



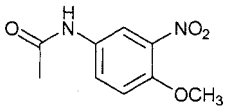
$C_4H_9NO_2$

N-Acetyl ethanolamine.

2-Acetamidoethanol; 2-Acetylaminoethanol; N-Acetyl-2-aminoethanol; N-Acetyl ethanolamine; 4-04-00-01535 (Beilstein Handbook Reference); Acetamide MEA; Acetamide, N-(2-hydroxyethyl)-; Acetic acid amide, N-(2-hydroxyethyl)-; Acetylcolamine; Acetyl-ethanolamine; AI3-02836; Amidex AME; BRN 1811708; Carsamide® AMEA; EINECS 205-530-8; N-Ethanolacetamide; HSDB 2713; Hydroxyethyl acetamide; β-Hydroxyethylacetamide; N-(2-Hydroxy-ethyl)acetamide; N-β-Hydroxyethylacetamide; N-2-Hydroxyethylacet-amide; Mackamide AME-75; Mack-amide AME-100; NSC 5999; Foamid AME-70; Foamid AME-75; Foamid AME-100; Hetamide MA; Incro-mectant AMEA-100, AMEA-70; Lipamide MEAA; Mackamide ™ AME-75, AME-100; Schercomid AME; Upamide ACMEA; Witcamide® CMEA. Used as antistat, humectant, conditioner for skin and hair products. Solvent, humectant, skin and hair cond-itioner, intermediate, coupling agent, pigment dispers-ant, clarifying agent for shampoos, moisturizer. Humectant; surfactant, thickener, foam booster/ stabilizer for personal care and industrial applications. Solid; mp = 65°; bp_8 = 166-167°; d^{25} = 1.1079; slightly soluble in C_6H_6, ligroin, soluble in Me_2CO, freely soluble in H_2O. *Chemron; McIntyre.*

14 **Acetamide, N-(4-methoxy-3-nitro-phenyl)-**

50651-39-3 H



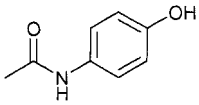
$C_9H_{10}N_2O_4$

3'-Nitro-p-acetanisidide.

Acetamide, N-(4-methoxy-3-nitrophenyl)-; 4-Acetyl-amino-2-nitroanisole; EINECS 256-686-9; 4'-Methoxy-3'-nitroacetanilide; N-(4-Methoxy-3-nitrophenyl)acet-amide; 3'-Nitro-p-acetanisidide; NSC 14685.

15 **Acetaminophen**

103-90-2 48 D G



$C_8H_9NO_2$

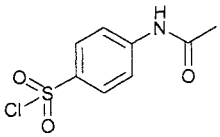
4'-Hydroxyacetanilide.

222 AF; A-Per; A.F. Anacin; Abenol; Abensanil; Abrol; Abrolet; Acamol; Acenol; Acertol; Acetagesic; Acetalgin; Acetaminofen; Acetaminophen; Acetamol; Acetanilide, 4'-hydroxy-; Acetofen; Actifed Plus; Actron; Afebrin; Afebryl; Aferadol; Algesidal; Algina; Algomol; Algotropyl; Alpiny; Alvedon; Amadil; Anadin dla dzieci; Anaflon; Analter; Andox; Anelix; Anexsia; Anhiba; Anti-Algos; Antidol; Apacet; Apamide; APAP; Apitrelal; Arfen; Asetam; Asomal; Aspac; Aspirin-Free Anacin; Asplin; Atralidon; Babikan; Bacetamol; Banesin; Bayer Select Allergy-Sinus; Bayer Select Head Cold; Bayer Select Headache Pain; Bayer Select Menstrual Multi-Symptom; Bayer Select Sinus Pain Relief; Ben-u-ron; Benmyo; Biocetamol; Cadafen; Calapol; Calmanticold; Calpol; Capital with Codeine; Captin; Causalon; CCRIS 3; Cefalex; Children's Acetaminophen Elixir Drops; Children's Acetamino-phen Elixir Solution; Children's Acetaminophen Oral Solution; Children's Tylenol Chewable; Ciaradol Codeine; Clixodyne; Cod-Acamol Forte; Codabrol; Codalgin; Codapane; Codicet; Codisal; Codisal Forte; Codoliprane; Codral Pain Relief; Cofamol; Contac Cough & Sore Throat Formula; Contra-Schmerz P; Coricidin; Coricidin D; Coricidin Sinus; Cosutone; Crocin; Croix Blanche; Cuponoi; Curadon; Curpol; Custodial; Dafalgan Codeine; Darocet; Darvocet-N; Datril; Daygrip; DEA No. 9804; Demilets; Deminofen; Democyl; Demogripal; Desfebre; Dhamol; DHCplus; Dial-a-gesic; Dirox; Disprol; Dol-Stop; Dolcor; Dolefin; Dolegrippin; Dolgesic; Doliprane; Dolko; Dolofugin; Doloreduct; Dolorfug; Dolorol Forte; Dolorstop; Dolotec; Dolprone; Dorocoff; Dresan; DRG-0007; Dristan Cold No Drowsiness; Dristancito; Drixoral Cold & Flu; Drixoral Sinus; Duaneo; Duorol; Duracetamol; Durapan; Dymadon; Dymadon Co; Dymadon Forte; Ecosetol; EINECS 203-157-5; Empracet; Endecon; Enelfa; Eneril; Eu-Med; Excipain; Exdol; Fanalgic; Farmadol; Febranine; Febrectal; Febrectol; Febrex; Febricet; Febridol; Febrilix; Febrin; Febro-gesic; Febrolin; Fendon; Fensum; Fepanil; Finimal; Finiweh; Fluparmol; Fortalidon P; Freka-cetamol; Gattaphen T; Gelocatil; Geluprane; Geralgine-P; Gripin Bebe; Grippostad; Gynospasmine; Hedex; Helon N; Homoolan; HSDB 3001; Hy-Phen; Hycomine Compound; Iidamol; Inalgex; Infadrops; Influbene N; Intensin; Junior Disprol; Kataprin; Kinder Finimal; Kratofin simplex; Labamol; Lekadol; Lemgrip; Lemsip; Lestemp; Liquagesic; Liquigesic Co; Liquiprin; Lonarid; Lonarid Mono; Lupocet; Lyteca; Magnidol; Malex N; Malgis; Malidens; Maxadol; Medinol Paediatric; Medocodene; Melabon Infantil; Mexalen; Midol Maximum Strength; Midol PM Night Time Formula; Midol Regular Strength; Midol Teen Formula; Migraleve Yellow; Minafen; Minoset; Miralgin; Mixture Name; Momentum; Mono Praecimed; Multin; N-(4-Hydroxyphenyl)acetamide; N-Acetyl-p-aminophenol; Naldegesic; Naprinol; NCI-C55801; NCX 701; Nebs; Neo-Fepramol; NeoCitran; Neodol; Neodolito; Neuridon; New Cortal for Children; NilnOcen; Nina; No-Febril; Nodolex; Noral; NSC 109028; Oltyl; Oralgan; Ornex Severe Cold Formula; Ortensan;

Oxycocet; p-Acetamidophenol; p-Acetaminophenol; p-Acetylaminophenol; p-Hydroxyacetanilide; Paceco; Pacemo; Pacemol; Pacet; Pacimol; Paedialgon; Paedol; Paldesic; Pamol; Panacete; Panadeine; Panadeine Co; Panadiene; Panado-Co; Panado-Co Caplets; Panadol; Panamax; Panasorbe; Panets; Panodil; Pantalgin; Para-Suppo; Para-Tabs; Paracemol; Paracenol; Paracet; Paracetamol; Paracetamol; Paracetamol; Paracetamol AL; Paracetamol Antipanin P; Paracetamol Basics; Paracetamol BC; Paracetamol Dr. Schmidgall; Paracetamol Fecofar; Paracetamol Genericon; Paracetamol Hanseler; Paracetamol Harkley; Paracetamol Heumann; Paracetamol Hexal; Paracetamol Italfarmaco; Paracetamol Nycomed; Paracetamol PB; Paracetamol Raffo; Paracetamol Ratiopharm; Paracetamol Rosch; Paracetamol Saar; Paracetamol SmithKline Beecham; Paracetamol Stada; Paracetamol von ct; Paracetamol Winthrop; Paracetamolo; Paracetamolo [Italian]; Paracetamolum [INN-Latin]; Paracetol; Paracin; Paracod; Paracodol; Parador; Paradrops; Parakapton; Parake; Paralen; Paralief; Paralink; Paralyoc; Paramol; Paramolan; Paranox; Parasedol; Parasin; Parcetol; Parmol; Parogal; Paroma; PCM Paracetamol Lichtenstein; Pe-Tam; Pediapirin; Pediatrix; Percocet; Percocet-5; Percocet-Demi; Percogesic with Codeine; Perdolan Mono; Phenaphen; Phenaphen W/Codeine; Phenipirin; Phogoglandin; Pinex; Piramin; Pirinasol; Plicet; Polmofen; Predimol; Predualito; Prodol; Prontina; Propacet; Puernol; Pulmofen; Pyregesic-C; Pyrigesic; Pyrinazine; Pyromed; Quiet World; Reliv; Remedol; Rhinex D-Lay Tablets; Robitussin Night Relief; Rockamol Plus; Rounox; RubieMol; Rubophen; Rupemol; Salzone; Sanicet; Sanicopyrine; Scanol; Scentalgyl; Scherzatabletten Rezeptur 534; Schmerzex; Sedalito; Semolacin; Servigesic; Seskamol; Setakop; Setamol; Setol; Sifenol; Sinaspril; Sine-Aid, Maximum Strength; Sine-Off Sinus Medicine Caplets; Sinedol; Sinmol; Sinubid; Spalt fur die nacht; Spalt N; St Joseph Aspirin-Free for Children; St Joseph Aspirin-Free; St. Joseph Cold Tablets for Children; Stanback; Stopain; Sudafed Cold and Cough; Sudafed Severe Cold Formula; Sudafed Sinus; Sunetheton; Supac; Supadol mono; Supofen; Suppap; Supramol-M; Tabalgin; Tachiprina; Tamol; Tapar; Tazamol; Tempra; Termacet; Termalgin; Termalgine; Termofren; TheraFlu; Tiffy; Titralgan; Toximer P; Tralgon; Treupel mon; Treupel N; Treuphadol; Triaminic Sore Throat Formula; Tricoton; Tussapap; Tylenol; Tylenol; Tylenol Allergy Sinus; Tylex; Tylex CD; Tylol; Tylox; Tymol; Upsanol; Utragin; Valadol; Valgesic; Vanquish; Veralgina; Vermidon; Verpol; Viclor Richet; Vicodin; Vips; Viruflu; Vivimed; Volpan; Zatinol; Zolben.; component of: Actifed Plus, Allerest Sinus Pain Formula, Anexsia, Aspirin-Free Anacin, Children's Tylenol Cold Tablets, Contac Cough & Sore Throat Formula, Contac Jr Non-drowsy Formula, Contac Nighttime Cold Medicine, Contac Severe Cold Formula, Coricidin, Darvoset-N, Dristan Cold (Multisymptom), Dristan Cold (No Drowsiness), Empracet, Endecon, Gemnisyn, Headache Strength Allerest, Hycomine Compound, Hy-Phen, Intensin, Liquiprin, Maximum Strength Sine-Aid, Midol, Midol Maximum Strength, Midol PMS, Naldegesic, Naldetuss, Ornex, Percocet, Percogesic with Codeine, Propacet, Quiet World, Rhinex D-Lay Tablets, Sinarest, Sine-Off Maxiumum Strength Allergy/Sinus, Sine-Off Maximum Strength No Drowsiness Formula Caplets, Sinubid, St Joseph's Cold Tablets for Children, Sudafed Sinus, Supac, Teen Midol, TheraFlu, Tylenol Allergy Sinus, Tylenol Cold and Flu Multi-Symptom, Tylenol Cold Medication Caplets, Liquid and Tablets, Tylenol Cold Night Time Liquid, Tylenol Cold No Drowsiness, Tylenol PM Tablets and Caplets, Tylenol with Codeine, Tylox, Vanquish, Vicodin, Wygesic, Zydone. Analgesic; antipyretic; anti-inflammatory. White solid; mp = 169-170.5°; d_4^{21}= 1.293; λ_m = 250 nm (ε 13800 EtOH); slightly soluble in cold H_2O, Et_2O; more soluble in hot H_2O; soluble in alcohol, dimethylformamide, ethylene dichloride, Me_2CO, EtOAc; nearly insoluble in petroleum ether, pentane, C_6H_6; LD_{50} (mus orl) = 338 mg/kg, (mus ip) = 500 mg/kg. *Bristol Myers Squibb Pharm. Ltd.; Bristol-Myers Squibb Co.; Forest Pharm. Inc.; McNeil Pharm.; Mead Johnson Nutritionals; Novo Nordisk Pharm. Inc.; Parke-Davis; Robins, A. H. Co.; Sterling Health U.S.A.; Warner-Lambert.*

16 **Acetanilide-p-sulfonyl chloride**

121-60-8 105 H



$C_8H_8ClNO_3S$

p-Acetamidobenzenesulfonyl chloride.

Acetanilide-p-sulfonyl chloride; Acetylsulfanilyl chloride; N-Acetylsulfanilyl chloride; N-Acetylsulphanilyl chloride; ASC; Benzenesulfonyl chloride, 4-(acetylamino)-; Dagenan chloride; EINECS 204-485-1; HSDB 2712; NSC 127860; Sulfanilyl chloride, N-acetyl-. Needles or prisms; mp = 149°; λ_m = 259 nm (ε = 17700, MeOH); soluble in C_6H_6, $CHCl_3$, very soluble in EtOH, Et_2O.

17 **Acetic acid**

64-19-7 56 G P

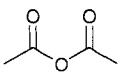
$C_2H_4O_2$

Ethanoic acid.

4-02-00-00094 (Beilstein Handbook Reference); Acetasol; Acetic acid; Acetic acid (natural); Acetic acid, glacial; Aci-Jel; Acide acetique; Acido acetico; AI3-02394; Azijnzuur; BRN 0506007; Caswell No. 003; CCRIS 5952; EINECS 200-580-7; EPA Pesticide Chemical Code 044001; Essigsäure; Essigsaeure; Ethanoic acid; Ethylic acid; FEMA Number 2006; Glacial acetic acid; HSDB 40; Kyselina octova; Methanecarboxylic acid; NSC 132953; Octowy kwas; Otic Domeboro; Otic Tridesilon; Pyroligneous acid; Shotgun; TCLP extraction fluid 2; UN2789; UN2790; Vinegar; Vinegar acid; Vosol. Used in manufacture of acetic anhydride, cellulose acetate, vinyl acetate monomer; acetic esters; production of plastics, pharmaceuticals, dyes, insecticides, photographic chemicals, food additives; solvent reagent. Registered by EPA as an antimicrobial and fungicide. FDA GRAS, BP, Europe listed, UK approved, USP/NF, BP compliance. Used as an acidifying agent, buffering agent, solvent, vehicle, flavoring agent, used in ophthalmics and otics. Used in manufacture of acetic anhydride, cellulose acetate, vinyl acetate monomer; acetic esters; production of plastics, pharmaceuticals, dyes, insecticides, photographic chemicals, food additives; solvent reagent. Used with thymol as a fumigant to reduce postharvest brown rot and blue mold rot in cherries. Clear liquid; mp = 16.6°; bp_{765} = 117.9°; d_4^{20}= 1.0492; miscible with H_2O, EtOH, glycerol, Et_2O, insoluble in CS_2. LD_{50} (rat orl) = 3310 mg/kg, TLV = 10 ppm in air. *Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; BASF Corp.; BP Chem.; Daicel (U.S.A.) Inc.; Diamalt; Eastman Chem. Co.; Ellis & Everard; Frutarom; General Chem; Harris Keith; Hoechst AG; Hoechst Celanese; Integra; Integrated Ingredients; Janssen Chimica; Mallinckrodt Inc.; Penta Mfg.; Pfalz & Bauer; PMC; Quantum/USI; Ruger; Sibner-Hegner; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Van Waters & Rogers.*

18 **Acetic anhydride**

108-24-7 57 G H



$C_4H_6O_3$

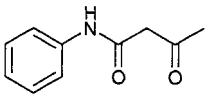
Acetic acid, anhydride.

4-02-00-00386 (Beilstein Handbook Reference); Acetanhydride; Acetic acid, anhydride; Acetic anhydride; Acetic oxide; Acetyl

acetate; Acetyl anhydride; Acetyl ether; Acetyl oxide; Anhydrid kyseliny octove; Anhydride acetique; Anidride acetica; Azijnzuuranhydride; BRN 0385737; Caswell No. 003A; CCRIS 688; EINECS 203-564-8; EPA Pesticide Chemical Code 044007; Essigsaeureanhydrid; Essigsäureanhydrid; Ethanoic anhydride; HSDB 233; Octowy bezwodnik; UN1715. Used in manufacture of cellulose acetate fibers and plastics and vinyl acetate; dehydrating and acetylating agent for pharmaceuticals, dyes, perfumes, explosives; aspirin; esterifying agent for food starch. Liquid; mp = -73°; bp = 139.5°; d^{20} = 1.082; slightly soluble in CCl_4, soluble in EtOH, $CHCl_3$, C_6H_6; very soluble in H_2O (reacts), freely soluble in Et_2O; LD_{50} (rat orl) = 1780 mg/kg. *Ashland; BP Chem.; Chisso Corp.; Eastman Chem. Co.; Hoechst Celanese; Lancaster Synthesis Co.; Union Carbide Corp.*

19 **Acetoacetanilide**

102-01-2 59 H



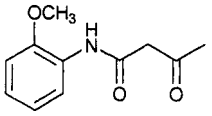
$C_{10}H_{11}NO_2$

2-Acetyl-acetanilide.

2-Acetyl-acetanilide; Acetoacetamidobenzene; Aceto-acetanilid; Acetoacetanilide; Acetylacetanilide; AI3-00854; Anilid kyseliny acetoctove; Butanamide, 3-oxo-N-phenyl-; Butanoic acid, 3-oxo-, amide, N-phenyl-; CCRIS 4534; EINECS 202-996-4; HSDB 2669; β-Ketobutyranilide; NSC 2656; USAF EK-1239. Prisms or needles; mp = 86°; λ_m = 244 nm (MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, ligroin.

20 **Acetoacet-o-anisidide**

92-15-9 H



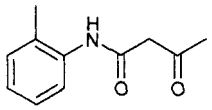
$C_{11}H_{13}NO_3$

Butanamide, N-(2-methoxyphenyl)-3-oxo-.

4-13-00-00865 (Beilstein Handbook Reference); Acetoacetyl-o-aniside; Acetoacetyl-o-anisidide; AI3-04822; BRN 1459707; Butanamide, N-(2-methoxyphenyl)-3-oxo-; EINECS 202-131-0; o-Methoxyacetoacetanilide; NSC 7563.

21 **2-Acetoacetylaminotoluene**

93-68-5 H



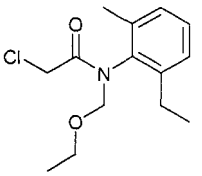
$C_{11}H_{13}NO_2$

Butanamide, N-(2-methylphenyl)-3-oxo-.

4-12-00-01777 (Beilstein Handbook Reference); Aceto-acet-o-toluidide; Acetoaceto-ortho-toluidide; Acetoacetyl-2-methylanilide; 2-Acetoacetylaminotol-uene AI3-08708; BRN 2099098; Butanamide, N-(2-methylphenyl)-3-oxo-; CCRIS 7750; EINECS 202-267-0; 2'-Methylaceto-acetanilide; N-(2-Methylphenyl)-3-oxobutanamide; NSC 7655.

22 **Acetochlor**

34256-82-1 62 H P



$C_{14}H_{20}ClNO_2$

2-Chloro-N-(ethoxymethyl)-6'-ethyl-o-acetotoluidide.

Acenit; Acetal; Acetochlor; Acetochlore; Azetochlor; BRN 2859702; Caswell No. 003B; CCRIS 7709; 2-Chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)-acetamide; 2-Chloro-N-(ethoxymethyl)-6'-ethyl-o-ace-totoluidide; 2-Chloro-2'-methyl-6'-ethyl-N-ethoxy-methyl-acetanilide; CP 55097; Doubleplay; EPA Pesticide Chemical Code 121601; Erunit; Harness; HSDB 6550; MG 02; MON 097; MON-097; Nevirex; Top Hand; Topnotch. Registered by EPA as a herbicide. Straw-colored oil; mp = 0°; $bp_{0.4}$ = 134°; soluble in H_2O (0.0223 g/100 ml at 25°), soluble in Et_2O, Me_2CO, C_6H_6, $CHCl_3$, EtOH, EtOAc, C_7H_8; LD_{50} (rat orl) = 1160 mg/kg, 2953 mg/kg, (rbt der) = 3667 mg/kg, (bobwhite quail orl) = 1260 mg/kg, (bee) = 1.715 mg/bee; LC_{50} (rat ihl 4 hr.) = 3 mg/l air, (rainbow trout 96 hr.) = 0.5 mg/l, (bluegill sunfish 96 hr.) = 1.3 mg/l; toxic to bees. *Dow AgroSciences; Monsanto Co.; Pace International LLC; Syngenta Crop Protection.*

23 **Acetone**

67-64-1 67 G P

C_3H_6O

Dimethyl ketone.

Aceton; Acetone; Acetone pyroacetic ether; AI3-01238; Caswell No. 004; CCRIS 5953; Chevron acetone; Dimethyl formaldehyde; Dimethyl ketone; Dimethylketal; EINECS 200-662-2; EPA Pesticide Chemical Code 004101; FEMA No. 3326; HSDB 41; Ketone, dimethyl; Ketone propane; β-Ketopropane; Methyl ketone; NSC 135802; Propanone; 2-Propanone; Pyroacetic acid; RCRA waste number U002; UN1090. Disinfectant, possibly antibacterial. Registered by EPA (cancelled). FDA listed (30 ppm tolerance in spice oleoresins), FEMA GRAS, Japan approved with restrictions, USP/NF, BP compliance. Used as a solvent and flavoring agent. Used as a solvent for paints, varnishes and lacquers; for cleaning and drying precision equipment; delustrant for cellulose acetate fibers. Clear mobile liquid; mp = -94.8°; bp = 56.0°; d^{20} = 0.7899, d^{25} = 0.788; miscible with H_2O, EtOH, DMF, Et_2O; CCl_4, most oils; LD_{50} (rat orl) = 8300 mg/kg (10.5 ml/kg). *Allied Signal; Ashland; BASF Corp.; BP Chem.; Dow Chem. U.S.A.; Eastman Chem. Co.; Mitsui Petroleum; Montedipe SpA; Ruger; Shell; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Texaco; Union Carbide Corp.*

24 **Acetone cyanohydrin**

75-86-5 68 H

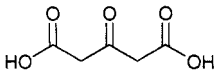
C_4H_7NO

2-Hydroxy-2-methyl-propanenitrile.

4-03-00-00785 (Beilstein Handbook Reference); Acetoncianhidrinei; Acetoncianidrina; Acetoncyaan-hydrine; Acetoncyanhydrin; Acetone cyanhydrin; Acet-one cyanohydrin; Acetonecyanhydrine; Acetonkyan-hydrin; AI3-04257; BRN 0605391; CCRIS 4657; Cyanhydrine d'acetone; EINECS 200-909-4; HSDB 971; Lactonitrile, 2-methyl-; NSC 131093; Propanenitrile, 2-hydroxy-2-methyl-; RCRA waste number P069; UN1541; USAF RH-8. Used in chemical synthesis Liquid; mp = -19°; bp_{23} = 82°; d^{19} = 0.932; soluble in H_2O and polar organic solvents; LD_{50} (rat orl) = 170 mg/kg. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

25 **Acetone dicarboxylic acid**

542-05-2 69 G



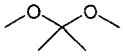
$C_5H_6O_5$

1,3-Acetonedicarboxylic Acid.

Acetone-1,3-dicarboxylic acid; Acetonedicarboxylic acid; ADA; EINECS 208-797-9; β-ketoglutaric Acid; 3-Ketoglutaric acid; 3-Oxoglutaric acid; 3-Oxopentanedioic acid; Pentanedioic acid, 3-oxo-. Used in organic synthesis, manufacturing. Needles; mp = 138°; insoluble in C_6H_6, $CHCl_3$, ligroin, slightly soluble in Et_2O, soluble in H_2O, EtOH, EtOAc, very soluble in H_2O, EtOH, less soluble in organic solvents. *Dajac Labs.; Janssen Chimica; Lonzagroup; Penta Mfg.*

26 **Acetone dimethyl ketal**

77-76-9 H



$C_5H_{12}O_2$

2,2-Dimethoxypropane.

Acetone, dimethyl acetal; Acetone dimethyl ketal; AI3-26275; EINECS 201-056-0; NSC 62085; Propane, 2,2-dimethoxy-. Liquid; mp = -47°; bp = 83°; d^{25} = 0.847.

27 **Acetonitrile**

75-05-8 71 G H

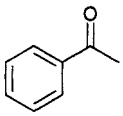
C_2H_3N

Ethanenitrile.

Acetonitril; Acetonitrile; AI3-00327; CCRIS 1628; Cyanomethane; Cyanure de methyl; EINECS 200-835-2; Ethyl nitrile; HSDB 42; Methane, cyano-; Methane-carbonitrile; Methyl cyanide; Methylkyanid; NCI-C60822; NSC 7593; RCRA waste number U003; UN1648; USAF EK-488. Solvent for hydrocarbon extraction processes, especially for butadiene; intermediate; catalyst; for separation of fatty acids from vegetable oils; manufacture of synthetic pharmaceuticals. Liquid; mp = -43.8°; bp = 81.6°; d_{20} = 0.7857; d_{30} = 0.7712; miscible with H_2O, MeOH, organic solvents, immiscible with saturated hydrocarbons; LD_{50} (rat orl) = 3800 mg/kg. *BP Chem.; DuPont UK; E. I. DuPont de Nemours Inc.; Greeff R.W. & Co.; Penta Mfg.*

28 **Acetophenone**

98-86-2 74 D G H



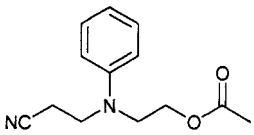
C_8H_8O

Ethanone, 1-phenyl-.

Acetofenon; Acetophenon; Acetophenone; Acetyl-benzene; Acetylbenzol; AI3-00575; Benzene, acetyl-; Benzoyl methide; CCRIS 1341; EINECS 202-708-7; Ethanone, 1-phenyl-; FEMA Number 2009; HSDB 969; Hypnone; Ketone, methyl phenyl; Methyl phenyl ketone; NSC 7635; Phenyl methyl ketone; RCRA waste number U004; USAF EK-496. Used in perfumery and as a solvent and an intermediate for pharmaceuticals, resins, etc.; in flavoring; as a polymerization catalyst, in organic synthesis. Has been used medically as a sedative-hypnotic mp = 20.5°; bp = 202°; d_{15} = 1.033; λ_m = 242, 279, 318 nm (ε = 12600, 1050, 60, EtOH); very slightly soluble in H_2O, freely soluble in EtOH, $CHCl_3$, Et_2O, fatty oils, glycerol; LD_{50} (rat orl) = 0.90 g/kg. *BP Chem.; EniChem Am.; Janssen Chimica; Mitsui Petroleum; Mitsui Toatsu; Montedipe SpA; Penta Mfg.*

29 **N-Acetoxyethyl-N-cyanoethylaniline**

22031-33-0 H



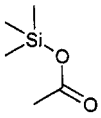
$C_{13}H_{16}N_2O_2$

Propanenitrile, 3-((2-(acetyloxy)ethyl)phenylamino)-.

3-((2-(Acetyloxy)ethyl)phenylamino)propanenitrile; N-Acetoxyethyl-N-cyanoethylaniline; Aniline, N-acetoxy-ethyl-N-cyanoethyl-; 2-(N-(2-Cyanoethyl)anilino)ethyl acetate; EINECS 244-740-4; Propanenitrile, 3-((2-(acetyloxy)ethyl)phenylamino)-; Propionitrile, 3-(N-(2-hydroxyethyl)anilino)-, acetate (ester).

30 **Acetoxytrimethylsilane**

2754-27-0 G



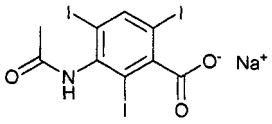
$C_5H_{12}O_2Si$

Trimethylsilylacetate.

(Acetato)trimethylsilane; CT3254; EINECS 220-404-2; NSC 96780; Silanol, trimethyl-, acetate; Trimethyl-acetoxysilane; Trimethylsilyl acetate. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

31 **Acetrizoate sodium**

129-63-5 81 G



$C_9H_5I_3NNaO_3$

3-(Acetylamino)-2,4,6-triiodobenzoic acid sodium salt.

3-Acetamido-2,4,6-triiodobenzoic acid sodium salt; Acetrizoate de sodium; Acetrizoate sodium; Acetrizoato sodico; Acetrizoic acid sodium salt; Acidum acetrizoicum; Benzoic acid, 3-acetamido-2,4,6-triiodo-, monosodium salt; Bronchoselectan; Cystokon; Diaginol; EINECS 204-956-1; Fortombrine-N; Iodopact; Iodopaque; Jodopax; MP 1023; Natrii acetrizoas; Pyelokon-R; Reopak; Salpix; Sodium 3-acetamido-2,4,6-triiodo-benzoate; Sodium 3-acetyl-amino-2,4,6-triiodobenzoate; Sodium acetriz-oate; Sodium urokon; Thixokon; Tri-abrodil; Triiodyl; Triio-trast; 2,4,6-Trijod-3-acetamino-benzosaeure natrium; Triopac; Triopac 200; Triopas; Triumbren; Triurol; Triuropan; Urokon Sodium; Vesamin. A radiopaque medium, used as a diagnostic aid. Marketed as a sterile 30% aqueous solution. Free acid: mp = 278-283° (dec); soluble in H_2O (94 g/100 ml), EtOH; LD_{50} (rbt iv) = 5200 mg/kg.

32 Acetulan

8028-98-6 5374 G

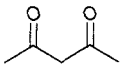
$C_{18}H_{36}O_2$

Cetyl acetate.

Acetol; Acetylated lanolin alcohol; Acetulan®. Acetylated lanolin alcohol; binder for pressed powders; emollient, plasticizer, cosolvent, NV and sebum solvent for personal care products; lubricant for clay, talc, and starch; stabilizer for lanolin; solubilizer in Aerosols®; penetrant and spreading agent. Pale yellow oil; d ▪ 0.867; miscible with mineral oil, castor oil, vegetable oil, i-PrOH, EtOH, isopropyl palmitate, butyl stearate. *Amerchol.*

33 Acetylacetone

123-54-6 83 G H



$C_5H_8O_2$

Pentane-2,4-dione.

4-01-00-03662 (Beilstein Handbook Reference); ACAC; Acetoacetone; Acetyl 2-propanone; Acetyl acetone; AI3-02266; BRN 0741937; CCRIS 3466; Diacetylmethane; EINECS 204-634-0; HSDB 2064; NSC 5575; Pentan-2,4-dione; Pentane-2,4-dione; 2,4-Pentanedione; Pentane-dione; UN2310. Solvent for cellulose acetate; intermediate; chelating agent for metals, paint drier, lubricant additives, pesticides. Liquid; mp = -23°; bp = 138°; d^{25} = 0.9721; λ_m = 272 nm (ε = 6800, MeOH); very soluble inH_2O, freely soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$; LC_{50} (rat inh) = 4000.ppm/4 hrs. *Penta Mfg.; Sigma-Aldrich Fine Chem.; Union Carbide Corp.; Wacker Chemie GmbH.*

34 Acetyl chloride

75-36-5 87 G H

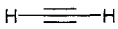
C_2H_3ClO

Acetic acid, chloride.

4-02-00-00395 (Beilstein Handbook Reference); Acetic acid, chloride; Acetic chloride; BRN 0605303; CCRIS 4568; EINECS 200-865-6; Ethanoyl chloride; HSDB 662; RCRA waste number U006; UN1717. Acetylating agent for organic preparations; used in manufacture of dyestuffs and pharmaceuticals. Liquid; mp = -112.8°; bp = 50.7°; d^{20} = 1.1051; miscible with C_6H_6, $CHCl_3$, Et_2O; AcOH, petroleum ether; reacts with H_2O. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

35 Acetylene

74-86-2 92 G H



$C_2H_2Cl_2$

Ethyne.

Acetylen; Acetylene; EINECS 200-816-9; Ethine; Ethyne; HSDB 166; Narcylen; UN1001. An asphyxiant gas; intermediate for manufacture of vinyl chloride, vinylidene chloride, vinyl acetate, acrylates, acrylonitrile, acetaldehyde, perchloroethylene trichloroethylene, 1,4-butanediol, carbon black, welding and cutting metals. Colorless gas; mp = -81°; d = 1.165 g/l (0°, 760 mm), d of gas = 0.90 (air = 1); soluble in H_2O (1:1 v/v), soluble in AcOH, EtOH, Et_2O, C_6H_6, Me_2CO; LC (rat inh) = 9000 ppm. *Air Products & Chemicals Inc.; BASF Corp.; BOC Gases; Union Carbide Corp.*

36 Acetylene dichloride

540-59-0 94 G

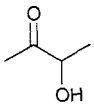
$C_2H_2Cl_2$

1,2-dichloroethylene.

2-01-00-00158 (Beilstein Handbook Reference); Acetylene dichloride; BRN 1719345; CCRIS 6227; 1,2-DCE; 1,2-Dichlor-aethen; 1,2-Dichlor-äthen; 1,2-Dichloroethene; 1,2-Dichloroethylene; sym-Dichloro-ethylene; Dichloro-1,2-ethylene; Dioform; EINECS 208-750-2; Ethene, 1,2-dichloro-; Ethylene, 1,2-dichloro-; HSDB 149; NCI-C56031; dichloracetylene. Used as a general solvent for organic materials, dye extraction, perfume, lacquers, thermoplastics, organic synthesis. Liquid; mp = -57°; bp = 48-60°; d ▪ 1.265; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 770 mg/kg; LD_{50} (mus ip) = 2150 mg/kg; gradually decomposes from air, light and moisture forming HCl. *Sigma-Aldrich Fine Chem.*

37 Acetyl methyl carbinol

513-86-0 65 G



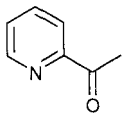
$C_4H_8O_2$

3-Hydroxy-2-butanone.

2-01-00-00870 (Beilstein Handbook Reference); Acethoin; Acetoin; Acetyl methyl carbinol; AI3-03314; BRN 0385636; Butan-2-oi-3-one; 2,3-Butanolone; 2-Butanone, 3-hydroxy-; CCRIS 2918; Dimethylketol; 2-Hydroxy-3-butanone; 3-Hydroxy-2-butanone; 1-Hydroxyethyl methyl ketone; EINECS 208-174-1; FEMA No. 2008; γ-Hydroxy-β-oxobutane; HSDB 974; Methanol, acetylmethyl-; NSC 7609; UN2621. Aroma carrier; preparation of flavors and essences. Liquid; mp = 15°; bp = 148°; d_{17} = 0.9972; freely soluble in H_2O, EtOH, sparingly soluble in Et_2O, petroleum ether. *BASF Corp.; Penta Mfg.*

38 2-Acetyl pyridine

1122-62-9 G



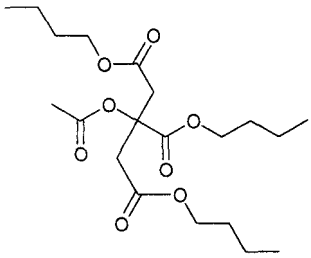
C_7H_7NO

Methyl-2-pyridyl ketone.

AI3-52210; 2-Acetopyridine; 2-Acetylpyridine; CCRIS 7784; EINECS 214-355-6; Ethanone, 1-(2-pyridinyl)-; FEMA No. 3251; Ketone, methyl 2-pyridyl; Methyl 2-pyridyl ketone; NSC 15043; 1-(2-Pyridinyl)ethanone; 2-Pyridyl methyl ketone. Chemical intermediate. Crystals; mp ▪ 8-10°; bp = 192°; d = 1.082; λ_m = 226, 258, 266, 276 nm (log ε = 4.43, 2.82, 2.85, 2.60); insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O, AcOH; LD_{50} (rat orl) = 1495 mg/kg, (rat ip) = 1150 mg/kg. *Lancaster Synthesis Co.; Penta Mfg.; Raschig GmbH; Reilly Ind.; Spectrum Chem. Manufacturing.*

39 Acetyltributylcitrate

77-90-7 G H



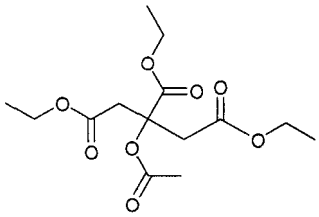
$C_{20}H_{34}O_8$

Tributyl 2-(acetyloxy)-1,2,3-propanetricarboxylate.

Acetyl tributyl citrate; Acetylcitric acid, tributyl ester; AI3-01999; Bio-trol; BRN 2303316; Caswell No. 005AB; CCRIS 3409; Citric acid, tributyl ester, acetate; Citroflex A; Citroflex A 4; EINECS 201-067-0; FEMA No. 3080; HSDB 656; NSC 3894; Tributyl 2-(acetyloxy)-1,2,3-propanetricarboxylate; Tributyl 2-acetoxy-1,2,3-propanetricarboxylate; Tributyl acetyl citrate; Tributyl citrate acetate; Tributyl O-acetylcitrate. Plasticizer for PVC, PVDC, especially food films, medical articles. Plasticizer for indirect and direct food contact applications; milling lubricant for aluminum foil or sheet steel for use in cans for beverage and food products; in PVC toys, cellulose nitrate films, Aerosol® hair sprays, and dairy product cartons. Colorless oil; mp = -80°; bp = 172-174°; d = 1.048; insoluble in H_2O, soluble in organic solvents. *Yamanouchi Europe B.V.; Yamanouchi Pharma.*

40 Acetyl triethyl citrate

77-89-4 G



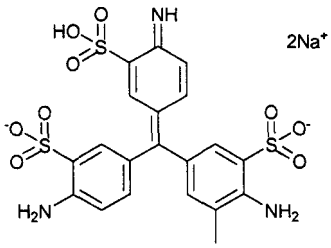
$C_{14}H_{22}O_8$

1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, triethyl ester.

3-03-00-01105 (Beilstein Handbook Reference); 2-(Acetyloxy)-1,2,3-propanetricarboxylic acid, triethyl ester; Acetyl triethyl citrate; AI3-03574; ATEC; BRN 1804947; Citric acid, acetyl triethyl ester; Citric acid, triethyl ester, acetate; Citroflex A 2; EINECS 201-066-5; NSC 3887; Tricarballylic acid, β-acetoxytributyl ester; Triethyl 2-acetoxy-1,2,3-propanetricarboxylate; Trieth-yl acetyl-citrate; Triethyl citrate, acetate; Triethyl O-acetylcitrate; Triethylester kyseliny acetylcitronove. Plasticizer for cellulosics; used in food packaging materials. Liquid; bp_{40} = 214°, bp_{100} = 228-229°; d = 1.136; n^{20}_D = 1.4390. *Yamanouchi Europe B.V.; Yamanouchi Pharma.*

41 Acid fuchsine

3244-88-0 109 G



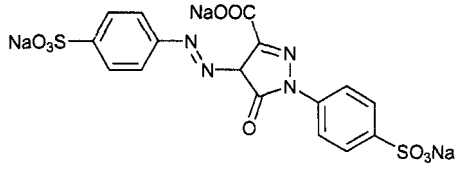
$C_{20}H_{17}N_3Na_2O_9S_3$

2-Amino-5-[(4-amino-3-sulfophenyl)(4-imino-3-sulfo-2,5-cyclohexadien-1-ylidene)methyl]-3-methylbenz-enesulf-onic acid disodium salt.

Acid fuchsin; Acid fuchsine; Acid fuchsine FB; Acid fuchsine N; Acid fuchsine O; Acid fuchsine S; Acid leather magenta A; Acid magenta; Acid magenta O; Acid rosein; Acid rubin; Acidal fuchsine; Acidal magenta; C.I. Acid Violet 19, disodium salt; 3-(1-(4-Amino-3-methyl-5-sulphonatophenyl)-1-(4-amino-3-sulphonatophenyl)-methylene)cyclohexa-1,4-diene-sulphonic acid; Benzene-sulfonic acid, 2-amino-5-((4-amino-3-sulfophenyl)(4-imino-3-sulfo-2,5-cyclohexa-dien-1-ylidene)methyl)-3-methyl-, disodium salt C.I. Acid Violet 19; EINECS 221-816-5; Fuchsin acid; Fuchsin(E) acid; Fuchsine acid; p-Fuchsine acid; Kiton magenta A; NSC 13979; NSC 56444; Rubine S; Andrade indicator. Used as a pH indicator and a biological stain. Crystals; slightly soluble in H_2O (14.3 g/100 ml), EtOH; λ_m = 540-545 nm (10 mg/l 0.1N HCl).

42 Acid Yellow 23

1934-21-0 9160 G H P



$C_{16}H_9N_4Na_3O_9S_2$

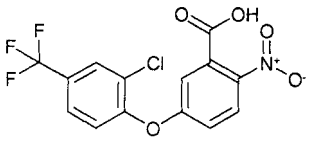
Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulpho-phenylazo)pyrazole-3-carboxylate.

1310 Yellow; 1409 Yellow; A.F. Yellow No. 4; Acid Leather Yellow T; Acid Yellow 23; Acid Yellow 23; Acid Yellow T; Acilan Yellow GG; Airedale Yellow T; Aizen tartrazine; Amacid Yellow T; Atul Tartrazine; Bucacid tartrazine; C.I. 640; C.I. 19140; C.I. Acid Yellow 23; C.I. Acid Yellow 23, trisodium salt; C.I. Food Yellow 4; Calcocid Yellow; Calcocid Yellow MCG; Calcocid Yellow XX; Canacert tartrazine; CCRIS 2656; Certicol Tartrazol Yellow S; CI 19140; Cilefa Yellow T; Curon Fast Yellow 5G; D and C Yellow No. 5; Dolkwal tartrazine; Dye FD and C Yellow No. 5; Dye Yellow Lake; E 102; Edicol Supra Tartrazine N; Egg Yellow A; EINECS 217-699-5; Erio Tartrazine; Eurocert tartrazine; FD & C Yellow No. 5; FD & C Yellow No. 5 tartrazine; Fenazo Yellow T; Food Yellow 4; Food Yellow 5; HD tartrazine; HD Tartrazine Supra; Hexacert Yellow No. 5; Hexacol tartrazine; Hidazid tartrazine; Hispacid Fast Yellow T; Hydrazine

Yellow; Hydroxine Yellow L; Kako tartrazine; Kayaku Food Colour Yellow No. 4; Kayaku tartrazine; Kca Foodcol Tartrazine PF; Kca Tartrazine PF; Kiton Yellow T; L-Gelb 2; L Yellow Z 1020; Lake Yellow; Lemon Yellow A; Lemon Yellow A Geigy; M-8847; Maple Tartrazol Yellow; Mitsui tartrazine; Naphtocard Yellow O; Nekiacid Yellow T; NSC 4760; Oxanal Yellow T; San-ei Tartrazine; Schultz No. 737; Sugai tartrazine; Tartar Yellow; Tartar Yellow FS; Tartar Yellow N; Tartar Yellow PF; Tartar Yellow S; Tartran Yellow; Tartraphenine; Tartrazine; Tartrazine A Export; Tartrazine B; Tartrazine B.P.C.; Tartrazine C; Tartrazine C Extra; Tartrazine Extra Pure A; Tartrazine FD&C Yellow 5; Tartrazine FQ; Tartrazine G; Tartrazine Lake; Tartrazine Lake Yellow N; Tartrazine M; Tartrazine MCGL; Tartrazine N; Tartrazine NS; Tartrazine O; Tartrazine T; Tartrazine XX; Tartrazine XXX; Tartrazine Yellow; Tartrazine Yellow 5; Tartrazol BPC; Tartrazol Yellow; Tartrine Yellow O; Unitertracid Yellow TE; Usacert Yellow No. 5; Vondacid tartrazine; Wool Yellow; Xylene Fast Yellow GT; Y-4; Yellow Lake 69; Yellow No. 5 FDC; Zlut kysela 23; Zlut pigment 100; Zlut potravinarska 4. A dyestuff used to dye silk and wool. Bright orange powder; mp > 300°; freely soluble in H_2O. *Aquarium Pharmaceuticals Inc.; Aquashade; Becker Underwood, Inc.*

43 **Acifluorfen**

50594-66-6 111 G P



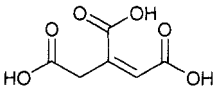
$C_{14}H_7ClF_3NO_5$

5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid.

Acifluorfen; Acifluorfene; Benzoic acid, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-; BRN 2953865; CCRIS 3491; EINECS 256-634-5; Tackle. Herbicide. Brown solid; mp = 142 - 160°; soluble in H_2O (0.00025 g/100 ml), MeOH (4 g/100 ml), C_6H_{14} (0.3 g/100 ml), C_7H_8 (33.5 g/100 ml); LD_{50} (rat, mus orl) > 5000 mg/kg, (rat der) > 5000 mg/kg, (Japanese quail, canary orl) > 15000 mg/kg, (bee orl) > 0.1 mg/bee; LC_{50} (rainbow trout 96 hr.) = 1.0 - 2.3 mg/l, (carp 96 hr.) = 3.3 mg/l; non-toxic to bees. *BASF Corp.; Rhône-Poulenc.*

44 **Aconitic acid**

499-12-7 119 G



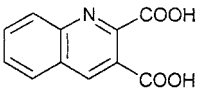
$C_6H_6O_6$

Citridic acid.

Achilleaic acid; Achilleic acid; Aconitic acid; AI3-14615; 3-Carboxy-2-pentenedioic acid; 3-Carboxy-glutaconic acid; CCRIS 2507; Citridic acid; Citridinic acid; EINECS 207-877-0; Equisetic acid; FEMA No. 2010; Glutaconic acid, 3-carboxy-; HSDB 635; NSC 7616; Propene-1,2,3-tricarboxylic acid; 1-Propene-1,2,3-tricarboxylic acid; 1,2,3-Propenetricarboxylic acid; 2-Pentenedioic acid, 3-carboxy-; Pyrocitric acid. A plasticizer for buna rubber. Leaflets or plates; dec 198°, 204°, 209°, soluble in H_2O (18.2 g/100 ml, 13°, 50 g/100 ml, 25°), in 88% EtOH (50 g/100 ml), slightly soluble in Et_2O.

45 **Acridinic acid**

643-38-9 H



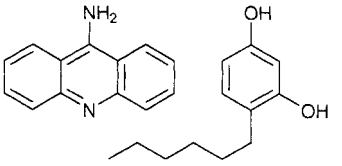
$C_{11}H_7NO_4$

2,3-Quinolinedicarboxylic acid.

Acridinic acid; NSC 26342; 2,3-Quinolinedicarboxylic acid.

46 **Acrisorcin**

7527-91-5 128 D G



$C_{25}H_{28}N_2O_2$

4-Hexyl-1,3-benzenediol compd with 9-acridin-amine(1:1).

Acrisorcin; Acrisorcina; Acrisorcinum; Akrinol; 9-Aminoacridine compd. with 4-hexylresorcinol (1:1); 1,3-Benzenediol, 4-hexyl-, compd. with 9-acridinamine (1:1); Bis(9-aminoacridinium) 4-hexyl-1,3-resorcindiolat; Bis(9-aminoacridinium)salz des hexylresorcine; EINECS 231-389-7; 4-Hexylresorcinol compound with 9-aminoacridine (1:1); Sch 7056. Used medicinally as an antifungal agent. Yellow crystals.

47 **Acrolein**

107-02-8 130 H P

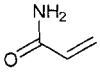
C_3H_4O

Prop-2-enal.

Acquinite; Acraldehyde; Acrolein; trans-Acrolein; Acrolein, inhibited; Acroleina; Acroleine; Acrylaldehyd; Acrylaldehyde; Acrylic aldehyde; AI3-24160; Akrolein; Akroleina; Aldehyde acrylique; Aldeide acrilica; Allyl aldehyde; Aqualin; Aqualine; Biocide; Caswell No. 009; CCRIS 3278; Crolean; EPA Pesticide Chemical Code 000701; Ethylene aldehyde; HSDB 177; Magnacide; Magnacide H; Magnacide H and B; NSC 8819; Papite; Propenal; 2-Propenal; Prop-2-enal; Prop-2-en-1-al; Propenaldehyde; 2-Propen-1-one; Propylene aldehyde; RCRA waste number P003; Slimicide; UN1092. Aquatic herbicide and slimicide. Registered by EPA as an antimicrobial, herbicide and fungicide. Pungent liquid; mp = -88°; bp ■ 52.5°; bp_{200} = 17.5°, bp_{100} = 2.5°; soluble in H_2O (40 g/100 ml), EtOH, Et_2O; d^0 = 0.8621, d^{20} = 0.8389; sg^{4-20} = 0.841; LD_{50} (rat orl) = 29 mg/kg, (mmus orl) = 13.9 mg/kg, (fmus orl) = 17.7 mg/kg, (rbt orl) = 7.1 mg/kg, (rbt der) ■ 231 mg/kg, (bobwhite quail orl) = 19 mg/kg, (mallard duck orl) = 9.1 mg/kg; LC_{50} (rainbow trout 24 hr.) = 0.15 mg/l, (bluegill sunfish 24 hr.) = 0.079 mg/lg, (shiner 24 hr.) = 0.04 mg/l, (mosquito fish 24 hr.) = 0.39 mg/l, (shrimp 48 hr.) = 0.10 mg/l, (oyster 48 hr.) = 0.46 mg/l. *Baker Petrolite Corp.; Generic.*

48 **Acrylamide**

79-06-1 131 G H



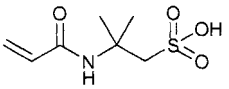
C_3H_5NO

2-Propenamide.

4-02-00-01471 (Beilstein Handbook Reference); AAM; Acrylagel; Acrylamide; Acrylic acid amide; Acrylic amide; AI3-04119; Akrylamid; Amid kyseliny akrylove; Amresco Acryl-40; BRN 0605349; CCRIS 7; EINECS 201-173-7; Ethylenecarboxamide; HSDB 191; NSC 7785; Optimum; Propenamide; Propeneamide; Propenoic acid amide; RCRA waste number U007; UN2074; Vinyl amide. Monomer and chemical intermediate. Used to produce polyacrylamide resins. Crystalline solid; mp = 84.5°; bp = 192.6°, bp_{72} = 103°; Soluble in H_2O 215.5 g/100 ml), MeOH (155 g/100 ml); EtOH (86.2 g/100 ml), Me_2CO (63.1g/100 ml), EtOAc (12.6 g/100 ml), $CHCl_3$ (2.66 g/100 ml), C_6H_6 (0.35 g/100 ml); LD_{50} (mus ip) = 170 mg/kg; highly toxic and irritant, causes CNS paralysis. *Am. Cyanamid; Cyanamid of Great Britain Ltd.*

49 2-Acrylamido-2-methylpropanesulfonic acid

15214-89-8 H



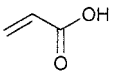
$C_7H_{13}NO_4S$

1-Propanesulfonic acid, 2-acrylamido-2-methyl-.

2-Acrylamido-2-methylpropanesulfonic acid; 2-Acryl-amido-2-methylpropanesulphonic acid; EINECS 239-268-0; 1-Propanesulfonic acid, 2-methyl-2-((1-oxo-2-propenyl)amino)-; 1-Propanesulfonic acid, 2-acrylamido-2-methyl-.

50 Acrylic acid

79-10-7 132 G H



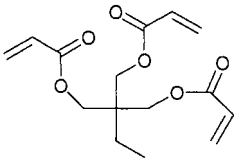
$C_3H_4O_2$

2-Propenoic acid.

4-02-00-01455 (Beilstein Handbook Reference); Acide acrylique; Acido acrilio; Acroleic acid; Acrylic acid; AI3-15717; BRN 0635743; Caswell No. 009A; CCRIS 737; EINECS 201-177-9; Ethylenecarboxylic acid; Glacial acrylic acid; HSDB 1421; Kyselina akrylova; NSC 4765; Propene acid; Propenoic acid; RCRA waste number U008; UN2218; Vinylformic acid. Corrosive liquid used in the manufacture of plastics. Monomer for polyacrylic and polymethacrylic acids, other acrylic acids, acrylic polymers. Used in manufacture of acrylic fiber; In plastics, surface coatings and adhesives industry. mp = 12.3°; bp = 141°; d^{20} = 1.0511; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 2.59 g/kg. *BASF Corp.; Degussa-Hüls Corp.; Hoechst Celanese; Penta Mfg.; Rohm & Haas Co.; Union Carbide Corp.*

51 Acrylic acid, 1,1,1-(trihydroxy--methyl)propane triester

15625-89-5 G H



$C_{15}H_{20}O_6$

2-Ethyl-2-(hydroxymethyl)-1,3-propanediol triacrylate.

Acrylic acid, 1,1,1-(trihydroxymethyl)propane triester; Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol; Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol; Ageflex TMPTA; CCRIS 92; EINECS 239-701-3; 2-Ethyl-2-(((1-oxoallyl)oxy)-methyl)-1,3-propanediyl diacrylate; 2-Ethyl-2-(hydroxy-methyl)-1,3-propanediol triacrylate; M 309; MFM; NK Ester A TMPT; Ogumont T 200; 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, triacrylate; 2-Propenoic acid, 2-ethyl-2-(((1-oxo-2-propenyl)oxy)-methyl)-1,3-propanediyl ester; Saret 351; Sartomer SR-351; Setalux UV 2241; SR 351; TMPTA; Tri-methylolpropane triacrylate; Viscoat 295. With 100-150 ppm hydroquinone inhibitor; high boiling monomeric ester polymerized by common free radical initiators; curing agent. Crosslinker; UV-cured adhesives, wood fillers, inks, coatings, dry film photo polymer resists, flexographic, offset and screen printing inks, vinyl acrylic latex paint, exterior coatings, highly crosslinked polybutadiene rubber. Liquid; bp > 200°; d^{20} = 1.108; LD_{50} (rat ori) = 5190 mg/kg. *Rit-Chem; Sartomer.*

52 Acrylonitrile

107-13-1 133 G H

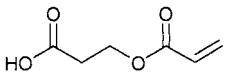
C_3H_3N

2-Propenenitrile.

4-02-00-01473 (Beilstein Handbook Reference); Acritet; Acrylnitril; Acrylon; Acrylonitrile; AI3-00054; Akrylonitril; Akrylonitryl; BRN 0605310; Carbacryl; Caswell No. 010; CCRIS 8; Cianuro di vinile; Cyanoethylene; Cyanure de vinyle; EINECS 203-466-5; ENT 54; EPA Pesticide Chemical Code 000601; Fumigrain; HSDB 176; Miller's fumigrain; NCI-C50215; Nitrile acrilico; Nitrile acrylique; NSC 6362; Propenenitrile; 2-Propenenitrile; RCRA waste number U009; TL 314; UN 1093; VCN; Ventox; Vinyl cyanide; Vinylkyanid. Monomer for acrylic and modacrylid fibers; in production of ABS and acrylonitrile styrene copolymers. Liquid; mp = -83.5°; bp = 77.3°; d^{20} = 0.8060; λ_m = 206 nm (ε = 6166, MeOH); very soluble in Me_2CO, C_6H_6, Et_2O, EtOH; LD_{50} (rat orl) = 78 mg/kg. *Am. Cyanamid; Asahi Chem. Industry; BP Chem.; DSM Spec. Prods.; DuPont; Mitsui Toatsu; Sigma-Aldrich Fine Chem.*

53 β-(Acryloyloxy)propionic acid

24615-84-7 H



$C_6H_8O_4$

2-Carboxyethyl acrylate.

β-(Acryloyloxy)propionic acid; 3-Acryloyloxypropionic acid; 2-Carboxyethyl acrylate; β-Carboxyethyl acrylate; 2-Carboxyethyl 2-propenoate; EINECS 246-359-9; Hydracrylic acid, acrylate; 2-Propenoic acid, 2-carboxyethyl ester; Sipomer B-CEA.

54 Acticarbone

64365-11-3 G

C

Carbon, activated.

Carbon black; Carbon decolorizing. Powdered and granulated activated carbon; used for purification, decolorization, deodorization, separation and recovery in liquid or gas phase, in the chemical, petrochemical, pharmaceutical and food industries (glucose factories, sugar refiners, oil refining, wine treatment); for the treatment of drinking and industrial water, etc. Catalyst supports. *Elf Atochem N. Am.*

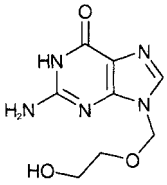
55 Activated charcoal

16291-96-6 H

C

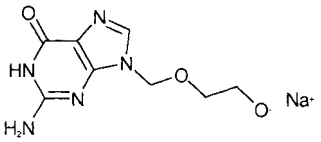
Charcoal.
Charcoal; Charcoal, activated; Charcoal briquettes, shell, screenings, wood, etc.; Charcoal, except activated; EINECS 240-383-3; HSDB 2017; NA1361; Swine fly ash; Whetlerite.

56 **Acyclovir**
59277-89-3 147 D



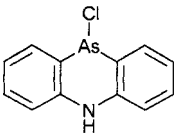
$C_8H_{11}N_5O_3$
2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one.
Aciclovir; Aciclovirum; Aciclovirum; Acycloguanosine; Acyclovir; 2-Amino-1,9-dihydro-9-((2-hydroxyethoxy)-methyl)-6H-purin-6-one; BW-248U; CCRIS 1953; DRG-0008; EINECS 261-685-1; HSDB 6511; 9-((2-Hydroxy-ethoxy)methyl)guanine; 6H-Purin-6-one, 2-amino-1,9-dihydro-9-((2-hydroxyethoxy)methyl)-; Vipral; Virorax; W-248-U; Wellcome-248U; Zovirax.; Laurocapram; Poviral; Virorax; Zovirax; Vipral; Aciclovir; Acyclo-V; Zyclir. Antiviral agent used in treatment of herpes virus. A nucleoside analog that is preferentially taken up by infected cells and then inhibits viral DNA synthesis by interfering with transcription. mp = 256.5-257°; LD_{50} (mus orl) >10,000 mg/kg. *Glaxo Wellcome Inc.*

57 **Acyclovir Sodium**
69657-51-8 D



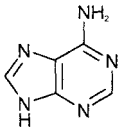
$C_8H_{10}N_5NaO_3$
2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one monosodium salt.
Aciclovir natrium; Acyclovir sodium; Acycloguanosine sodium (Obs.); Acyclovir sodium salt; 2-Amino-1,9-dihydro-9-((2-hydroxyethoxy)methyl)-6H-purin-6-one monosodium salt; BW 248U sodium; 9-((2-Hydroxyethoxy)methyl)guanine monosodium salt; Sodium acyclovir; Zovirax; Zovirax Sterile Powder. Antiviral agent. *Glaxo Wellcome Inc.*

58 **Adamsite**
578-94-9 7292 G



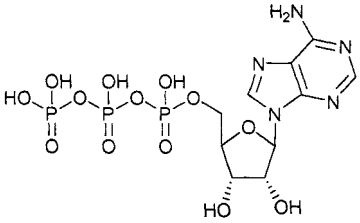
$C_{12}H_9AsClN$
10-Chloro-5,10-dihydrophenarsazine.
4-27-00-09796 (Beilstein Handbook Reference); 5-Aza-10-arsenaanthracene chloride; Adamsit; Adamsite; BRN 0178698; Caswell No. 648; 10-Chloro-5,10-dihydro-arsacridine; 10-Chloro-5,10-dihydrophenars-azine; Chlorodiphenylaminearsine; Diphenylamine chloroarsine; Diphenylaminechloroarsine; DM; EINECS 209-433-1; EPA Pesticide Chemical Code 063901; Fenarsazinchlorid; NSC 86138; Phenarsazine, 10-chloro-5,10-dihydro-; Phenarsazine, 10-chloro-; Phenarsazine chloride; UN1698. A poison gas, war gas; also used in the formulation of wood-treating solutions against marine borers and similar pests. Crystals; mp = 195°; bp = 410°; insoluble in H_2O, slightly soluble in organic solvents; highly toxic.

59 **Adenine**
73-24-5 152 G



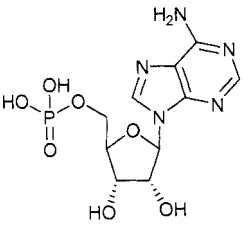
$C_5H_5N_5$
1H-purin-6-amine.
ADE; Adenin; Adenine; Adeninimine; AI3-50679; 6-Aminopurine; 6-Amino-1H-purine; 6-Amino-3H-purine; 6-Amino-7H-purine; 6-Amino-9H-purine; CCRIS 2556; 1,6-Dihydro-6-iminopurine; 3,6-Dihydro-6-iminopurine; EINECS 200-796-1; Leuco-4; NSC 14666; Purine, 6-amino-; 1H-Purin-6-amine; 1H-Purine, 6-amino; 9H-Purine, 1,6-dihydro-6-imino-; USAF CB-18; Vitamin B_4. Used in medical and biochemical research. Crystals; mp = 360-365° (dec); λ_m = 207, 260.5 nm (ε 23200, 13400 pH 7.0); soluble in H_2O (0.05 g/100 ml), less soluble in organic solvents; LD_{50} (rat orl) = 745 mg/kg. *Lonzagroup; Penta Mfg.; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

60 **Adenosine triphosphate**
56-65-5 156 G



$C_{10}H_{16}N_5O_{13}P_3$
9-β-D-Arabinofuranosyladenine 5'-triphosphate.
Adenosine, 5'-(tetrahydrogen triphosphate); Adenosine 5'-triphosphate; Adenosine 5'-triphosphoric acid; Adenosine triphosphate; Adenosintriphosphorsaeure; Adenosintriphosphorsäure; Adenylpyrophosphoric acid; Adephos; Adetol; Ado-5'-P-P-P; Adynol; Ara-ATP; Atipi; ATP; 5'-Atp; ATP (nucleotide); Atriphos; EINECS 200-283-2; Glucobasin; Myotriphos; Striadine; Striadyne; Triadenyl; Triadenyl; Triphosaden; Triphosphaden; Triphosphoric acid adenosine ester. Organic compound used in biochemical research. Used to inhibit enzymatic browning of raw edible plant materials, such as sliced potatoes and apples. White powder; $[\alpha]_D^{22}$ = -26.7° (c = 3.095); λ_m = 259 nm (a_M = 15400); soluble in H_2O; pH of 1% aq. solution = 2. *Asahi Chem. Industry; Asahi Denka Kogyo; Greeff R.W. & Co.; Penta Mfg.*

61 **5'-Adenylic acid**
61-19-8 159 G



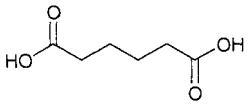
$C_{10}H_{14}N_5O_7P$

Adenosine-5'-monophosphate.

4-26-00-03615 (Beilstein Handbook Reference); 5'-AMP; A-5MP; A5MP; Adeno; Adenosine 5'-(dihydrogen phosphate); Adenosine-5'-phosphoric acid; Adenosine-5-monophosphoric acid; Adenosine 5'-monophosphate; Adenosine 5'-phosphate; Adenosine, mono(dihydrogen phosphate) (ester); Adenosine monophosphate; Adenosine phosphate; Adenosini phosphas; Adenovite; Adenylic acid; AMP; AMP (nucleotide); BRN 0054612; Cardiomone; EINECS 200-500-0; Ergadenylic acid; Fosfato de adenosina; HSDB 3281; Lycedan; Monophosph-adenine; Muscle adenylic acid; Muskel-adenosin-phosphorsaeure; Muskeladenosin-phosphor-säure; Muskeladenylsaeure; Muskeladenylsäure; My-B-Den; Myoston; NSC-20264; Phosaden; Phosphaden; Phos-phate d'adenosine; Phosphentaside; Vitamin B_8. Nutrient. Used in biochemical research. White solid; mp = 200° (dec); $[\alpha]_D^{20}$ = -47.5° (c = 2 2% NaOH); soluble in H_2O. *U.S. BioChem.*

62 Adipic acid

124-04-9 163 G



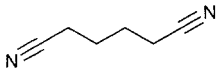
$C_6H_{10}O_4$

Dicarboxylic acid C_6.

4-02-00-01956 (Beilstein Handbook Reference); Acide adipique; Aciflocin; Acinetten; Adilactetten; Adipate; Adipic acid; Adipinic acid; Adipinsäure; AI3-03700; BRN 1209788; 1,4-Butanedicarboxylic acid; CCRIS 812; EINECS 204-673-3; FEMA Number 2011; Hexanedioic acid; 1,6-Hexanedioic acid; HSDB 188; Kyselina adipova; NSC 7622; Adi-pure®. Used in manufacture of polyurethane foams and nylon; preparation of esters for use as plasticizers and lubricants; food additive (acidulant) for baking powders; flavoring agent; leavening agent, neutralizer, acidulant, pH control agent for baked goods, beverages. For chemical industry, chemical intermediate; used in adhesives, coatings, nylon 66, PU foams/elastomers/fibers, lubricants, textile treatments, cosmetic emollients; pH buffer; food acidulant. Prisms; mp = 153.2°; bp = 337.5°; d_4^{25} = 1.360; insoluble in AcOH, ligroin; slightly soluble in H_2O, soluble in Et_2O, very soluble in EtOH; LD_{50} (mus orl) = 1900 mg/kg. *Allied Signal; Asahi Chem. Industry; Monsanto Co.; Penta Mfg.; Rhône-Poulenc; UCB SA.*

63 Adiponitrile

111-69-3 H



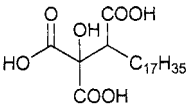
$C_6H_8N_2$

Hexanedioic acid, dinitrile.

4-02-00-01975 (Beilstein Handbook Reference); Adipic acid dinitrile; Adipinsaeuredinitril; Adipodinitrile; Adiponitrile; Adipyldinitrile; AI3-11080; BRN 1740005; CCRIS 4570; 1,4-Dicyanobutane; EINECS 203-896-3; Hexanedinitrile; Hexanedioic acid, dinitrile; HSDB 627; Nitrile adipico; NSC 7617; Tetramethylene cyanide; Tetramethylene dicyanide; UN2205. Liquid; mp = 1°; bp = 295°; d^{20} = 0.9676; slightly soluble in H_2O, Et_2O, soluble in EtOH, $CHCl_3$.

64 Agaricic acid

666-99-9 186 G



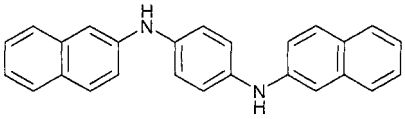
$C_{22}H_{40}O_7$

2-Hydroxynonadecane-1,2,3-tricarboxylic acid.

4-03-00-01284 (Beilstein Handbook Reference); Agaric acid; Agaricic acid; Agaricin; Agaricinic acid; Agaricinsaeure; Agaricinsäure; BRN 1729981; α-Cetylcitric acid; EINECS 211-566-5; Laricic acid; n-Hexadecylcitric acid; (-)-2-Hydroxy-1,2,3-nonadecan-tricarbonsaeure; 2-Hydroxy-1,2,3-nonadecanetricarb-oxylic acid; 2-Hydroxynonadecane-1,2,3-tricarboxylic acid; 1,2,3-Nonadecanetricarboxylic acid, 2-hydroxy-; NSC 60429; NSC 65690. A resin acid, obtained by extraction with alcohol of the fruit bodies of *Polyporus officinalis and Agaricus albus*. Used as a febrifuge and antiperspirant Crystalline cream-colored powder; mp = 142° (dec); $[\alpha]_D^{19}$ = -8.8° (NaOH); insoluble in C_6H_6, $CHCl_3$, slightly soluble in EtOH, Et_2O, soluble in H_2O; odorless, tasteless.

65 Agerite® White

93-46-9 G



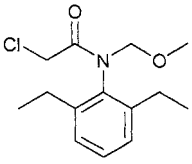
$C_{26}H_{20}N_2$

Sym-di-β-Naphthyl-p-phenylenediamine.

4-13-00-00119 (Beilstein Handbook Reference); Aceto DIPP; Agerite White; AgeRite W; AI3-14324; Antigene F; Antioxidant 123; Antioxidant DNP; ASM-DNT; 1,4-Benzenediamine, N,N'-di-2-naphthalenyl-; N,N'-Bis-(2-naftyl)-p-fenylendiamin; 1,4-Bis(2-naphthylamino)-benzene; N,N'-Bis(β-naphthyl)-p-phenylenediamine; N,N'-Bis(2-naphthyl)-p-phenylenediamine; BRN 2224419; CCRIS 6026; Di-β-naphthyl-p-phenyldi-amine; Di-β-naphthyl-p-phenylenediamine; s-Di(β-naphthyl)-p-phenylenediamine; N,N'-Di-β-naphthyl-p-phenylene-diamine; N,N'-Di-2-naphthalenyl-1,4-benz-enediamine; N,N'-Di-2-naphthyl-p-phenylenediamine; Diafen NN; DNPD; Dnpda; Dwu-β-naftylo-p-fenylodwuamina; EINECS 202-249-2; Nonox CL; NSC 3410; p-Phenylenediamine, N,N'-(di-2-naphthyl)-; N,N'-p-Phenylenebis(2-naphthylamine); Santowhite CL; Tisperse MB-2X. Antioxidant. An antidegradant for latex, nitrile rubber, styrene-butadiene and nitrile-butadiene rubber. Solid; mp = 224-230°; d ■ 1.22-1.28; insoluble in H_2O, EtOH, soluble in organic solvents; LD_{50} (rat orl) = 4500 mg/kg. *Vanderbilt R.T. Co. Inc.*

66 Alachlor

15972-60-8 201 G P



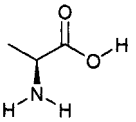
$C_{14}H_{20}ClNO_2$

N-(Methoxymethyl)-2,6-diethylchloroacetanilide.

AI3-51506; Ala-Scept; Alachlor; Alachlor technical; Alachlor technical (90% or more); Alachlore; Alamex; Alanex; Alanox; Alatox 480; Alazine; Alochlor; BRN 2944476; Bullet; Cannon; Caswell No. 011; CCRIS 3155; CDMA; Chimiclor; Chloressigsäure-N-(methoxymethyl)-2,6-diäthylaniilid; α-Chloro-2',6'-diethyl-N-methoxymethylacetanilide; 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide; 2-chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide; CP 50144; Crop; EPA Pesticide Chemical Code 090501; Freedom; HSDB 1014; Lariat; Lasagrin; Lasso; Lasso EC; Lasso II; Lasso Micro Tech; Lazo; Metachlor; Methachlor; Methoxymethyl-2',6'-diethylanilide chloroacetate; Microtech; Micro-Tech Lasso; Nudor; Partner; Pillarzo; Star. Registered by EPA as a herbicide. Crystals; mp = 40 - 41°; $bp_{0.02}$ = 100°, $bp_{0.3}$ - 135°; $d^{25}_{15.6}$ = 1.133; soluble in H_2O (0.0242 g/100 ml), Et_2O, Me_2CO, C_6H_6, EtOH, EtOAc; LD_{50} (rat orl) = 930 - 1200 mg/kg, (rbt der) = 13300 mg/kg; LC_{50} (mrat ihl 6 hr.) > 23.4 mg/l air, (mallard duck, bobwhite quail 8 day dietary) > 5000 mg/kg diet, (rainbow trout 96 hr.) = 1.8 mg/l, (bluegill sunfish 96 hr.) = 2.8 mg/l; non-toxic to bees. *Cedar Chemical Corp.; Micro Flo Co. LLC; Monsanto Co.*

67 Alanine

56-41-7 203 G



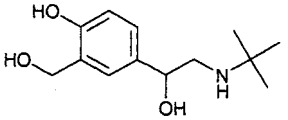
$C_3H_7NO_2$

2-Aminopropionic acid.

Alanina; Alanine; Alanine, L-; (L)-Alanine; L-(+)-Alanine; (S)-Alanine; Alaninum; L-2-Aminopropanoic acid; (S)-α-Aminopropionsäure; (S)-α-Aminopropion-saeure; (S)-2-Aminopropanoic acid; (S)-2-Amino-propionsäure; (S)-2-Aminopropionsaeure; α-Amino-propionic acid; 2-Aminopropanoic acid, L-; 2-Aminopropionic acid; EINECS 200-273-8; HSDB 1801; NSC 206315; Propanoic acid, 2-amino-, (S)-. The natural L-isomer is used in microbiological research, biochemical research and as a dietary supplement. mp = 314-317° (dec); $[\alpha]_D$ = 14° (c = 6 1N HCl); d = 1.401; soluble in H_2O (15.8 g/100 ml), cold 80% ethanol; insoluble in ether. *Penta Mfg.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

68 Albuterol

18559-94-9 215 D



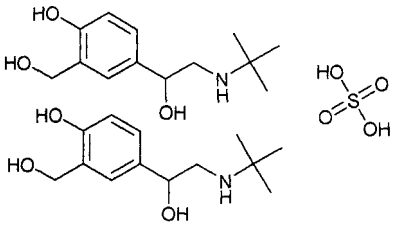
$C_{13}H_{21}NO_3$

2-(tert-Butylamino)-1-(4-hydroxy-3-hydroxymethyl-phenyl)ethanol.

Aerolin; AH 3365; Albuterol; dl-Albuterol; Almotex; Alti-Salbutamol; Anebron; Arubendol-Salbutamol; Asmadil; Asmanil; Asmasal; Asmatol; Asmaven; Asmidon; Asmol; Asmol Uni-Dose; Asthalin; BRN 2213614; Broncho-Spray; Broncovaleas; Bronter; Bugonol; Bumol; Butamol; Buto-Asma; Butohaler; Butotal; Butovent; DL-N-tert-Butyl-2-(4-hydroxy-3-hydroxymethylphenyl)-2-hydroxyethylamine; Buvent-ol; Cobutolin; Dilatamol; EINECS 242-424-0; Farcolin; Gerivent; Grafalin; Libretin; Medolin; Mozal; Novosalmol; Parasma; Pneumolat; Proventil HFA; Proventil Inhaler; Respax; Respolin; Sabutal; Salamol; Salbetol; Salbron; Salbu-BASF; Salbu-Fatol; Salbuhexal; Salbulin; Salbupur; Salbusian; Salbutalan; Salbutamol; dl-Salbutamol; Salbutamolum; Salbutan; Salbutol; Salbuven; Salbuvent; Salibupp; Salmaplon; Salomol; Salvent; Saventol; Servitamol; Spreor; Sultanol; Sultanol N; Suprasma; Suxar; Theosal; Tobybron; Vencronyl; Ventamol; Ventilan; Ventiloboi; Ventolin; Ventolin Inhaler; Ventolin Rotacaps; Ventoline; Volmax; m-Xylene-α,α'-diol, α'-[(tert-butylamino)methyl]-4-hydroxy-; Zaperin. Bronchodilator; tocolytic. Crystals; mp = 151°, 157-158°; soluble in most organic solvents. *Allen & Hanbury; Apothecon; Glaxo Wellcome Inc.; Key Pharm.*

69 Albuterol sulfate

51022-70-9 215 D



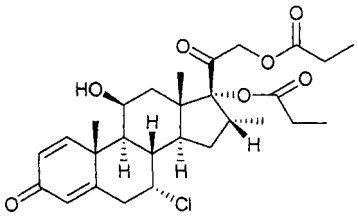
$C_{26}H_{44}N_2O_{10}S$

2-(tert-Butylamino)-1-(4-hydroxy-3-hydroxymethyl-phenyl)ethanol sulfate (2:1).

AccuNeb; Aerotec; Albuterol sulfate; Aloprol; Amocasin; Arm-A-Med; Bis((tert-butyl)(β,3,4-trihydroxyphenethyl)-ammonium) sulphate; Broncho Inhalat; Bronchospray; Broncodil; Combivent; Dipulmin; EINECS 256-916-8; Emican; Epaq; Fartolin; Huma-Salmol; Inspiryl; Loftan; NSC 289928; Proventil Repetabs, *Solution*, Syrup, and Tablets; Salbutamol hemisulfate; Salbutamol sulfate; (±)-Salbutamol sulfate; dl-Salbutamol sulfate; Sch 13949W sulfate; Venetlin; Ventolin HFA. Bronchodilator; tocolytic. White crystals; soluble in H_2O, slightly soluble in EtOH. *Allen & Hanbury; Apothecon; Glaxo Labs.; Key Pharm.; Lemmon Co.; Schering AG.*

70 Aclometasone dipropionate

66734-13-2 219 D G



$C_{28}H_{37}ClO_7$

7α-Chloro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione 17,21-dipropionate.

Aclovate; Aclometasone 17, 21-dipropionate; Aclo-metasone dipropionate; BRN 2317658; CCRIS 1927; Delonal; EINECS 266-464-3; Sch 22219; Vaderm. Anti-inflammatory (topical). Crystals; mp = 212-216°; $[\alpha]_D^{26}$ = +42.6° (c = 3 DMF); λ_m = 242 nm (ε 15600 MeOH). *Glaxo Labs.; Schering-Plough HealthCare Products.*

71 Alcohols, C_9-C_{11}

66455-17-2 H

C_9-C_{11} alcohol.

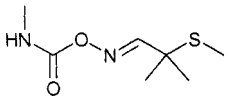
Alcohols, C_9-C_{11}; Alcohols, C9-11; C_9-C_{11} alcohol; Dobanol 91; Dobanol 911; EINECS 266-367-6; Linevol 911; Neodol 91; Neodol 91-8T.

72 **Alcohols, C_{12}-C_{15}**
63393-82-8 H

C_{12}-C_{15} alcohols.

Alcohols, C_{12}-C_{15}; C_{12}-C_{15} alcohol; EINECS 264-118-6.

73 **Aldicarb**
116-06-3 221 H P

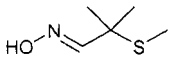


$C_7H_{14}N_2O_2S$

2-Methyl-2-(methylthio)propanal O-[(methylamino)carb-onyl]oxime.

AI3-27093; Aldicarb; Aldicarbe; Carbamyl; Caswell No. 011A; CCRIS 17; EINECS 204-123-2; ENT 27,093; EPA Pesticide Chemical Code 098301; HSDB 1510; Methyl-2-(methylthio)propionaldehyde O-(methylcarb-amoyl)oxime; Methylcarbamic acid, O-((2-methyl-2-(methylthio)propyl-idene)amino) deriv.; NCI-C08640; NSC 379586; OMS-771; RCRA waste number P070; Sulfone aldoxycarb; Temik; Temik 10 G; Temik G; Temik G10; UC-21149; Union carbide 21149. Registered by EPA as an insecticide and acaricide. Crystals; mp = 99-100°; soluble in H_2O (0.6 g/100 ml), Me_2CO (35 g/100 ml), C_6H_6 (15 g/100 ml), xylene (5 g/100 ml), CH_2Cl_2 (30 g/100 ml); LD_{50} (rat orl) = 0.93 mg/kg, (frat orl) = 1 mg/kg, (rbt der) = 5.0 mg/kg, (gpg der) = 2400 mg/kg; LC_{50} (rat ihl 5 min.) < 0.2 mg/l air; (bobwhite quail 7 day dietary) = 2400 mg/kg diet, (rainbow trout 96 hr.) = 0.88 mg/l, (bluegill sunfish 96 hr.) = 1.5 mg/l; toxic to bees. *Agriliance LLC; Aventis Crop Science; Rhône-Poulenc.*

74 **Aldicarb oxime**
1646-75-9 H

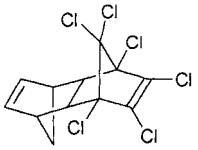


$C_5H_{11}NOS$

2-(Methylthio)-2-methylpropionaldehyde oxime.

Aldicarb oxime; CCRIS 660; EINECS 216-709-5; HSDB 5848; 2-(Methylthio)isobutyraldehyde oxime; 2-(Methylthio)-2-methylpropionaldehyde oxime; 2-Methyl-2-(methylthio)propionaldehyde oxime; 2-Methyl-2-(methylthio)propanal oxime; 2-Methyl-2-(methylthio)-propionaldoxime; Propanal, 2-methyl-2-(methylthio)-, oxime; Propionaldehyde, 2-methyl-2-(methylthio)-, oxime; Temik oxime.

75 **Aldrin**
309-00-2 225 G P

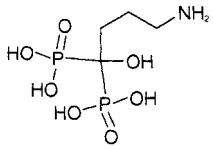


$C_{12}H_8Cl_6$

1,2,3,4,10,10-Hexachloro-1α,4α,4aβ,5α,8α,8aβ-hexa-hydro-1,4:5,8-dimethanonaphthalene.

AI3-15949; Aldocit; Aldrex; Aldrex 30; Aldrex 30 E.C.; Aldrex 40; Aldrin; Aldrine; Aldrite; Aldron; Aldrosol; Algran; Altox; Caswell No. 012; CCRIS 18; Compound 118; 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo-; (1R,4S,4aS,5S,8R,8aR)-1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene; (1α,4α,4aβ,5α,8α,8aβ)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene; EINE-CS 206-215-8; ENT 15,949; EPA Pesticide Chemical Code 045101; Hexachlorohexahydro-endo-exo-di-methanonaphthalene; HHDN; HSDB 199; Kortofin; Latka 118; NA2761; NA2762; NCI-C00044; NSC 8937; Octalene; RCRA waste number P004; SD 2794; Seedrin; Soilgrin; Tatuzinho; Tipula. Non-systemic insecticide with contact, stomach and respiratory action. Used for control of soil-dwelling insects, termites and ants and also as a wood preservative. Manufacture and use in the US discontinued. Designated as a Persistent Organic Pollutant (POP) under the Stockholm convention. White solid; mp = 104-105°; bp_2 = 145°; insoluble in H_2O, moderately soluble in organic solvents; LD_{50} (rat orl) = 38-67 mg/kg.

76 **Alendronic acid**
66376-36-1 227 D

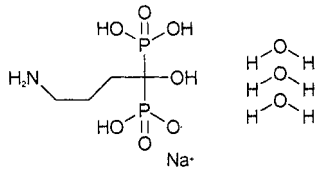


$C_4H_{13}NO_7P_2$

(4-Amino-1-hydroxybutylidene)bisphosphonic acid.

ABDP; Acide alendronique; Acido alendronico; Acidum alendronicum; Alendronate; Alendronic acid; (4-Amino-1-hydroxybutylidene)diphosphonic acid; 4-Amino-1-hydroxybutylidene-1,1-bis(phosphonic acid); 4-Amino-1-hydroxybutylidene-1,1-bisphosphonate; Arendal; MK 217; Phosphonic acid, (4-amino-1-hydroxybutylidene)bis-. Calcium regulator. White solid; mp = 233-235° (dec). *Inst. Gentili S.p.A.; Merck & Co.Inc.*

77 **Alendronic acid trisodium salt**
121268-17-5 227 D

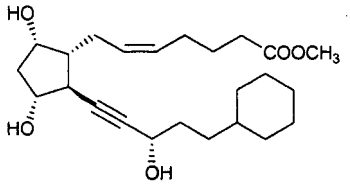


$C_4H_{12}NNaO_7P_2.3H_2O$

Sodium trihydrogen (4-amino-1hydroxybutylidene)-diphosphonate trihydrate.

Adronat; Alendronate sodium; Alendronate sodium hydrate; Alendronic acid monosodium salt trihydrate; Alendros; Aminohydroxybutylidene biphosphonate monosodium salt trihydrate; Dronal; Elandor; Fosalan; Fosamax; G-704,650; MK-217; Monosodium (4-amino-1-hydroxybutylidene)bisphosphonate trihydrate; Onclast; Phosphonic acid, (4-amino-1-hydroxybutylidene)bis-, monosodium salt, trihydrate; Sodium alendronate hydrate; Sodium trihydrogen (4-amino-1-hydroxy-butylidene)diphosphonate, trihydrate. Calcium regulator. *Inst. Gentili S.p.A.; Merck & Co.Inc.*

78 **Alfaprostol**
74176-31-1 232 D G



$C_{24}H_{38}O_5$

[1R-[1α(Z),2β(S*),3α,5α]]-7-[2-(5-Cyclohexyl-3-hyd-roxy-1-pentynyl)-3,5-dihydroxycyclopentyl]-5-hepten-oic acid methyl ester.
Alfavet; Ro-22-9000; K-11941; Alphacept. Prosta-glandin. Used for estrus control in cows. *Farmitalia Carlo Erba Ltd.*

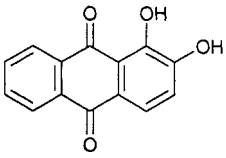
79 **Algin**
9005-38-3 240 D E G

$(C_6H_7O_6)_n$
Sodium alginate.
AI3-19772; Algiline; Algin; Algin (Laminaria spp. and other kelps); Algin (polysaccharide); Alginate KMF; Alginic acid, sodium salt; Algipon L-1168; Amnucol; Antimigrant C 45; Cecalgine TBV; Cohasal-IH; Darid QH; Dariloid QH; Duckalgin; FEMA No. 2014; Halltex; HSDB 1909; Kelco Gel LV; Kelcosol; Kelgin; Kelgin F; Kelgin HV; Kelgin LV; Kelgin XL; Kelgum; Kelset; Kelsize; Keltex; Keltone; L'-Algiline; Lamitex; Manucol; Manucol DM; Manucol KMF; Manucol SS/LD2; Manugel F 331; Manutex; Manutex F; Manutex RS 1; Manutex RS-5; Manutex rS1; Manutex SA/KP; Manutex SH/LH; Meypralgin R/LV; Minus; Mosanon; Nouralgine; OG 1; Pectalgine; Proctin; Protacell 8; Protanal; Protatek; Snow algin H; Snow algin L; Snow algin M; Sodium alginate; Sodium polymannuronate; Stipine; Tagat; Tragaya; Colloid 488T; E401; KELCOSOL®; KELGIN® F; KELGIN® HV; KELGIN® LV; KELGIN® MV; KELGIN® XL; KELSET®; KELTONE®; KELTONE® HV; KELTONE® HVCR; KELTONE® LV; KELTONE® LVCR; KELVIS®; Kimitsu Algin I-3; Kimitsu Algin I-7; Kimitsu Algin IS; MANUCOL DM; MANUCOL DMF; MANUCOL LB; MANUCOL LKX; Manugel®; Pronova™ LVG; Pronova™ LVM; Pronova™ MVG; Pronova™ MVM; Pronova™ P LVG; Pronova™ P MVG; Pronova™ UP MVG; Protanal LF 5/60; Protanal LF 10/40; Protanal LF 10/60; Protanal LF 20/200; Protanal LF 120 M; Protanal LF 200; Protanal LF 200 M; Protanal LF 200 RB; Protanal LF 200 S; Protanal LFR 5/60; Protanal SF; Protanal SF 120; Protanal SF 120 RB; Satialgin-H8®; Sobalg FD 100 Range. Stabilizer in manufacture of ice cream; emulsifying agent in foods and paints. Emulsifier; firming agent; formulation aid; processing aid; surfactant. FDA, FEMA GRAS, Japan, UK approved, Europe listed, FDA approved for orals, USP/NF, BP, Ph. Eur. compliance (oral suspensions and tablets). Used as a suspending agent, gellant, thickening and emulsifying agent, excipient, tablet binder, stabilizer, used in orals, film-former for microencapsulation. Cream colored powder; soluble in H_2O, insoluble in EtOH, Et_2O, $CHCl_3$; dynamic viscosity of 1% aqueous solution = 20-400 mPa. LD_{50} (rat iv) = 1000 mg/kg, (rat orl) > 5000 mg/kg, (rbt iv) = 100 mg/kg, (cat ip) = 250 mg/kg. *Am. Roland; FMC Corp. Pharm. Div.; Kelco Intl.; Multi-Kem; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

80 **Alginic acid**
9005-32-7 239 D E G

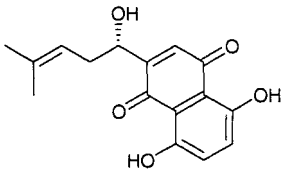
$(C_6H_8O_6)_n$;
Polymannuronic acid.
A 2830-9; Acid Algin G 2; Alginic acid; CCRIS 6769; EINECS 232-680-1; HSDB 2967; Kelacid; Landalgine; Norgine; Polymannuronic acid; Protanal LF; Satialgine-H 8; Sazzio; Snow acid algin G; Verdyol Super. Polysaccharide composed of β-d-mannuronic acid residues; suspending, thickening, emulsifying, and stabilizing agent. Very slightly soluble in H_2O; capable of absorbing 200-300 times *its weight in H_2O; soluble in alkaline solutions. Kelco Intl.; Mendell Edward; Penta Mfg.; Protan.*

81 **Alizarin**
72-48-0 246 G



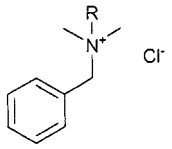
$C_{14}H_8O_4$
1,2-Dihydroxyanthraquinone.
4-08-00-03256 (Beilstein Handbook Reference); AI3-18244; Alizarin; Alizarin B; Alizarin Red; Alizarina; Alizarine; Alizarine 3B; Alizarine B; Alizarine indicator; Alizarine L paste; Alizarine Lake Red 3P; Alizarine Lake Red IPX; Alizarine Lake Red 2P; Alizarine NAC; Alizarine Paste 20 percent Bluish; Alizarine Red; Alizarine Red B; Alizarine Red B2; Alizarine Red IP; Alizarine Red IPP; Alizarine Red L; Alizarinprimeveroside; Alizerine NAC; Alizerine Red IPP; Anthraquinone, 1,2-dihydroxy-; 9,10-Anthracene-dione, 1,2-dihydroxy-; 1,2-Anthraquinonediol; BRN 1914037; C.I. 58000; C.I. 58000C; C.I. Mordant Red 11; C.I. Mordant Red 11C; C.I. Pigment Red 83; C.I. Pigment Red 83C; CCRIS 3530; Certiqual Alizarine; Certiqual Alizarine D; CI 58000; D and C Orange No. 15; D and C Orange Number 15D; D And C Orange Number 15; Deep Crimson Madder 10821; Deep Crimson Madder 10821E; 1,2-Dihydroxy-9,10-anthraquinone; 1,2-Dihydroxy-9,10-anthracenedione; 1,2-Dihydroxy-anthrachinon; 1,2-Dihydroxyanthraquinone; EINECS 200-782-5; Eljon madder; Eljon Madder M; Mitsui Alizarine B; Mitsui Alizarine BS; Mordant Red 11; NSC 7212; Pigment red 83; Sanyo Carmine L2B; Turkey Red; Turkey Red W. Acid wool dye base. Also used as an acid-base indicator (pH 5.5 yellow; pH 6.8 red) and as a spot-test reagent for Al, In, Hg, Zn and Zr. Orange needles; mp = 290°; bp = 430°; λ_m = 248, 435 nm (ε 25119 6310 EtOH); slightly soluble in H_2O (0.058 g/100 ml); more soluble in organic solvents. *Comlets; Fahlberg-List.*

82 **Alkanet**
517-88-4 252 D G



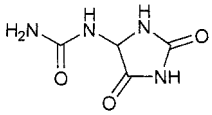
$C_{16}H_{16}O_5$
(S)-5,8-dihydroxy-2-(1-hydroxy-4-methyl-3-pentenyl)-1,4-naphthalenedione.
Alkanet extract; Alkanna red; Alkannin; Anchusa acid; Anchusin; C.I. 75530; C.I. Natural Red 20; (S)-5,8-Dihydroxy-2-(1-hydroxy-4-methylpent-3-enyl)-1,4-naph-thoquinone; EINECS 208-245-7; 1,4-Naphth-alenedione, 5,8-dihydroxy-2-(1-hydroxy-4-methyl-3-pentenyl)-, (S)-; NSC 407295. Terms applied to two different plants, *Lawsonia inermis and Anchusa tintoria*, whose roots are the source of a red dye, anchusine (alkannin), the name is applied to the dye as well as to the plant. Used as an astringent. Solid; mp = 149°; $[\alpha]_D^{20}$= -165° (C_6H_6); poorly soluble in H_2O, more soluble in organic solvents; LD_{50} (mmus orl) = 3000 ≅ 1000 mg/kg, (fmus orl) 3100 ≅ 100 mg/kg, (rat orl) > 1000 mg/kg.

83 **Alkylbenzyldimethylammonium chloride**
8001-54-5 1058 D G P



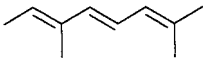
Benzalkonium chloride.
Alkyl dimethyl ethylbenzyl ammonium chloride; Alkyl dimethylbenzyl ammonium chloride; Alkylbenzyl-dimethylammonium chloride; Alkyldimethyl(phenyl-methyl)quaternary ammonium chlorides; Alkyl-dimethyl-benzylammonium chloride; Ammonium, alkyldimethyl-(phenylmethyl)-, chloride; Ammonium, alkyldimethyl-benzyl-, chloride; Ammonyx; Arquad B 100; Arquad dmmcb-75; Barquat MB-50; Barquat MB-80; Bayclean; Benirol; Benzalconio cloruro; Benz-alkonii chloridum; Benzalkonium A; Benzalkonium chloride; Bio-quat 50-24; Bio-quat 50-25; Bio-quat 50-30; Bio-quat 50-40; Bio-quat 50-42; Bio-quat 50-60; Bio-quat 50-65; Bio-quat 80-24; Bio-quat 80-28; Bio-quat 80-40; Bio-quat 80-42; Bionol; BTC 50; BTC 50 USP; BTC 65; BTC 65 USP; BTC 100; BTC 471; BTC 824; BTC 2565; BTC 8248; BTC 8249; BTC E-8358; Capitol; Cequartyl; Chlorure de benzalkonium; Cloruro de benzalconio; Culversan LC 80; Desitin Dabaways; Desitin Skin Care Lotions; Dimanin A; Disinall; Dodigen 226; Drapolene; Drapolex; Drest; E-Pilo Ophthalmic Solution; Enuclen; Enuclene; EPA Pesticide Chemical Code 069105; Epifrin Ophthalmic Solution; Gardiquart SV480; Gardiquat 1450; Genamin KDS; Germ-I-tol; Germicin; Germinol; Germitol; HSDB 234; Hyamine 3500; Intexan LB-50; Kemamine BAC; Leda benzalkonium chloride; Mefarol; Mixture Name; Murine For The Eyes; Muro Tears Ophthalmic Solution; Muro's Opcon A Ophthalmic Solution; Muro's Opcon Ophthalmic Solution; Murocoll-19 Opthalmic Solution; Murocoll-2 Ophthalmic Solution; Neo Germ-I-tol; Onyx BTC (Onyx oil & chem Co); Osvan; Paralkan; Pheneene germicidal solution & tincture; Quaternary ammonium compounds, alkylbenzyldimethyl, chlorides; Quaternium-1; Romergal CB; Sporostacin; Triton K-60; Vikrol RQ; Visalens Soaking/Cleaning Solutions; Visalens Wetting Solution; Visine AC; Zephiral; Zephiran; Zephiran chloride; Benirol; BTC; Capitol; Cequartyl; Drapolene; Drapolex; Enuclen; Germinol; Germitol; Osvan; Paralkan; Roccal; Rodalon; Zephiran Chloride; Zephirol. Alkylammonium chlorides of general formula $[C_6H_5CH_2N(CH_3)_2R]^+Cl^-$; R = C_8H_{17} to $C_{18}H_{37}$. Germicide, algicide, disinfectant, sanitizer, deodorant; used in pesticides and manufacture of sanitizers; food processing, dairy, restaurant, industrial and household products. Amorphous powder, very soluble in H_2O, EtOH, Me_2CO, insoluble in C_6H_6, Et_2O; LD_{50} (rat orl) = 400 mg/kg. *Sherex.*

84 **Allantoin**
97-59-6 254 G



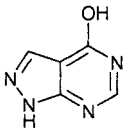
$C_4H_6N_4O_3$
2,5-dioxo-4-imidazolidinyl urea.
5-25-15-00338 (Beilstein Handbook Reference); AI3-15281; Alantan; Allantoin; Allantol; AVC/Dienestrol cream; BRN 0102364; Caswell No. 024; CCRIS 1958; Cordianine; Cutemol emollient; (2,5-Dioxo-4-imidazolidinyl)urea; EINECS 202-592-8; EPA Pesticide Chemical Code 085701; Glyoxyldiureid; Glyoxyl-diureide; Hydantoin, 5-ureido-; NSC 7606; Psoralon; Sebical; Septalan; Uniderm A; Urea, (2,5-dioxo-4-imidazolidinyl)-; 5-Ureido-2,4-imidazolidindion; 5-Ureidohydantoin. A product of animal metabolism, excreted in urine. Used in biochemical research and medicine. Used as a soothing agent and skin protectant; stimulates growth of healthy tissue. Racemic form: monoclinic plates or prisms; mp=239°; soluble in H_2O (0.53 g/100 ml), EtOH (0.2 g/100 ml), almost insoluble in ether; pH of saturated H_2O solution = 5.5. *3V; Alcoa Ind. Chem.; EM Ind. Inc.; Greeff R.W. & Co.; Hommel GmbH; ICI Americas Inc.; Lancaster Synthesis Co.; Penta Mfg.; Sutton Labs.; Tri-K Ind.*

85 **Alloocimene**
673-84-7 H



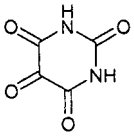
$C_{10}H_{16}$
2,6-Dimethyl-2,4,6-octatriene.
AI3-00737; Alloocimene; 2,6-Dimethyl-2,4,6-octatriene; 2,6-Dimethylocta-2,4,6-triene; EINECS 211-614-5; NSC 406263; Ocimene, allo; 2,4,6-Octatriene, 2,6-dimethyl-.

86 **Allopurinol**
315-30-0 276 D



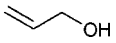
$C_5H_4N_4O$
1H-Pyrazolo[3,4-d]pyrimidin-4-ol.
Adenock; Ailural; AL-100; Allo-Puren; Allopur; Allopurinol; Allopurinol(I); Allopurinolum; Allozym; Allural; Alopurinol; Aloral; Alositol; Aluline; Anoprolin; Anzief; Apulonga; Apurin; Apurol; Atisuril; B. W. 56-158; Bleminol; Bloxanth; BW 56-158; Caplenal; CCRIS 626; Cellidrin; Cosuric; Dabrosin; Dabroson; DRG-0056; Dura Al; EINECS 206-250-9; Embarin; Epidropal; Epuric; Foligan; Geapur; Gichtex; Gotax; Hamarin; Hexanuret; HPP; 4-HPP; HSDB 3004; Ketanrift; Ketobun-A; Ledopur; Lopurin; Lysuron; Milurit; Miniplanor; Monarch; Nektrohan; NSC 101655; NSC-1390; Progout; Remid; Riball; Suspendol; Takanarumin; Urbol; Uricemil; Uriprim; Uripurinol; Urobenyl; Urolit; Urosin; Urtias; Urtias 100; Xanturat; Zyloprim; Zyloric.; Ketobun-A; Ledopur; Lopurin; Lysuron; Miniplanor; Monarch; Nektrohan; Remid; Riball; Sigapurol; Suspendol; Takanarumin; Urbol; Uricemil; Uripurinol; Urobenyl; Urosin; Urtias; Xanturat; Zyloprim; Zyloric. Xanthine oxidase inhibitor. Used to treat gout. Solid; mp > 350°; λ_m = 257 nm (ε 7200 0.1N NaOH), 250 nm (ε 7600 0.1N HCl), 252 nm (ε 7600 MeOH); soluble in H_2O (0.048 g/100 ml), $CHCl_3$ (0.060 g/100 ml), EtOH (0.030 g/100 ml), DMSO (0.46 g/100 ml), n-octanol (< 0.001 g/100 ml). *Glaxo Wellcome Inc.; Knoll Pharm. Co.*

87 **Alloxan**
50-71-5 279 G



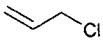
$C_4H_2N_2O_4$
2,4,5,6(1H,3H)-pyrimidinetetrone.
AI3-15282; Alloxan; Alloxan 7169; Alloxane; Barbituric acid, 5-oxo-; EINECS 200-062-0; Mesoxalylcarbamide; Mesoxalylurea; NSC 7169; 2,4,5,6-Pyrimidintetron; 2,4,5,6(1H,3H)-Pyrimidine-tetrone; 2,4,5,6-Tetraoxohexa-hydropyrimidine; Urea, mesoxalyl-. Used in nutrition experiments. Causes diabetes in experimental animals. Crystals; dec 256°; soluble in H_2O. *Wako Pure Chem. Ind.*

88 **Allyl alcohol**
107-18-6 283 G H



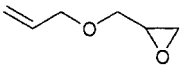
C_3H_6O
2-Propen-1-ol.
Ai3-14312; Alcool allilco; Alcool allylique; Allilowy alkohol; Allyl alcohol; Allylalkohol; Allylic alcohol; Caswell No. 026; CCRIS 747; EINECS 203-469-1; EPA Pesticide Chemical Code 068401; HSDB 192; 3-Hydroxypropene; NSC 6526; 2-Propenol; 2-Propen-1-ol; Propen-1-ol-3; Propenyl alcohol; 2-Propenyl alcohol; RCRA waste number P005; Shell unkrautted A; UN1098; Vinyl carbinol; Weed drench. Intermediate for pharmaceuticals and other organic chemicals, herbicide. Liquid; mp = -129°; bp = 97°; d^{20} = 0.8540; λ_mKs = 273 nm (ε = 4677, H_2SO_4); freely soluble in H_2O, EtOH, Et_2O, soluble in $CHCl_3$; LD_{50} (rat orl) = 64 mg/kg.

89 **Allyl chloride**
107-05-1 286 G H



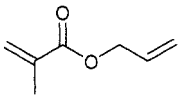
C_3H_5Cl
3-Chloro-1-propene.
4-01-00-00738 (Beilstein Handbook Reference); Allile (cloruro di); Allyl chloride; Allylchlorid; Allyle (chlorure d'); Barchlor; BRN 0635704; CCRIS 19; Chlorallylene; Chloro-2-propene; α-Chloropropylene; 3-Chloro-1-propylene; 3-Chloro-1-propene; 3-Chloropropene; 3-Chlorpropen; EINECS 203-457-6; HSDB 178; NCI-C04615; NSC 20939; Propene, 3-chloro-; 1-Propene, 3-chloro-; 2-Propenyl chloride; UN1100. Used in the synthesis of allyl compounds Liquid; mp = -134.5°; bp = 45.1°; d^{20} = 0.9376; λ_m = 273 nm (ε = 4467); insoluble in H_2O, slightly soluble in CCl_4, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, ligroin; LD_{50} (rat orl) = 460 mg/kg. *Lonza Ltd.; Lonzagroup.*

90 **Allyl glycidyl ether**
106-92-3 G H



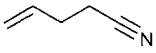
$C_6H_{10}O_2$
1-(Allyloxy)-2,3-epoxypropane.
5-17-03-00012 (Beilstein Handbook Reference); AGE; Ageflex® AGE; AI3-37791; Allil-glicidil-etere; Allyl 2,3-epoxypropyl ether; Allyl glycidyl ether; Allylglycidaether; 1-Allilossi-2,3 epossipropano; 1-(Allyloxy)-2,3-epoxy-propane; 1-Allyloxy-2,3-epoxy-propaan; 1-Allyloxy-2,3-epoxypropan; BRN 0105871; CCRIS 2375; EINECS 203-442-4; 1,2-Epoxy-3-allyloxypropane; 2,3-Epoxypropyl-1-allyl ether; Ether, allyl 2,3-epoxypropyl; Glycidyl allyl ether; HSDB 505; M 560; NCI-C56666; NSC 18596; Oxirane, ((2-propenyloxy)methyl)-; Oxyde d'allyle et de glycidyle; Propane, 1-(allyloxy)-2,3-epoxy-; Sipomer® AGE; UN2219. Modifier for elastomer, epoxies, adhesives, fibers; reactive intermediate for coatings, sizing/finishing agent for fiberglass; silane intermediate in electrical coatings. Glutamate decarboxylase inhibitor. Liquid; mp = -100°; bp = 154°; d_{20}^{20} = 0.9698; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat orl) = 1600 mg/kg. *Rhône Poulenc Surfactants; Rit-Chem.*

91 **Allyl methacrylate**
96-05-9 H



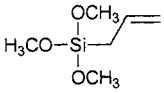
$C_7H_{10}O_2$
2-Propenoic acid, 2-methyl-, 2-propenyl ester.
4-02-00-01529 (Beilstein Handbook Reference); Ageflex AMA; AI3-37827; Allyl methacrylate; Allylester kyseliny methakrylove; BRN 1747406; EINECS 202-473-0; HSDB 5297; Methacrylic acid, allyl ester; NSC 18597; Sipomer® AM. Monomer for coatings, elastomers, adhesives, intermediates; contributes hardness and scratch resisance; crosslinker/hardener. Silane monomer intermediate; crosslinker offering two-stage polymerization, abrasion and solvent resistance; polymer modifier for high impact plastics, adhesives, acrylic elastomers, photoresists, optical polymers. Liquid; mp = -65°; bp = 144°, bp^{50} = 67°, bp^{30} = 55°; d_{20}^{20} = 0.9335; soluble in H_2O (0.4 g/100 ml), organic solvents; LD_{50} (rat orl) = 430 mg/kg. *Monomer-Polymer & Dajac; Polysciences; Rhône Poulenc Surfactants; Rhône-Poulenc; Richman Chem.; Rit-Chem; Rohm & Haas Co.; Sigma-Aldrich Fine Chem.*

92 **Allylacetonitrile**
592-51-8 H



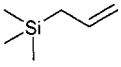
C_5H_7N
1-Cyano-3-butene.
Allylacetonitrile; Allylmethyl cyanide; 3-Butenyl cyanide; 1-Cyano-3-butene; 4-Cyano-1-butene; EINECS 209-762-0; HSDB 5709; 4-Pentenenitrile; 4-Pentenoic acid, nitrile; 4-Pentenonitrile. Liquid; bp = 140°; d^{25} = 0.712.

93 **Allyltrimethoxy silane**
2551-83-9 G



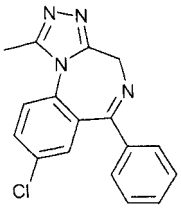
$C_6H_{14}O_3Si$
Trimethoxy-2-propenylsilane.
Allyltrimethoxysilane; CA0567; EINECS 219-855-8; Silane, allyltrimethoxy-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

94 **Allyltrimethylsilane**
762-72-1 G



$C_6H_{14}Si$
Allyltrimethyl silane.
CA0570; CCRIS 2649; EINECS 212-104-5; Silane, trimethyl-2-propenyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 84-88°; d = 0.7190. *Akzo Chemie.*

95 **Alprazolam**
28981-97-7 310 D



$C_{17}H_{13}ClN_4$

8-Chloro-1-methyl-6-phenyl-4H-s-triazolo[4,3-a][1,4]-benzodiazepine.

Alcelam; Algad; Alpaz; Alplax; Alpram; Alprax; Alprazolam; Alprazolamum; Alpronax; Alprox; Alzam; Alzolam; Alzon; Anpress; Apo-Alpraz; Azor; Bestrol; BRN 1223125; Cassadan; Constan; D 65MT; DEA No. 2882; EINECS 249-349-2; Esparon; Frontal; Gen-Alprazolan; Helex; Intensol; Ksalol; Mialin; Neurol; Novo-Alprazol; Nu-Alpraz; Panix; Pharnax; Prazam; Prazolan; Prinox; Ralozam; Relaxol; Restyl; Solanax; Tafil; Tensivan; Trankimazin; Tranquinal; Tricalma; TUS-1; U 31889; Unilan; Valeans; Xanagis; Xanax; Xanax XR; Xanor; Zacetin; Zanapam; Zaxan; Zenax; Zolan; Zolarem; Zoldac; Zoldax; Zotran. Anxiolytic. Sedative/hypnotic. *Pharmacia & Upjohn.*

96 Alumina

1344-28-1 355 G

Al_2O_3

Aluminum oxide.

A 1 (Sorbent); A1-0104 T 3/16"; A1-0109 P; A1-1401 P(MS); A1-1404 T 3/16"; A1-3438 T 1/8"; A1-3916 P; A1-3945 E 1/16"; A1-3970 P; A1-3980 T 5/32"; A1-4028 T 3/16"; A1-4126 E 1/16"; A-2; Abramant; Abramax; Abrarex; Abrasit; Activated aluminum oxide; Adamant; Al3-02904; Alcan AA-100; Alcan C-70; Alcan C-71; Alcan C-72; Alcan C-73; Alcan C-75; Alcoa F 1; Almite; Alon C; Aloxite; Alumina; α-Alumina; γ-Alumina; δ-Alumina; Aluminite 37; Aluminium oxide; Aluminum oxide (Al_2O_3); Aluminum oxide (Brockmann); Aluminum oxide (fibrous forms); Aluminum oxide (ignited); Aluminum sesquioxide; Aluminum trioxide; Alumite (oxide); Alundum; Alundum 600; Bikorit; Brockmann, aluminum oxide; Cab-O-grip; Catapal S; Catapal SB alumina; CCRIS 6605; Compalox; Conopal; Diadur; Dialuminum trioxide; Dispal alumina; Dispal M; Dotment 324; Dotment 358; Dural; EINECS 215-691-6; Eta-alumina; Exolon XW 60; F 360 (Alumina); Faserton; Fasertonerde; Fiber FP; G 0 (Oxide); G 2 (Oxide); GK (Oxide); HSDB 506; Hypalox II; Jubenon R; KA 101; Ketjen B; KHP 2; LA 6; Lucalox; Ludox CL; Martoxin; Microgrit WCA; Neobead C; Poraminar; PS 1 (Alumina); Q-Loid A 30; RC 172DBM; Saffie; T64; T-1061; Versal 150. Used in abrasive industries, super refractories, sandblasting and for safes. Colorant; dispersing agent; used in orals. Polish and abrasive; absorbent, desiccant; filler for paints and varnishes; ceramic materials, electronics and resistors; dental cements; glass, artificial gems; coating for metals. Calcined alumina, a ceramic grade alumina for refractory bricks, whitewares. Used in production of aluminum, abrasives, refractories, ceramics, electrical insulators, catalysts and catalyst supports, paper, spark plugs, crucibles and lab ware, adsorbent for gases/water vapors, chromatographic analysis, heat-resist. fibers. White special fused corundum (crystalline aluminum oxide), used for production of ramming mixes, shape bricks and crucibles for the lining of high temperature furnaces; molding material for precision casting molds. Hard white solid; bp = 2977°; d = 3.54; insoluble in H_2O, slightly soluble in mineral acids; toxic by inhalation of dust; eye irritant by mechanical abrasion. *Air Products & Chemicals Inc.; Alcan Chem.; Alcoa Ind. Chem.; Atomergic Chemetals; BA Chem. Ltd.; Degussa AG; Degussa-Hüls Corp.; Ferro/Transelco; LaRoche Ind.; Lonza-Werke GmbH; Nissan Chem. Ind.; Norton Chem. Process Prods.; Rhône-Poulenc; Sigma-Aldrich Fine Chem.; Vista.*

97 Aluminum

7429-90-5 321 G

Al

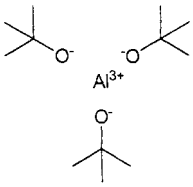
Al

Aluminum.

A 00; A 95; A 99; A 995; A 999; A99V; AA 1099; Aa1193; AA1199; AD 1; AD1M; ADO; Adom; AE; Alaun; Albri aluminum paste and powder; Alumina fibre; Aluminium; Aluminium bronze; Aluminium, elementary; Aluminium flake; Aluminum; Aluminum (fume or dust); Aluminum (metal); Aluminum 27; Aluminum A00; Aluminum dehydrated; Aluminum dust; Aluminum, elemental; Aluminum metal; Aluminum metal, pyro powders; Aluminum metal, respirable fraction; Aluminum metal, soluble salts; Aluminum metal, total dust; Aluminum metal, welding fumes; Aluminum, molten [Class 9]; Aluminum powder; Aluminum production; Aluminum, pyro powders; Aluminum soluble salts; Aluminum, welding fumes; AO A1; AR2; AV00; AV000; C-Pigment 1; C.I. 77000; Caswell No. 028A; CI 77000; CI 77000; EINECS 231-072-3; Emanay atomized aluminum powder; EPA Pesticide Chemical Code 000111; HSDB 507; JISC 3108; JISC 3110; L16; Metana; Metana aluminum paste; NA9260; Noral aluminium; Noral aluminum; Noral Extra Fine Lining Grade; Noral ink grade aluminium; Noral Ink Grade Aluminum; Noral non-leafing grade; PAP-1; Pigment metal 1; UN1309; UN1396. Metallic element; building and construction, corrosion-resistant chemical equipment (desalination plants), die-cast auto parts, electrical industry (power transmission lines), photoengraving plates, permanent magnets, cryogenic technology, machinery, tubes for ointments. Malleable metallic solid; mp = 660°; bp = 2327°; d = 2.70. *Alcan Chem.; Alcoa Ind. Chem.; Norsk Hydro AS.*

98 Aluminum butoxide

3085-30-1 H



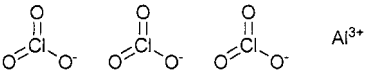
$C_{12}H_{27}AlO_3$

Aluminum n-butoxide.

Aluminium tributanolate; Aluminum butoxide; Aluminum n-butoxide; 1-Butanol, aluminum salt; EINECS 221-394-2.

99 Aluminum chlorate

15477-33-5 334 D G



$AlCl_3O_9$

Chloric acid aluminum salt.

Aluminum chlorate; EINECS 239-499-7; Mallebrin. Occurs as a hexahydrate and a nonahydrate. Used as an antiseptic and astringent. Freely soluble in H_2O, soluble in EtOH.

100 Aluminum chloride

7446-70-0 335 D G P

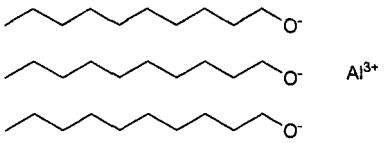
$AlCl_3$

Aluminum chloride, anhydrous.

Al3-01917; Alluminio(cloruro di); Aluminium, (chlorure d'); Aluminium chloride; Aluminium trichloride; Aluminiumchlorid; Aluminum, (chlorure d'); Aluminum chloride; Aluminum chloride (1:3); Aluminum chloride ($AlCl_3$); Aluminum chloride (anhydrous); Aluminum trichloride; Anhydrol forte; Caswell No. 029; CCRIS 6871; Chlorure d'aluminium; EINECS 231-208-1; EPA Pesticide Chemical Code 013901; HSDB 607; NSC 143015; NSC 143016; Pearsall; Praestol® K2001; TK Flock; Trichloroaluminum; UN1726; UN2581. Ethylbenzene catalyst, dyestuff intermediate, detergent alkylate, ethyl chloride, pharmaceuticals and organics, butyl rubber, petroleum refining, hydrocarbon resins, nucleating agent for titanium dioxide pigments. Coagulant for municipal and industrial water treatment; effective for turbidity reduction, phosphorus removal, water clarification, flotation, oil/water demulsification. Registered by EPA as an antimicrobial and herbicide (cancelled). BP compliance. Used as an antiseptic. The hexahydrate used as a topical astringent. White or colorless crystals; strong irritant; freely soluble in many organic solvents. *Asada Chem. Ind. Ltd.; CK Witco Corp.; Elf Atochem N. Am.; Fluka; Harcros Durham; Sigma-Aldrich Fine Chem.*

101 Aluminum n-decoxide

26303-54-8 H



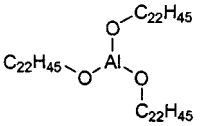
$C_{30}H_{66}AlO_3$

Aluminium tri(decanolate).

Aluminium tri(decanolate); Aluminum n-decoxide; 1-Decanol, aluminum salt; Decyl alcohol, aluminum salt; EINECS 247-598-1.

102 Aluminum n-docosoxide

67905-30-0 H



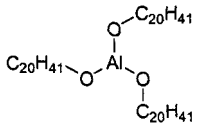
$C_{66}H_{138}AlO_3$

1-Docosanol, aluminum salt.

Aluminium tridocosanolate; Aluminum n-docosoxide; 1-Docosanol, aluminum salt; EINECS 267-649-1.

103 Aluminum n-eicosoxide

67905-31-1 H



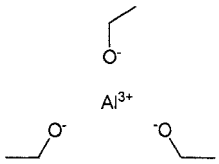
$C_{60}H_{126}AlO_3$

1-Eicosanol, aluminum salt.

Aluminium tri(icosanolate); Aluminum n-eicosoxide; 1-Eicosanol, aluminum salt; EINECS 267-650-7.

104 Aluminum ethoxide

555-75-9 337 H



$C_6H_{18}AlO_3$

Ethanol, aluminum salt.

Aluminium triethanolate; Aluminum ethoxide; Aluminum ethylate; Aluminum triethoxide; EINECS 209-105-8; Ethanol, aluminum salt; Ethyl alcohol, aluminum salt; HSDB 5430; Triethoxyaluminum.

105 Aluminum fluoride

7784-18-1 338 G

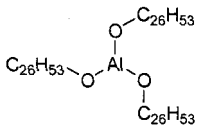
AlF_3

Aluminum trifluoride.

Aluminium fluoride; Aluminium fluorure; Aluminum fluoride (AlF_3); Aluminum trifluoride; CCRIS 2282; EINECS 232-051-1; Fluorid hlinity; HSDB 600. Used mixed with aluminum oxide and silica for use as an electrolyte in reduction of alumina to aluminum metal; as flux in remelting and refining of aluminum and its alloys; opacifier aid in production of ceramic enamels, glass, and glazes. Crystals; sublimes 1272°; soluble in H_2O (0.559 g/100 ml). *Alcan Chem.*

106 Aluminum n-hexacosoxide

67905-28-6 H



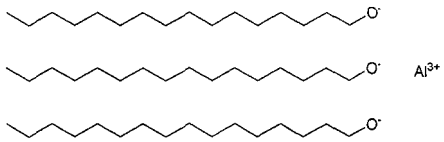
$C_{78}H_{159}AlO_3$

1-Hexacosanol, aluminum salt.

Aluminium trihexacosanolate; Aluminum n-hexacosoxide; EINECS 267-647-0; 1-Hexacosanol, aluminum salt.

107 Aluminum hexadecan-1-olate

19141-82-3 H



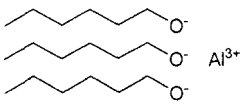
$C_{48}H_{102}AlO_3$

1-Hexadecanol, aluminum salt.

Aluminium hexadecan-1-olate; Aluminum hexadecan-1-olate; Aluminum n-hexadecoxide; EINECS 242-836-0; 1-Hexadecanol, aluminum salt.

108 Aluminum n-hexoxide

23275-26-5 H



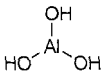
$C_{18}H_{39}AlO_3$

1-Hexanol, aluminum salt.

Aluminium tri(hexanolate); Aluminum n-hexoxide; EINECS 245-546-2; 1-Hexanol, aluminum salt; Hexyl alcohol, aluminum salt.

109 Aluminum hydroxide

21645-51-2 342 G



H_3AlO_3

Aluminum oxide trihydrate.

A 3011; AC 450; AC 714KC; AE 107; AF 260; AKP-DA; Alcoa 331; Alcoa 710; Alcoa A 325; Alcoa AS 301; Alcoa C 30BF; Alcoa C 31; Alcoa C 33; Alcoa C 330; Alcoa C 331; Alcoa C 333; Alcoa C 385; Alcoa H 65; Alhydrogel; Alolt 8; Alolt 80; Alolt 90; Alternagel; ALternaGEL; Alu-Cap; Alugel; Alugelibye; Alumigel; Alumina trihydrate; Aluminic acid (H_3AlO_3); Aluminium hydroxide; Aluminum hydroxide; Aluminum hydroxide ($Al(OH)_3$); Aluminum hydroxide, dried; Aluminum hydroxide gel; Aluminum oxide trihydrate; Aluminum trihydroxide; Aluminum(III) hydroxide; Alusal; Amberol ST 140F; Amorphous alumina; Amphogel; Amphojel; Antipollon HT; Apyral; Apyral 120; Apyral 120VAW; Apyral 2; Apyral 4; Apyral 8; Apyral 15; Apyral 24; Apyral 25; Apyral 40; Apyral 60; Apyral 90; Apyral B; Arthritis Pain Formula Maximum Strength; Ascriptin; BACO AF 260; Boehmite; British aluminum AF 260; C 31; C-31-F; C-31-F; C 31C; C 31F; C 31F; C 33; C 4D; C.I. 77002; Calcitrel; Calmogastrin; Camalox; CI 77002; Di-Gel Liquid; Dialume; DRG-0172; EINECS 244-492-7; F-1000 Dried Gel; F-1000®; F-2000® Dried Gel; F-2100® Dried Gel; F-2200® Dried Gel; Gelusil; GHA 331; GHA 332; GHA 431; H 46; Higilite; Higilite H 31S; Higilite H 32; Higilite H 42; HSDB 575; Hychol 705; Hydrafil; Hydral 705; Hydral 710; Hydrated alumina; Hydrated aluminum oxide; Kudrox; Liquigel; Maalox; Maalox HRF; Maalox Plus; Martinal; Martinal A; Martinal A/S; Martinal F-A; Mixture Name; Mylanta; P 30BF; PGA; Reheis F 1000; Simeco Suspension; Tricreamalate; Trihydrated alumina; Trihydroxyaluminum; Trisogel; Wingel. Used in dyes, paints and in textile finishing. As a compressed gel or a powder, is used medicinally as an antacid with good resuspending properties. White refractory powder; insoluble in H_2O. *Alcan Chem.; Alcoa Ind. Chem.; Atomergic Chemetals; BA Chem. Ltd.; Nyco Minerals; Reheis; Rhône-Poulenc; Seimi Chem.; Vista; Whittaker Clark & Daniels.*

110 Aluminum hydroxychloride

1327-41-9 343 D G

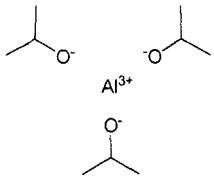
$Al_2H_5O_5Cl.2H_2O$

Basic aluminum chloride.

ACH 325; ACH 331; ACH 7-321; Aloxicoll; Aluminol ACH; Aluminum chlorhydrate; Aluminum chlorhydroxide; Aluminum chloride, basic; Aluminum chloride hydroxide oxide, basic; Aluminum chloride hydroxide; Aluminum chloride oxide; Aluminum chlorohydrate anhydrous; Aluminum chlorohydrol; Aluminum hydroxide chloride; Aluminum hydroxychloride; Aluminum oxychloride; Aluminum sesquichlorohydrate; Aquarhone 18; Astringen; Astringen 10; Banoltan White; Basic aluminum chloride; Basic aluminum chloride, hydrate; Berukotan AC-P; Cartafix LA; Cawood 5025; Chlorhydrol; Chlorhydrol Micro-Dry SUF; Chlorhydrol Micro-Dry; E 200; E 200 (coagulant); EINECS 215-477-2; Hessidrex WT; HPB 5025; Hydral; Hydrofugal; Kempac 10; Kempac 20; Kemwater PAX 14; Locron; Locron P; Locron S; Nalco 8676; OCAL; Oulupac 180; PAC; PAC (salt); PAC 250A; PAC 250AD; PACK 300M; Paho 2S; PALC; Reach® 101; Reach® 201; Reach® 501; Ritachlor 50%; Wickenol cps 325. Astringent and antihyperphosphatemic. Used in commercial antiperspirants and deodorants giving increased wetness protection, especially for Aerosols; in water purification; treatment of sewage and plant effluent. A raw material for personal care products. Glassy solid; soluble in H_2O (< 55% w/w). *Catomance Ltd.; Giulini; Reheis; Rita.*

111 Aluminum isopropoxide

555-31-7 346 H



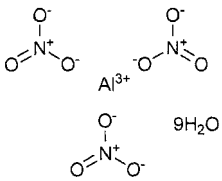
$C_9H_{24}AlO_3$

Isopropanol aluminum salt.

AI3-14396; Aliso; Aluminium isopropoxide; Aluminium triisopropanolate; Aluminum isoprop-anolate; EINECS 209-090-8; HSDB 5429; Isopropanol aluminum salt; Isopropyl alcohol, aluminum salt; NSC 7604; 2-Propanol, aluminum salt; Triisopropoxy-aluminum; Triisopropyl-oxyaluminum; Tris(isoprop-oxy)aluminum. Used for cosmetics, pharmaceuticals. Solid; mp = 128-133°; $bp_{5.2}$ =125-130°; d = 1.0350; decomposed by H_2O; soluble in organic solvents; LD_{50} (rat orl) = 11.3 g/kg.

112 Aluminum nitrate

7784-27-2 G



$AlN_3O_9.9H_2O$

Nitric acid aluminum salt nonahydrate.

Aluminum nitrate nonahydrate; Aluminum trinitrate nonahydrate; Aluminum(III) nitrate, nonahydrate (1:3:9); Nitric acid, aluminum salt, nonahydrate. Occurs mainly as the nonahydrate. Mordant for textiles, leather tanning, manufacture of incandescent filaments, catalyst in petroleum refining, nucleonics, anticorrosion agent, antiperspirant. Crystals; mp = 73°; dec 135°; very soluble in H_2O, less soluble in organic solvents; LD_{50} (rat orl) = 4.28 g/kg. *EM Ind. Inc.; Hoechst Celanese; Sherman Chem. Co.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

113 Aluminum nitride

24304-00-5 352 G

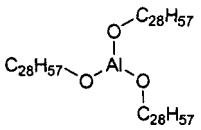
AlN

Aluminum nitride.

Aluminum nitride; EINECS 246-140-8. Used as a semiconductor in electronics, nitriding of steel; steel manufacture. Crystals; mp ≈ 2150-2200°; hardness 9 to 10 on Moh's scale. *Atomergic Chemetals; Carborundum Corp.; Mandoval Ltd.; Sigma-Aldrich Fine Chem.*

114 Aluminum n-octacosoxide

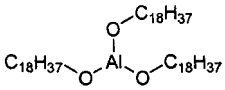
67905-27-5 H



$C_{84}H_{171}AlO_3$
1-Octacosanol, aluminum salt.
Aluminium tri(octacosanolate); Aluminum n-octacosoxide; EINECS 267-646-5; 1-Octacosanol, aluminum salt.

115 Aluminum n-octadecoxide

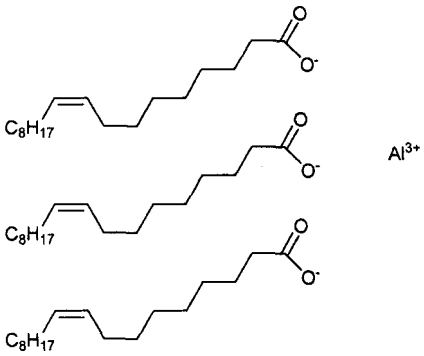
3985-81-7 H



$C_{54}H_{111}AlO_3$
Aluminium octadecan-1-olate.
Aluminium octadecan-1-olate; Aluminum n-octadecoxide; EINECS 223-629-4; 1-Octadecanol, aluminium salt; 1-Octadecanol, aluminum salt.

116 Aluminum oleate

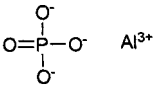
688-37-9 353 G



$C_{54}H_{99}AlO_6$
Aluminum 9-octadecenoate, (Z)-.
AI3-19803; Aluminium trioleate; Aluminum oleate; Aluminum trioleate; EINECS 211-702-3; HSDB 573; 9-Octadecenoic acid, (Z)-, aluminum salt (3:1); 9-Octadecenoic acid (Z)-, aluminum salt; Oleic acid, aluminum salt; Olminat. Olminate is a trade name for a commercial aluminum oleate; contains 1.5% aluminum. Used as lacquer for metals. Insoluble in H_2O, soluble in organic solvents.

117 Aluminum phosphate

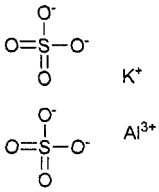
7784-30-7 357 7



AlO_4P
Aluminum orthophosphate.
Aluminium orthophosphate, natural; Aluminium-phosphat; Aluminophosphoric acid; Aluminum acid phosphate; Aluminum monophosphate; Aluminum phosphate; Aluminum phosphate (1:1); Aluphos; Angelite; Coeruleoactite; EINECS 232-056-9; Evansite; FFB 32; Lucinite; Metavariscite; Monoaluminum phosphate; Phosphaljel; Phosphalugel; Phosphoric acid, aluminum salt (1:1); Sterretite. Acidic solution. Refractory bonding agent, metal processing. Used as cement admixture with calcium sulfate and sodium silicate; as a flux for cermaics; dental cements and for special glasses. Used as an antacid. White solid; mp > 1460°; d^{23} = 2.56; insoluble in H_2O, AcOH, slighly soluble in concentrated HCl, HNO_3. *Albright & Wilson Americas Inc.; Rasa; Rhône-Poulenc; Superfos Biosector A/S.*

118 Aluminum potassium sulfate

10043-67-1 359 D G



$AlKO_8S_2$
Potassium aluminum sulfate.
Alaun; Alum; Alum, N.F.; Alum potassium; Alum, potassium; Alum, potassium anhydrous; Aluminium potassium bis(sulphate); Aluminum potassium alum; Aluminum potassium disulfate; Aluminum potassium sulfate ($AlK(SO_4)_2$); Aluminum potassium sulfate ($KAl(SO_4)_2$); Aluminum potassium sulfate, alum; Aluminum potassium sulfate, anhydrous; Burnt alum; Burnt potassium alum; CCRIS 6842; Dialuminum dipotassium sulfate; EINECS 233-141-3; Exsiccated alum; HSDB 2685; Potash alum; Potassium alum; Potassium aluminum alum; Potassium aluminum sulfate; Potassium aluminum sulfate (1:1:2); Sulfuric acid, aluminum potassium salt (2:1:1); Tai-Ace K 150; Tai-Ace K 20. Anhydrous or dodecahydrate. Used as an astringent, as a cement hardener, in paper, matches, paints, tanning agents, waterproofing agents and purification of water. Soluble in H_2O (5 g/100 ml at 20°, 100 g/100 ml at 100°), insoluble in EtOH; [dodecahydrate]: mp = 92.5°; d = 1.725; soluble in H_2O (13.9 g/100 ml at 20°, 330 g/100 ml at 100°, insoluble in organic solvents.

119 Aluminum rosinate

61789-65-9 H

Rosin acids, aluminum salts.
Aluminum resinate; Aluminum rosinate; EINECS 263-075-0; Resin acids and rosin acids, aluminum salts; Rosin acids, aluminum salts; UN2715.

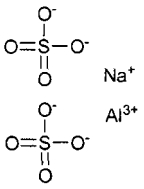
120 Aluminum silicate

12141-46-7 361 G

Al_2O_5Si
Aluminum oxide silicate.
Aciculite; Aluminum oxide silicate ($Al_2O(SiO_4)$); Aluminum silicate, natural; Aluminum silicate, synthetic; EINECS 235-253-8; Kaopolite® 1152; Kaopolite® AB; Kaopolite® SF; Kaylene; Kaylene-ol; Tisyn®. A gentle abrasive that speeds cleaning; antiblocking agent for plastic film. Confers mild polishing properties for auto polishes, plastics. Used as a reinforcement for plastic systems, coating, caulks, sealants, and mastics. *Kaopolite.*

121 Aluminum sodium sulfate

10102-71-3 362 D G



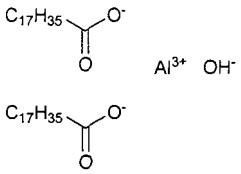
$AlNaO_8S_2$

Sodium aluminum sulfate.

Aluminum sodium sulfate; Aluminum sodium sulfate, $NaAl(SO_4)_2$; Aluminum sodium sulfate ($AlNa(SO_4)_2$); EINECS 233-277-3; HSDB 571; Kasal; Soda alum; Sodium alum; Sodium aluminum sulfate; Sodium aluminum sulfate ($NaAl(SO_4)_2$); Sulfuric acid, aluminum sodium salt (2:1:1). Sodium alum [as dodecahydrate]; Soda alum [as dodecahydrate]. Food additive for baking, cereals, dairy and cheese. Used in textiles as a mordant and for waterproofing, dry colors, ceramics, tanning, paper size precipitant, sugar refining, water purification. An astringent. [dodecahydrate]: mp ≅ 60°; d = 1.61; soluble in H_2O (100 g/100 ml), insoluble in EtOH. *Rhône-Poulenc Food Ingredients.*

122 Aluminum stearate

300-92-5 G H



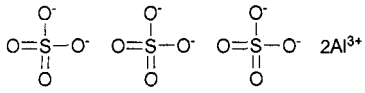
$C_{36}H_{71}AlO_5$

Aluminum hydroxide distearate.

Aluminum distearate; Aluminum hydroxide distearate; Aluminum, hydroxybis(octadecanoato-O)-; Aluminum, hydroxybis(stearato)-; Aluminum hydroxydistearate; EINECS 206-101-8; HSDB 5487; Hydroxyaluminum distearate; NSC 522176; Special M. Process aid, lubricant for PVC, polyolefins, PS, ABS. *Syn Prods.*

123 Aluminum sulfate

10043-01-3 365 D G P



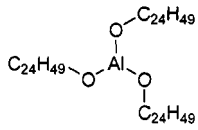
$Al_2O_{12}S_3$

Aluminum(III) sulfate.

Alum; Aluminium sulfate; Aluminium sulphate; Aluminum alum; Aluminum sesquisulfate; Aluminum sulfate; Aluminum sulfate ($Al_2(SO_4)_3$); Aluminum sulfate anhydrous; Aluminum sulphate; Aluminum trisulfate; Aluminum(III) sulfate; Cake alum; Caswell No. 031A; Dialuminum sulfate; Dialuminum sulphate; Dialuminum trisulfate; EINECS 233-135-0; EPA Pesticide Chemical Code 013906; Filter Alum; Hi Soft C 2; HSDB 5067; Nalco 7530; NSC 54563; Papermaker's Alum; Pearl Alum; Pickle Alum; Sulfatodialuminum disulfate (Al72(SO4)3); Sulfuric acid, aluminum salt (3:2); Sulfuric acid, aluminum(3+) salt (3:2); Tai-Ace S 150; Tai-Ace S 100. Used in pulp and paper mills, water purification plants, leather, textile, gypsum treatment, in fire retardants; deodorizer, decolorizer, food additive. Used in packing and preserving and to color hydrangeas; also to lower phosphate levels in water. Antiseptic. Registered by EPA as an antimicrobial and herbicide (cancelled). Solid; mp = 770°; d = 1.61; soluble in H_2O (100 g/100 ml), insoluble in EtOH; LD_{50} (mus orl) = 6207 mg/kg. *Alcan Chem.; Am. Cyanamid; Asada Chem. Ind. Ltd.; Ashland; BA Chem. Ltd.; Ethyl Corp.; General Chem; Herbert; Rasa; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

124 Aluminum n-tetracosoxide

67905-29-7 H



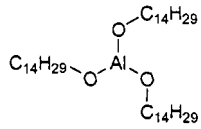
$C_{72}H_{147}AlO_3$

1-Tetracosanol, aluminum salt.

Aluminium tetracosanolate; Aluminum n-tetracosoxide; EINECS 267-648-6; 1-Tetracosanol, aluminum salt.

125 Aluminum n-tetradecoxide

67905-32-2 H



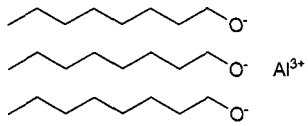
$C_{42}H_{90}AlO_3$

1-Tetradecanol, aluminum salt.

Aluminum n-tetradecoxide; EINECS 267-651-2; 1-Tetradecanol, aluminum salt; Tetradecanolate aluminium.

126 Aluminum tri(octanolate)

14624-13-6 H



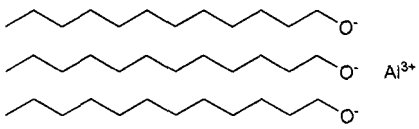
$C_{24}H_{51}AlO_3$

1-Octanol, aluminum salt.

Aluminium tri(octanolate); Aluminum n-octoxide; EINECS 238-666-1; 1-Octanol, aluminum salt; Octyl alcohol, aluminum salt.

127 Aluminum tridodecanolate

14624-15-8 H



$C_{36}H_{75}AlO_3$

1-Dodecanol, aluminum salt.

Aluminum n-dodecoxide; Aluminium tridodecanolate; 1-Dodecanol, aluminum salt; Dodecyl alcohol, aluminum salt; EINECS 238-667-7.

128 Aluminum trisodium hexafluoride

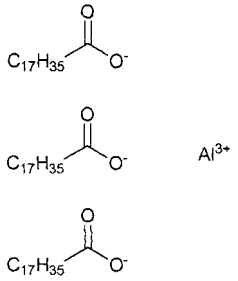
13775-53-6 G

AlF_6Na_3

Aluminate(3-), hexafluoro-, trisodium, (OC-6-11)-.
Aluminate(3-), hexafluoro-, trisodium; Aluminum sodium fluoride (Na_3AlF_6); Aluminum sodium hexafluoride ($AlNa_3F_6$); EINECS 237-410-6; Sodium aluminum hexafluoride; Sodium fluoroaluminate (Na_3AlF_6); Sodium fluoroaluminate(3-); Sodium hexafluoroaluminate; Synkrolith; Synthetic Cryolite; Trisodium aluminum hexafluoride; Trisodium hexafluoroaluminate. Filler for synthetic resin-bonded grinding wheels and brake linings. *Metallgesellschaft GmbH.*

129 Aluminum tristearate

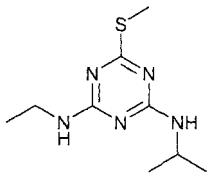
637-12-7 363 G H



$C_{54}H_{105}AlO_6$
Aluminum n-octadecanoate.
AI3-01515; Alugel 34TN; Aluminium stearate; Aluminum octadecanoate; Aluminum(III) stearate; Aluminum tristearate; Aluminium tristearate, pure; EINECS 211-279-5; HSDB 5733; Metasap XX; Monoaluminum stearate; Novogel® ST; Octadecanoic acid, aluminum salt; Rofob 3; SA 1500; Stearic acid, aluminum salt; Synpro® 404; Tribasic aluminum stearate. Solid; mp = 118°; d = 1.01; insoluble in H_2O, soluble in EtOH, petroleum ether; LD_{50} (rat ori) >5 g/kg. *Elf Atochem N. Am.; Ferro/Grant; Magnesia GmbH; Norac; Rhône-Poulenc; Syn Prods.; Witco/Humko.*

130 Ametryn

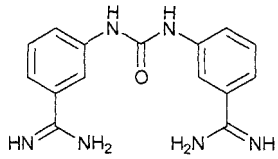
834-12-8 391 G P



$C_9H_{17}N_5S$
N-Ethyl-N-isopropyl-6-methylthio-1,3,5-triazine-2,4-di-amine.
80W; A 1093; AI3-60365; Amephyt; Ametrex; Ametrine; Ametryn; Ametryne; BRN 0613099; Caswell No. 431; Cemerin; Crisatrine; Doruplant; EPA Pesticide Chemical Code 080801. Selective systemic herbicide used for control of most annual grasses and broad-leaved weeds in pineapples, sugar cane, bananas; citrus fruit, maize, cassava; coffee, tea, cocoa; oil palmsand on non-crop land. An unrestricted, general use pesticide. Registered by EPA as a herbicide. Colorless crystals; mp = 86-88°; d_{20} = 1.19; soluble in H_2O (0.0185 g/100 ml), more soluble in CH_2Cl_2 (60 g/100 ml), Me_2CO (50 g/100 ml), MeOH (45 g/100 ml), C_7H_8 (40 g/100 ml), C_6H_{14} (1.4 g/100 ml); LD_{50} (rat orl) = 1110 mg/kg, (mus orl) = 965 mg/kg, (rbt der) > 8160 mg/kg, (rat der) > 3100 mg/kg; LC_{50} (bobwhite quail 8 day dietary) = 30000 mg/kg diet, (mallard duck 8 day dietary) = 23000 mg/kg diet, (rainbow trout 96 hr.) = 8.8 mg/l, (bluegill sunfish 96 hr.) = 4.1 mg/l, (goldfish 96 hr.) = 14.1 mg/l; low toxicity to bees. *Agan Chemical Manufacturers; Micro-Flo Co. LLC; Syngenta Crop Protection.*

131 Amicarbalide

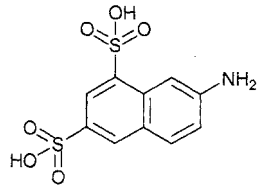
3459-96-9 394 G V



$C_{15}H_{16}N_6O$
3,3'-(Carbonyldiimino)bisbenzenecarboximidamide.
Amicarbalida; Amicarbalide; Amicarbalidum; 1,3-Bis(3-amidinophenyl)urea; 3,3'-Diamidinocarbanilide; EINECS 222-402-7; 3,3'-Ureylendibenzamidin. Babesiacide (treatment for piroplasmosis) in cattle. Diampron, the isethionate of amicarbalide, is an antiprotozoan for veterinary use.

132 Amido-G acid

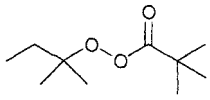
86-65-7 400 G



$C_{10}H_9NO_6S_2$
7-Amino-1,3-naphthalenedisulfonic acid.
4-14-00-02811 (Beilstein Handbook Reference); 2-Amino-6,8-disulfonaphthalene; 2-Aminonaphthalene-6,8-disulfonic acid; 7-Amino-1,3-naphthalenedisulfonic acid; 7-Aminonaphthalene-1,3-disulphonic acid; AI3-28530; Amido-G-acid; Amino-G-Acid; BRN 2669649; EINECS 201-689-2; 1,3-Naphthalenedisulfonic acid, 7-amino-; β-Naphthylamine-6,8-disulfonic acid; 2-Naphthylamine-6,8-disulfonic acid; NSC 4013. Used as an intermediate in manufacture of chemicals, particularly dyestuffs. mp = 274°; soluble in H_2O (92 g/l), EtOH, less soluble in non-polar organic solvents. *Zen Brasal Pvt. Ltd.*

133 Amilperoxy pivalate

29240-17-3 G



$C_{10}H_{20}O_3$
t-Amyl peroxypivalate.
tert-Amyl peroxypivalate; Aztec® t-Amyl peroxypivalate-75 OMS; EINECS 249-530-6; Esperox® 551M; Lupersol 554-M50, 554-M75; tert-Pentyl peroxypivalate; Propaneperoxoic acid, 2,2-dimethyl-, 1,1-dimethylpropyl ester; Trigonox® 125-C75. Initiator used in polymerization of monomers; initiator for bulk, solution, and suspension polymerization. *Catalyst Resources Inc.; Elf Atochem N. Am.*

134 Amines, tris(hydrogenated tallow alkyl)

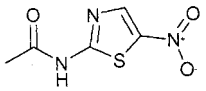
61790-42-9 H

Tris(hydrogenated tallow alkyl)amines.

Amines, tris(hydrogenated tallow alkyl); EINECS 263-135-6.

135 **Aminitrazole**

140-40-9 409 D G



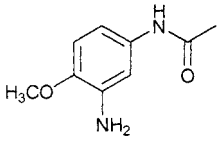
$C_5H_5N_3O_3S$

N-(5-Nitro-2-thiazolyl)acetamide.

4-27-00-04676 (Beilstein Handbook Reference); 2-Acetamido-5-nitrothiazole; 4-27-00-04676 (Beilstein Handbook Reference); 5-Nitro-2-acetilaminotiazolo; 5-Nitro-2-acetamidothiazole; Acetamide, N-(5-nitro-2-thiazolyl)-; Acetyl enheptin; Acinitrazol; Acinitrazole; Ametoterina; Aminitrazol; Aminitrozol; Aminitrozole; Aminitrozolum; Amminitrozol; BRN 0167361; CL 5,279; CL 5279; Cyzine premix; EINECS 205-414-7; Enheptin A; Gynofon; Lavoflagin; Nitasol; Nitazol; Nitazole; Nithiamide; N-(5-Nitro-2-thiazolyl)acet-amide; NSC 31539; Pleocide; RP 8243; Thiazole, 2-acetamido-5-nitro-; Torion; Trichlorad; Trichloral; Trichocid; Trichoman; Trichorad; Trichoral; Tricogen; Tricolaval; Tricoral; Tricosil; Tricosteril; Trikolaval; Tritheon. Antiprotozoal (Trichomonas) and an antihistomonad; used with turkeys. Crystals; mp = 264.5°; λ_m = 236, 340 nm (MeOH); soluble in aqueous alkaline media. *Am. Cyanamid.*

136 **3'-Amino-p-acetanisidide**

6375-47-9 H



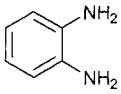
$C_9H_{12}N_2O_2$

3-Amino-4-methoxyacetanilide.

Acetamide, N-(3-amino-4-methoxyphenyl)-; p-Acet-anisidide, 3'-amino-; 3'-Amino-4'-methoxyacetanilide; 3'-Amino-p-acetanisidide; EINECS 228-938-8.

137 **o-Aminoaniline**

95-54-5 7368 G H



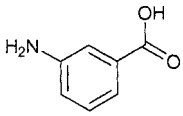
$C_6H_8N_2$

1,2-Benzenediamine.

4-13-00-00038 (Beilstein Handbook Reference); AI3-24343; o-Benzenediamine; BRN 0606074; CCRIS 508; CI 76010; CI Oxidation Base 16; o-Diaminobenzene; EINECS 202-430-6; EK 1700; o-Fenylendiamin; HSDB 2893; IK 3; NSC 5354; o-Phenylenediamine; OPDA; Orthamine; Phenylenediamine, ortho-; PODA; SQ 15500; UN1673. Used in dyestuffs manufacture. mp = 102.5°; bp = 257°; λ_m = 237, 293 nm (ε = 7943, 3981, MeOH); soluble in H_2O (1 g/100 ml), more soluble in EtOH, Et_2O, C_6H_6; LD_{50} (rat orl) = 1070 mg/kg.

138 **m-Aminobenzoic acid**

99-05-8 420 G



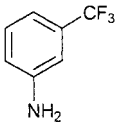
$C_7H_7NO_2$

3-Aminobenzoic acid.

4-14-00-01092 (Beilstein Handbook Reference); AI3-04707; 3-Aminobenzoic acid; m-Aminobenzoic acid; Aniline-3-carboxylic acid; Benzoic acid, 3-amino-; Benzoic acid, m-amino-; BRN 0471603; 3-Carboxyaniline; m-Carboxyaniline; EINECS 202-724-4; MABA; NSC 15012. Used in chemical synthesis and manufacturing. Crystals; mp = 173°; d^{25} = 1.151; λ_m = 219, 317 nm (ε = 25800, 1930, MeOH); slightly soluble in H_2O (0.59 g/100 ml), EtOH, $CHCl_3$; soluble in Et_2O, TFA, very soluble in Me_2CO, MeOH; LD_{50} (mus orl) = 6300 mg/kg. *Lancaster Synthesis Co.; Penta Mfg.*

139 **3-Aminobenzotrifluoride**

98-16-8 H



$C_7H_6F_3N$

Benzenamine, 3-(trifluoromethyl)-.

4-12-00-01843 (Beilstein Handbook Reference); m-Abtf; AI3-07422; 1-Amino-3-(trifluoromethyl)benzene; 3-Aminobenzotrifluoride; Benzenamine, 3-(trifluoromethyl)-; BRN 0387672; CCRIS 2812; EINECS 202-643-4; HSDB 4249; NSC 4540; Toluene, 3-amino-α,α,α-trifluoro-; m-Toluidine, α,α,α-trifluoro-; α,α,α-Trifluoro-m-toluidine; 3-(Trifluoromethyl)benzenamine; 3-Trifluoromethyl-aniline; UN2948; USAF MA-4. Liquid; mp = 5.5°; bp = 187°, bp_{10} = 74-75°; d^{12} = 1.3047; λ_m = 238, 295 nm (cyclohexane); slightly soluble in H_2O, soluble in EtOH, Et_2O.

140 **2-Aminobutane**

13952-84-6 1543 P

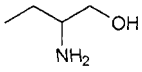
$C_4H_{11}N$

2-Butanamine.

2-AB; AI3-35093; 2-Aminobutane; Butafume; 2-Butanamine; Butylamine; (RS)-sec-Butylamine; 2-Butylamine; Caswell No. 125; CCRIS 4757; Deccotane; EINECS 237-732-7; EPA Pesticide Chemical Code 004214; Frucote; HSDB 6312; NSC 8030; Propylamine, 1-methyl; Tutane. Used agriculturally as a fungistat. Liquid; mp = -104°; bp = 63°; d^{20} = 0.724; soluble in H_2O, EtOH, LD_{50} (rat orl) = 380 mg/kg. *DowElanco Ltd.; Pennwalt Corp.*

141 **2-Aminobutanol**

96-20-8 426 G



$C_4H_{11}NO$

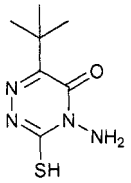
2-Amino-1-butanol.

4-04-00-01705 (Beilstein Handbook Reference); AB; AI3-03357; 2-Amino-1-butanol; 2-Amino-1-hydroxybutane; 2-Amino-n-butyl

alcohol; 2-Aminobutan-1-ol; 2-Aminobutyl alcohol; BRN 1098274; Butanol-2-amine; 1-Butanol, 2-amino-; EINECS 202-488-2; EINECS 235-940-2; 1-(Hydroxymethyl)propylamine; 1-Hydroxy-2-butylamine; NSC 1068. Pigment dispersant, neut-ralizing/emulsifying amine; corrosion inhibitor; acid salt catalyst; pH buffer; chemical, pharmaceutical intermediate, solubilizer Liquid; mp = 2°; bp = 176-178°; d = 0.944. *Whittaker Clark & Daniels.*

142 4-Amino-6-tert-butyl-3-mercapto-1,2,4-triazin-5(4H)-one

33509-43-2 H



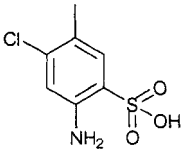
$C_7H_{12}N_4OS$

as-Triazin-5(4H)-one, 4-amino-6-tert-butyl-3-mercapto-.

4-Amino-6-tert-butyl-3-mercapto-1,2,4-triazine-5(4H)-one; 4-Amino-6-tert-butyl-3-mercapto-1,2,4-triazin-5(4H)-one; 1,2,4-Triazin-5(2H)-one, 4-amino-6-(1,1-dimethylethyl)-3,4-dihydro-3-thioxo-; as-Triazin-5(4H)-one, 4-amino-6-tert-butyl-3-mercapto-; EINECS 251-548-4.

143 2-Amino-4-chloro-5-methyl-benzenesulfonic acid

88-51-7 H



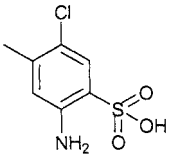
$C_7H_8ClNO_3S$

Benzenesulfonic acid, 2-amino-4-chloro-5-methyl-.

2B acid; 3-14-00-02216 (Beilstein Handbook Reference); 4-Amino-2-chlorotoluene-5-sulfonic acid; 4-Amino-6-chlorotoluene-3-sulphonic acid; 2-Amino-4-chloro-5-methylbenzenesulfonic acid; 6-Amino-4-chloro-m-toluenesulfonic acid; Benzenesulfonic acid, 2-amino-4-chloro-5-methyl-; Brilliant Toning Red Amine; BRN 2727161; CCRIS 3406; 2-Chloro-4-aminotoluene-5-sulfonic acid; 4-Chloro-6-amino-m-toluenesulfonic acid; 3-Chloro-4-methylaniline-6-sulfonic acid; 2-Chloro-4-toluidine-5-sulfonic acid; EINECS 201-837-6; HSDB 5258; Kyselina 2-chlor-4-toluidin-5-sulfonova; Permanent Red 2B Amine; Red 2B acid; m-Toluenesulfonic acid, 6-amino-4-chloro-.

144 2-Amino-5-chloro-4-methyl-benzenesulf-onic acid

88-53-9 H



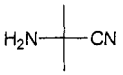
$C_7H_8ClNO_3S$

Benzenesulfonic acid, 2-amino-5-chloro-4-methyl-.

AI3-28529; 2-Amino-5-chloro-4-methylbenzenesulf-onic acid; 3-Amino-6-chlorotoluene-4-sulfonic acid; 5-Amino-2-chlorotoluene-4-sulphonic acid; Benzene-sulfonic acid, 2-amino-5-chloro-4-methyl-; CCRIS 2283; EINECS 201-839-7; HSDB 5259; Lake Red C Amine; Red Lake C amine; p-Toluenesulfonic acid, 2-amino-5-chloro-.

145 Aminodimethylacetonitrile

19355-69-2 H



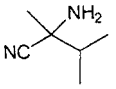
$C_4H_8N_2$

2-Amino-2-methylpropiononitrile.

Aminodimethylacetonitrile; α-Aminoisobutyronitrile; 2-Amino-2-methylpropanenitrile; 2-Amino-2-methyl-propiononitrile; 2-Aminoisobutyronitrile; 2-Cyano-isopropylamine; EINECS 242-989-3; Propanenitrile, 2-amino-2-methyl-; Propionitrile, 2-amino-2-methyl-; Vazo 64AN.

146 2-Amino-2,3-dimethylbutanenitrile

13893-53-3 H



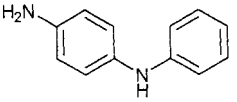
$C_6H_{12}N_2$

Butanenitrile, 2-amino-2,3-dimethyl-.

2-Amino-2,3-dimethylbutanenitrile; Butanenitrile, 2-amino-2,3-dimethyl-.

147 4-Aminodiphenylamine

101-54-2 G H



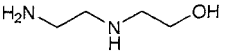
$C_{12}H_{12}N_2$

1,4-Benzenediamine, N-phenyl-.

Acna Black DF Base; AI3-15983; N-(4-Aminophenyl)aniline; Azosalt R; N, 4'-Bianiline; Black Base P; CCRIS 513; CI 37240; CI 76085; CI Azoic Diazo Component 22; CI Developer 15; CI Oxidation Base 2; Diphenyl Black; Diphenylamine, 4-amino-; Diphenylamine, p-amino-; EINECS 202-951-9; Fast Blue R Salt; HSDB 2178; Luxan Black R; N-4'-Bianiline; Naphthoelan Navy Blue; NCI-C02233; NSC 3401; Oxy Acid Black Base; Peltol BR; Peltol BR II; p-Phenylenediamine, N-phenyl-; Rodol Gray B base; Semidin; Semidine; p-Semidine; UBOB®; Variamine Blue RT; Variamine Blue Salt RT. Used in chemical manufacturing. Needles; mp = 66°; bp = 354°; λ_m = 286 nm (MeOH); slightly soluble in H_2O, $CHCl_3$, soluble in Et_2O, ligroin, very soluble in EtOH. *Uniroyal.*

148 Aminoethyl ethanolamine

111-41-1 G H



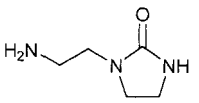
$C_4H_{12}N_2O$

2-((2-Aminoethyl)amino)ethanol.

4-04-00-01558 (Beilstein Handbook Reference); AI3-15368; Aminoethyl ethanolamine; N-Aminoethyl-ethanolamine; 2-((2-Aminoethyl)amino)ethanol; BRN 0506012; CCRIS 4825; EINECS 203-867-5; Ethanol, 2-((2-aminoethyl)amino)-; Ethanolethylene diamine; HSDB 2067; Hydroxyethyl ethylenediamine; N-Hydroxyethyl-1,2-ethanediamine; Monoethanolethylenediamine;

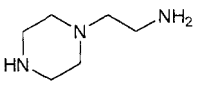
NSC 461. Used in textile finishing compounds (antifuming agents, dyestuffs, cationic surfactants), resins, rubber, insecticides, medicinals. Liquid; bp = 239°, bp_{10} = 105°; d^{20} = 1.0286; slightly soluble in C_6H_6, ligroin, soluble in Me_2CO, freely soluble in EtOH, H_2O; LD_{50} (rat orl) = 3 gm/kg. *BASF Corp.; Dow Chem. U.S.A.; Lancaster Synthesis Co.; Nippon Nyukazai; Union Carbide Corp.*

149 **1-(2-Aminoethyl)imidazolidin-2-one**
6281-42-1 G



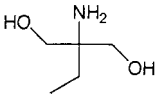
$C_5H_{11}N_3O$
1-(2-Aminoethyl)-2-imidazole.
AI3-24564; 1-(β-Aminoethyl)-2-imidazolidone; 1-(2-Aminoethyl)-2-imidazolidinone; 1-(2-Aminoethyl)-imidazolidinone; 1-(2-Aminoethyl)imidazolidin-2-one; DV-2301; EINECS 228-491-9; 2-Imidazolidinone, 1-(2-aminoethyl)-; NSC 5776. Used as a surfactant. *Rhône Poulenc Surfactants.*

150 **Aminoethylpiperazine**
140-31-8 G H



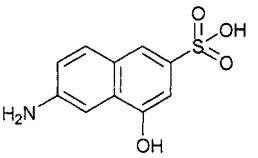
$C_6H_{15}N_3$
N-(2-Aminoethyl)piperazine.
5-23-01-00257 (Beilstein Handbook Reference); AI3-52274; Aminoethylpiperazine; N-Aminoethylpiper-azine; N-(β-Aminoethyl)piperazine; N-(2-Aminoethyl)-piperazine; BRN 0104363; CCRIS 6678; EINECS 205-411-0; HSDB 5630; NSC 38968; Piperazine, 1-(2-aminoethyl)-; 1-Piperazineethanamine; UN2815; USAF DO-46. Epoxy curing agent, intermediate for pharmaceuticals, anthelmintics, surface-active agents, synthetic fibers. Solid; mp = -19°; bp = 220°; d^{25} = 0.985; soluble in H_2O; LD_{50} (rat orl) = 2140 mg/kg. *Akzo Nobel Chemicals Inc; Dow Chem. U.S.A.; Fabrichem; Texaco; Tosoh; Union Carbide Corp.*

151 **2-Amino-2-ethyl-1,3-propanediol**
115-70-8 438 G



$C_5H_{13}NO_2$
1,3-Propanediol, 2-amino-2-ethyl-.
AEPD®; AEPD® 85; AI3-03358; Aminoethyl propanediol; 2-Amino-2-ethylpropanediol; 2-Amino-2-ethyl-1,3-propanediol; EINECS 204-101-2; 2-Ethyl-2-amino-propanediol; NSC 8803; 1,3-Propanediol, 2-amino-2-ethyl-; AEPD®-85; AEPD®. Pigment dispersant, neutralizing amine, corrosion inhibitor, acid-salt catalyst, pH buffer, chemical and pharmaceutical intermediate and solubilizer. Chemical intermediate, formaldehyde scavenger, acid-salt catalyst for permanent-press resins, corrosion inhibitor. Crystals; mp = 37.5°; bp_{10} = 152-153°; d^{20} = 1.0990; freely soluble in H_2O; soluble in alcohols; pH 0.1, 1M aqueous solution. *Whittaker Clark & Daniels.*

152 **6-Amino-4-hydroxy-2-naphthalenesulfonic acid**
90-51-7



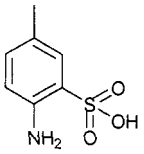
$C_{10}H_9NO_4S$
2-Naphthalenesulfonic acid, 6-amino-4-hydroxy-.
4-14-00-02823 (Beilstein Handbook Reference); AI3-19502; Aminonaphthol sulfonic acid γ; BRN 1821283; C.I. Developer 3; EINECS 202-000-8; γ Acid; NSC 31508; Y acid.

153 **Aminomercury chloride**
10124-48-8 5902 G

$H_2N—Hg^+ \quad Cl^-$

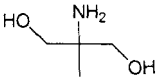
ClH_2HgN
Ammoniated mercuric chloride.
Aminomercuric chloride; Aminomercury chloride; Ammoniated mercuric chloride; Ammoniated mercury; EINECS 233-335-8; HSDB 1175; Hydrargyrum ammoniatum; Hydrargyrum praecipitatum album; Hydrargyrum precipitatum album; Lemery's white precipitate; Mercuric amidochloride; Mercuric ammonium chloride; Mercuric chloride, ammoniated; Mercury amide chloride ($Hg(NH_2)Cl$); Mercury amide chloride; Mercury amine chloride; Mercury, ammoniated; Mercury ammonium chloride; Mercury, ammonobasic ($HgNH_2Cl$); Mercury(II) chloride ammonobasic; Quecksilber(II)-amid-chlorid; UN1630; White mercuric precipitate; White mercury precipitated; White precipitate. Mercury ammonium chloride, used for the preparation of cinnabar and in medicine as a topical anti-infective. Powder; d = 5.38; insoluble in H_2O, EtOH, soluble in mineral acids.

154 **2-Amino-5-methyl-benzenesulfonic acid**
88-44-8 H



$C_7H_9NO_3S$
Benzenesulfonic acid, 2-amino-5-methyl-.
3-14-00-02213 (Beilstein Handbook Reference); AI3-52551; Benzenesulfonic acid, 2-amino-5-methyl-; BRN 2211509; CCRIS 2772; EINECS 201-831-3; Kyselina 4-toluidin-3-sulfonova; NSC 7544; m-Toluenesulfonic acid, 6-amino-; p-Toluidine-m-sulfonic acid; PTMS; PTMSA; Ptmsptmsa; Red 4B acid.

155 **2-Amino-2-methyl-1,3-propanediol**
115-69-5 447 G

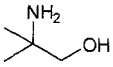


$C_4H_{11}NO_2$
1,1-Di(hydroxymethyl)ethylamine.
4-04-00-01881 (Beilstein Handbook Reference); AI3-03949; Aminoglycol; Aminomethyl propanediol; 2-Amino-2-methyl-1,3-propandiol; 2-Amino-2-methyl-propanediol; 2-Amino-2-methylpropane-1,3-diol; AMPD; BRN 0635708; 1,1-Di(hydroxymethyl)ethyl-amine; EINECS 204-100-7; Gentimon;

Isobutandiol-2-amine; NSC 6364; Pentaerythritol dichlorohydrin; 1,3-Propanediol, 2-amino-2-methyl-. Pigment dispersant, neutralizing amine, corrosion inhibitor, acid-salt catalyst, pH buffer, chemical and pharmaceutical intermediate; solubilizer or emulsifier system component in personal care products. Crystals; mp = 110°; bp_{10} = 151-152°; soluble in EtOH, very soluble in H_2O, LD_{50} (rat orl) = 17 gm/kg.

156 **Aminomethyl propanol**

124-68-5 448 G H



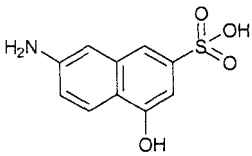
$C_4H_{11}NO$

2-Methyl-2-aminopropanol.

4-04-00-01740 (Beilstein Handbook Reference); AI3-03947; Aminomethyl propanol; Aminomethylprop-anol; AMP; AMP 75; AMP 95; AMP Regular; BRN 0505979; Caswell No. 037; Corrguard 75; EINECS 204-709-8; EPA Pesticide Chemical Code 005801; HSDB 5606; Hydroxy-tert-butylamine; Isobutanol-2-amine; KV 5088; NSC 441. Boiler water treatment chemical, corrosion inhibitor, carbon dioxide absorber. Widely used as a buffer and phosphate acceptor in assay of phosphatases. Suitable as buffer for manual and automated determination of alkaline phosphatase using 4-nitrophenyl phosphate as substrate. Solid; mp = 25.5°; bp = 165.5°; d^{20} = 0.934; soluble in CCl_4, freely soluble in H_2O; LD_{50} (rat orl) = 2900 mg/kg. *Lancaster Synthesis Co.; Lancaster Synthesis Ltd.*

157 **Aminonaphthol sulfonic acid J**

87-02-5 G H



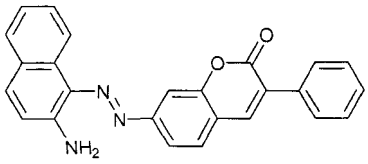
$C_{10}H_9NO_4S$

7-Amino-4-hydroxy-2-naphthalenesulfonic acid.

4-14-00-02823 (Beilstein Handbook Reference); 7-Amino-4-hydroxy-2-naphthalenesulfonic acid; Amino-naphthol sulfonic acid J; BRN 2217192; EINECS 201-718-9; I acid; Isogamma acid; J acid; Kyselina 2-amino-5-naftol-7-sulfonova; Kyselina 6-amino-1-naftol-3-sulfo-nova; Kyselina I; NSC 31510.

158 **7-((2-Amino-1-naphthyl)azo)-3-phenyl-2-benzopyrone**

67906-30-3 H



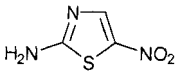
$C_{25}H_{17}N_3O_2$

2H-1-Benzopyran-2-one, 7-((2-amino-1-naphthyl)azo)-3-phenyl-.

7-((2-Amino-1-naphthyl)azo)-3-phenyl-2-benzopyrone; 2H-1-Benzopyran-2-one, 7-((2-amino-1-naphthyl)azo)-3-phenyl-; 2H-1-Benzopyran-2-one, 7-((2-amino-1-naphth-alenyl)azo)-3-phenyl-; EINECS 267-699-4.

159 **2-Amino-5-nitrothiazole**

121-66-4 456 G V



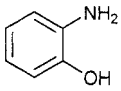
$C_3H_3N_3O_2S$

5-Nitro-2-thiazol-amine.

4-27-00-04675 (Beilstein Handbook Reference); AI3-50030; 2-Amino-5-nitrothiazole; Amnizol soluble; BRN 0126797; CCRIS 37; EINECS 204-490-9; Enheptin; Enheptin premix; Enheptin-T; Entramin; HSDB 4022; NCI-C03065; Nitramin IDO; 5-Nitro-2-aminothiazole; 5-Nitro-2-thiazolamine; 5-Nitro-2-thiazolylamine; 5-Nitrothiazol-2-ylamine; NSC 4; 2-Thiazolamine, 5-nitro-; Thiazole, 2-amino-5-nitro-; U 7458; USAF EK-6561. Used as an antihistomonad in turkeys, chickens; for trichomonasis in pigeons Orange-yellow powder; mp = 202° (dec); λ_m = 238, 278 nm (ε = 4250, 15100, MeOH), 224, 263, 446 nm (ε = 6460, 4800, 16000, MeOH-KOH), 236, 378 nm (ε = 4350, 11300, MeOH-HCl); sparingly soluble in H_2O; almost insoluble in $CHCl_3$; soluble in dilute mineral acids. *May & Baker Ltd.*

160 **o-Aminophenol**

95-55-6 460 H



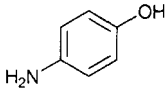
C_6H_7NO

Phenol, 2-amino-.

AI3-09065; o-Aminophenol; BASF ursol 3GA; Benzofur GG; CCRIS 4144; CI 76520; CI Oxidation Base 17; EINECS 202-431-1; Fouramine OP; HSDB 4246; o-Hydroxyaniline; o-Hydroxyphenylamine; Nako Yellow 3GA; Nako Yellow ga; NSC 1534; Paradone Olive Green B; Pelagol 3GA; Pelagol Grey GG; Phenol, 2-amino-; Phenol, o-amino-; Questiomycin B; UN2512; Zoba 3GA. Crystls; mp = 174°, sublimes at 153°; d^{25} = 1.328; λ_m ■ 233, 285 nm (MeOH); poorly soluble in C_6H_6, TFA, soluble in H_2O, Et_2O, very soluble in EtOH. *BASF Corp.*

161 **p-Aminophenol**

123-30-8 461 G H



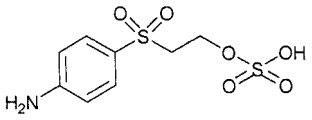
C_6H_7NO

4-Aminophenol.

Activol; AI3-14872; p-Aminofenol; p-Aminophenol; Aminophenol, p-; Azol; BASF Ursol P Base; Benzofur P; CCRIS 4146; Certinal; CI 76550; CI Oxidation Base 6; Citol; Durafur Brown RB; EINECS 204-616-2; Fouramine P; Fourrine 84; Fourrine P Base; Furro P Base; HSDB 2640; Nako Brown R; NSC 1545; PAP; Paranol; Pelagol Grey P Base; Pelagol P Base; Phenol, 4-amino-; Phenol, p-amino-; Renal AC; Rodinal; Takatol; Tertral P base; UN2512; Unal; Ursol P; Ursol P base; Zoba Brown P Base. White platelets; mp = 187.5°; $bp_{0.3}$ = 110°; λ_m = 234, 301 nm (ε = 7770, 2290, MeOH); insoluble in C_6H_6, $CHCl_3$, slightly soluble in H_2O, TFA, soluble in alkali, very soluble in EtOH; LD_{50} (rat orl) = 375 mg/kg.

162 **2-((p-Aminophenyl)sulphonyl)ethyl hydrogen sulfate**

2494-89-5 H



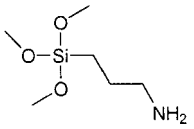
$C_8H_{11}NO_6S_2$

Ethanol, 2-((4-aminophenyl)sulfonyl)-, hydrogen sulfate (ester).

2-((p-Aminophenyl)sulphonyl)ethyl hydrogensulphate; EINECS 219-669-7; Ethanol, 2-((4-aminophenyl)sulf-onyl)-, hydrogen sulfate (ester); Ethanol, 2-sulfanilyl-, hydrogen sulfate (ester); 4-((2-Sulfatoethyl)sulfonyl)-aniline.

163 Aminopropyltrimethoxysilane

13822-56-5 G



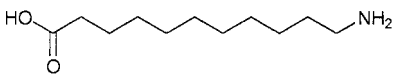
$C_6H_{17}NO_3Si$

3-Aminopropyltrimethoxysilane.

(3-Aminopropyl)trimethoxysilane; 3-Aminopropyltri-methoxysilane; (γ-Aminopropyl)trimethoxysilane; CA 0880; Dynasylan® AMMO; EINECS 237-511-5; KBE 903; NSC 83845; 1-Propanamine, 3-(trimethoxysilyl)-; 3-(Trimethoxysilyl)-1-propanamine; N-(Trimethoxy-silylpropyl)amine; 3-(Trimethoxysilyl)propylamine; Propylamine, 3-(trimethoxysilyl)-; SC 3900; Silane SC 3900; Union Carbide® A-1110. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 217°; d = 0.942. *Degussa-Hüls Corp.; Fluka; Gelest; PCR; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

164 11-Aminoundecanoic acid

2432-99-7 H



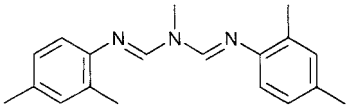
$C_{11}H_{23}NO_2$

11-Aminoundecylic acid.

4-04-00-02823 (Beilstein Handbook Reference); 11-Aminoundecanoic acid; 11-Aminoundecylic acid; BRN 1767291; CCRIS 39; EINECS 219-397-9; HSDB 4349; NCI-C50613; NSC 240503; Undecanoic acid, 11-amino-.

165 Amitraz

33089-61-1 486 G P V



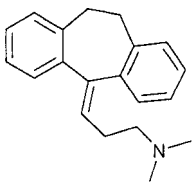
$C_{19}H_{23}N_3$

1,5-Di(2,4-dimethylphenyl)-3-methyl-1,3,5-triazapenta-1,4-diene.

Acarac; AI3-27967; Amitraz; Amitraz estrella; Ami-traze; Amitrazum; Azadieno; Azaform; Baam; Bipin; Boots BTS 27419; BRN 2946590; BTS 27,419; Caswell No. 374A; CCRIS 1552; 1,5-Di-(2,4-dimethylphenyl)-3-methyl-1,3,5-triazapenta-1,4-diene; Ectodex; Edrizar; EINECS 251-375-4; ENT 27967; EPA Pesticide Chem-ical Code 106201; Formamidine, N-methyl-N'-2,4-xylyl-N-(N-2,4-xylylform-imidoyl)-; Fumilat A; Methan-imidamide, N'-(2,4-di-methylphenyl)-N-(((2,4-di-methylphenyl)imino)methyl)-N-methyl-; 2-Methyl-1,3-di(2,4-xylylimino)-2-azapropane; 2,4-Xylidine, N,N'-(methyliminodimethylidyne)bis-; Mitaban; Mitaban (Veterinary); Mitac; Mitac 20; N-Methyl-bis(2,4-xylyl-iminomethyl)amin; N-Methyl-N'-2,4-xylyl-N-(N,2,4-xylylformimidoyl)formamidine; N-Methyl-bis(2,4-xylyl-iminomethyl)amine; N'-(2,4-Dimethyl-phenyl)-N-(((2,4-dimethylphenyl)imino)methyl)-N-; N,N-Bis(2,4-xylyliminomethyl)methylamine; N,N'-((Methyl-imino)-dimethylidyne)di-2,4-xylidine; N,N'-Di-2,4-xylid-ine; NSC 324552; Ovasyn; R.D. 27419; Taktic; Triatox; Triatrix; Triazid; U-36059; Upjohn U-36059. An acaricide and insecticide. Used to control mites, bugs, insects and larvae in fruit crops. Used primarily with animals as a non-systemic acaricide and insecticide with contact and respiratory action. Thought to interact with octopamine receptors in the nervous system, causing an increase in nervous activity. Used for control at all stages of mites, pear suckers,scale insects, mealy bugs, whitefly, aphids and lepidoptera. Registered by EPA as an insecticide and acaricide. Colorless, monoclinic needles; mp = 86 - 87°; sg^{25} = 1.128; soluble in H_2O (0.0001 g/100 ml), more soluble in Me_2CO, C_7H_8, xylene (all > 30 g/100 ml) and in other organic solvents; LD_{50} (rat orl) = 800 mg/kg, (mus orl) > 1600 mg/kg, (rbt der) > 200 mg/kg, (rat der) > 1600 mg/kg, (bee orl) ■ 0.012 mg/bee, (bee contact) = 3600 mg/l; LC_{50} (rat ihl 6 hr.) = 65 mg/l air, (mallard duck 8 day dietary) = 7000 mg/kg diet, (Japanese quail 8 day dietary) = 1800 mg/kg diet, (bluegill sunfish 96 hr.) = 1.3 mg/l, (harlequin fish 96 hr.) = 3.2 - 4.2 mg/l, (rainbow trout 96 hr.) = 2.7 - 4.0 mg/l. *AgrEvo; Atabay; Aventis Crop Science; Intervet Inc.; Nor-Am; Quimica Estrela; Schering AG; Schering Agrochemicals Ltd.; Virbac AH Inc.*

166 Amitriptyline

50-48-6 487 D



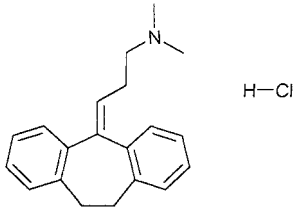
$C_{20}H_{23}N$

3-(10,11-Dihydro-5H-dibenzo-[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine.

Adepress; Adepril; Amitriptilina; Amitriptylin; Ami-triptyline; Amitriptylinum; BRN 2217885; Damilen; Damitriptyline; EINECS 200-041-6; Elavil; Flavyl; HSDB 3007; Lantron; MK 230; N 750; Proheptadiene; Redomex; Ro 4-1575; Seroten; Triptanol; Triptilin; Triptisol; Tryptanol. A tricyclic antidepressant. *Hoffmann-LaRoche Inc.; Merck & Co.Inc.*

167 Amitriptyline Hydrochloride

549-18-8 487 D



$C_{20}H_{24}ClN$

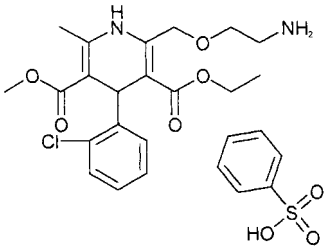
3-(10,11-Dihydro-5H-dibenzo-[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine hydrochloride.

Adepril; ADT-Zimaia; Amavil; Ami-Anelun; Amilit; Amineurin;

Amiplin; Amiprin; Amitid; Amitril; Amitrip; Amitriptyline chloride; Amitriptyline hydrochloride; Amyline; Amyzol; Anapsique; Annoyltin; Apo-Ami-triptyline; Belpax; CCRIS 7092; Damilen hydro-chloride; Daprimen; Deprex; Domical; DRG-0169; EINECS 208-964-6; Elatrol; Elatrolet; Elavil hydrochloride; Enafon; Endep; Etrafon; Etrafon; Etravil; Kyliran; Laroxyl; Larozyl; Lentizol; Levate; Limbitrol; Limbitrol DS; Maxivalet; Miketorin; Mitaptyline; NIH 10794; Nornaln; Novoprotect; Novotriptyn; NSC 104210; Oasil-M; Pinsanu; Pinsaun; Proheptadien monohydrochloride; Rantoron; Redomex; Saroten; Saroten Retard; Sarotena; sk-Amitriptyline chloride; Syneudon; Teperin; Trepiline; Triavil; Tridep; Tripta; Triptizol; Trynol; Tryptacap hydrochloride; Tryptine; Tryptizol; Tryptizol retard; Trytomer; Vanatrip; Yamanouchi. Antidepressant. mp = 196-197°; freely soluble in H_2O, $CHCl_3$, alcohol; λ_m = 240 nm; pKa = 9.4; LD_{50} (rat orl) = 380 mg/kg. *Bristol-Myers Squibb Co.; Lemmon Co.; Merck & Co.Inc.; Parke-Davis; Roche Puerto Rico; Schering-Plough HealthCare Products.*

168 Amlodipine

88150-42-9 491 D



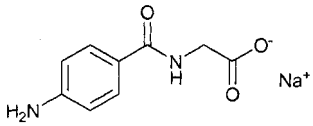
$C_{20}H_{25}ClN_2O_5$

3-Ethyl-5-methyl (±)-2-[(2-aminoethoxy)methyl]-4-(o-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedi-carboxylate.

Amlocard; Amlodipine; Amlodipino; Amlodipinum; Amlodis; Coroval; Lipinox; Norvasc. Antianginal agent. Dihydropyridine calcium channel blocker. Has antihypertensive properties. *Ciba-Geigy Corp.; Pfizer Inc.*

169 Ammohippurate sodium

94-16-6 441 G



$C_9H_9N_2NaO_3$

p-Aminohippuric acid sodium salt.

4-Aminohippursaeure, natriumsalz; 4-Aminohippur-säure, natriumsalz; Amino-hippurate-sodium; Ammo-hippurate sodium; p-Aminohippurate sodium; EINECS 202-309-8; Glycine, N-(4-aminobenzoyl)-, mono-sodium salt; Hippuric acid, p-amino-, monosodium salt; Monosodium p-aminohippurate; N-(4-Amino-benzoyl)glycine mono-sodium salt; Natrium 4-aminohippurat; Nephrotest; Paraaminohippurate Injection; Sodium 4-aminohippurate; Sodium p-aminohippurate. Used intravenously to measure effective renal plasma flow and tubular secretory capacity. Crystals; mp = 123-125°. *Merck & Co.Inc.*

170 Ammonia

7664-41-7 492 G P

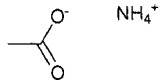
H_3N

Ammonia gas.

AM-Fol; Ammonia; Ammonia, anhydrous; Ammonia gas; Ammonia solution, strong; Ammoniac; Ammoniaca; Ammoniak; Ammoniak Konzentrierter; Ammoniakgas; Amoniak; Caswell No. 041; CCRIS 2278; EINECS 231-635-3; EPA Pesticide Chemical Code 005302; HSDB 162; Liquid Ammonia; Nitro-sil; R 717; Spirit of hartshorn; UN 1005 (anhydrous gas or >50% solution); UN 2073 (>44% solution); UN 2672 (between 12% and 44% solution). Fertilizers, refrigerant, nitriding of steel, condensation catalyst, neutralizing agent, petroleum industry, latex preservative, explosives. Registered by EPA as an insecticide. Colorless gas; mp = -77°; bp = -33.35°; d = 0.5967; d (gas) = 0.7714 g/l. *Air Products & Chemicals Inc.; Allied Signal; Am. Cyanamid; Asahi Chem. Industry; Chevron; General Chem; LaRoche Ind.; Mitsui Toatsu; Monsanto Co.; Nissan Chem. Ind.; Norsk Hydro AS; OxyChem; PPG Ind.; Unocal.*

171 Ammonium acetate

631-61-8 495 D G



$C_2H_7NO_2$

Acetic acid ammonium salt.

Acetic acid, ammonium salt; AI3-26540; Ammonium acetate; EINECS 211-162-9; HSDB 556. Reagent in analytical chemistry, drugs, textile dyeing, preserving meats, foam rubbers, vinyl plastics, and explosives. Used medically as a diuretic. mp = 114°; bp dec; d^{20} ◘ 1.17; freely soluble in H_2O, soluble in EtOH, slightly soluble in Me_2CO; 0.5 M aqueous solution has pH of 7.0. *General Chem; Schaeffer Salt & Chem.; Sigma-Aldrich Fine Chem.; Verdugt BV.*

172 Ammonium alginate

9005-34-9 E G

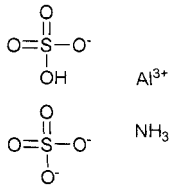
$(C_6H_{11}NO_6)_x$

Ammonium polymannuronate.

Alginic acid, ammonium salt; Ammonium alginate; Ammonium polymannurate; Analgine; Callatex; Collatex ARM Extra; Digamon; HSDB 1910; Protomon; Superloid; component of: KELTOSE®. Thickening agent and stabilizer in food productsFDA, FEMA GRAS, USDA, Europe listed, UK approved. Used as a thickening agent, gellant and stabilizer in pharmaceuticals. Filamentous, grainy, granular, or powder; colorless or slightly yellow; slowly soluble in H_2O forming viscous solid; insoluble in alcohol; heated to decomposition emits toxic fumes of NO_x. *Kelco Intl.; Spectrum Chem. Manufacturing.*

173 Ammonium alum

7784-25-0 325 D G



$AlH_4NO_8S_2$

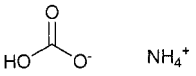
Aluminum Ammonium Sulfate.

Alum, ammonium; Alum, ammonium anhydrous; Aluminium ammonium bis(sulphate); Aluminum ammonium alum; Aluminum

ammonium disulfate ($Al(NH_4)(SO_4)_2$); Aluminum ammonium sulfate; Aluminum sulfate compd. with ammonium sulfate (1:1); Ammonium alum; Ammonium aluminum alum; Ammonium aluminum sulfate; Burnt ammonium alum; Caswell No. 041B; Curb; EINECS 232-055-3; EPA Pesticide Chemical Code 098501; Exsiccated ammonium alum; HSDB 611; Monoammonium monoaluminum sulfate; NSC 146176; Sulfuric acid, aluminum ammonium salt (2:1:1). Inorganic salt; mordant in dyeing, water and sewage purification, sizing paper, retanning leather, clarifying agent, food additive, manufacture of lakes and pigments, fur treatment. Used medicinally as an astringent. Crystals; d = 1.65; mp = 94.5°; soluble in H_2O (14.3 g/100 ml at 20°, 200 g/100 ml at 100°, freely soluble in glycerol, insoluble in EtOH.

174 Ammonium bicarbonate

1066-33-7 497 G



CH_5NO_3

Ammonium hydrogen carbonate.

ABC Trieb; Acid ammonium carbonate; Ammonium acid carbonate; Ammonium bicarbonate; Ammonium hydrogen carbonate; Ammonium hydrogencarbonat; Ammonium hydrogencarbonate; Carbonic acid, monoammonium salt; CCRIS 7327; EINECS 213-911-5; HSDB 491; Monoammonium carbonate. Used for production of ammonium salts, dyes; leavening agent for cookies, crackers; fire-extinguishing compounds; pharmaceuticals, degreasing textiles, blowing agent for foam rubber, boiler scale removal, compost treatment. Baking raising agent. In cooling baths, fire extinguishers, manufacture of porous plastics, ceramics, dyes and fertilizer. White crystals; mp = 60° (dec); d = 1.586; soluble in H_2O at 20° (17.4 g/100 ml); insoluble in EtOH, Me_2CO. *BASF AG; General Chem; Nissan Chem. Ind.; Norsk Hydro AS; Rhône-Poulenc.*

175 Ammonium bifluoride

1341-49-7 498 G

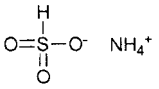
F_2H_5N

Ammonium acid fluoride.

Acid ammonium fluoride; Ammonium acid fluoride; Ammonium bifluoride; Ammonium fluoride; Amm-onium fluoride ($(NH_4)(HF_2)$); Ammonium hydro-fluoride; Ammonium hydrogen bifluoride; Ammonium hydrogen fluoride; Ammonium hydrogendifluoride; EINECS 215-676-4; Fluoram; Fluorure acide d'ammonium; HSDB 480; Matt salt; UN1727; UN2817. Used in ceramics, as a chemical reagent, for etching glass, as a sterilizer for breweries and dairies; electroplating, processing beryllium; as a laundry sour. Orthorhombic crystals which readily etch glass; d = 1.5; mp = 124.6°; bp = 235°; soluble in H_2O (630 g/l). *Bayer plc; Hoechst Celanese; Miles Inc.; Solvay Deutschland GmbH*

176 Ammonium bisulfite

10192-30-0 502 G



H_5NO_3S

Sulfurous acid, monoammonium salt.

Ammonium acid sulfite; Ammonium bisulfite; Ammonium bisulfite (NH_4HSO_3); Ammonium hydrogen sulfite; Ammonium hydrogensulphite; Ammonium hydrosulfite; Ammonium monosulfite; Ammonium sulfite, hydrogen; EINECS 233-469-7; HSDB 486; Monoammonium sulfite; Sulfurous acid, monoammonium salt. Preservative. Crystals; mp = 147°; soluble in H_2O (267 g/100 ml 10°; 620 g/100 ml 60°). *Brotherton Ltd.; General Chem; Heico.*

177 Ammonium bromide

12124-97-9 505 D G

NH_4^+ Br^-

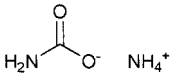
BrH_4N

Ammonium bromide.

Ammonii bromidum; Ammonium bromatum; Ammonium bromide; EINECS 235-183-8; FR-1; HSDB 207; Hydrobromic acid monoammoniate; Nervine. Flame retardant for textiles, wood, chipboard, plywood. Used in manufacture photographic films, plates, and papers; in engraving and lithography; as a corrosion inhibitor. Medicinally, a sedative/hypnotic. White hygroscopic crystals; sublimes at high temperature; d^{25} = 2.429; freely soluble in H_2O, EtOH, MeOH, Me_2CO; slightly soluble in Et_2O; insoluble in EtOAc. *Great Lakes Fine Chem.; Johnson Matthey; Sigma-Aldrich Fine Chem.*

178 Ammonium carbamate

1111-78-0 507 H



$CH_6N_2O_2$

Ammonium aminoformate.

Ammonium carbamate; Carbamic acid, ammonium salt; Carbamic acid, monoammonium salt; EINECS 214-185-2; HSDB 485. Crystals; bp approx. 60°; freely soluble in H_2O, soluble in EtOH.

179 Ammonium chloride

12125-02-9 510 G

NH_4^+ Cl^-

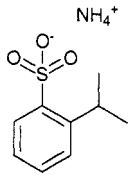
ClH_4N

Ammonium chloride.

AI3-08937; Amchlor; Ammon Chlor; Ammonchlor; Ammoneric; Ammonii Chloridum; Ammonium Chloratum; Ammonium chloride; Ammonium chloride ($(NH_4)Cl$); Ammonium chloride fume; Ammonium Chloride Injection; Ammonium Chloride Tablets; Ammonium muriate; Ammoniumchlorid; Ammonium-klorid; CCRIS 7262; Chlorammonic; Chloramon; Chlorid ammonia; Chlorid amonny; Cloruro de Amonio; Darammon; EINECS 235-186-4; Elektrolyt; Gen-Diur; HSDB 483; Katapone VV-328; Muriate of Ammonia; PV Tussin Syrup; Sal ammonia; Sal ammoniac; Salammonite; Salmiac. In dry batteries; mordant (dyeing and printing); safety explosives; flux for coating sheet and iron with zinc; manufacture of various ammonia compounds, fertilizer, pickling agent; In washing powders. Used as a flux and cleanser. Medically as a systemic acidifier and in veterinary medicine as an expectorant and diaphoretic. Colorless, odorless crystals; mp = 340°; d^{25} = 1.5274; soluble in H_2O, methanol, ethanol; LD_{50}=im rats 30 mg/kg; incompatible with Ag, Pb salts; LD_{50} (rat orl) = 1650 mg/kg. *BASF Corp.; Degussa-Hüls Corp.; EM Ind. Inc.; General Chem; Heico; Kemichrom; Sigma-Aldrich Fine Chem.*

180 Ammonium cumenesulfonate

37475-88-0 G H



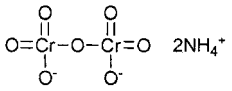
$C_9H_{15}NO_3S$

Benzenesulfonic acid, (1-methylethyl)-, ammonium salt.

ACS 60; Ammonium cumenesulfonate; Ammonium cumenesulphonate; Benzenesulfonic acid, (1-methylethyl)-, ammonium salt; Benzenesulphonic acid, (1-methylethyl)-, ammonium salt; EINECS 253-519-1; Eltesol® AC60; (1-Methylethyl)benzenesulfonic acid, ammonium salt. Surfactant, hydrotrope for agricultural applications. Hydrotrope, solubilizer for personal care applications. *Albright & Wilson UK Ltd.; CK Witco Corp.; Rewo.*

181 Ammonium dichromate

7789-09-5 516 G



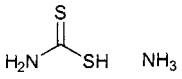
$Cr_2H_8N_2O$

Ammonium dichromate (VI).

Ammonio (bicromato di); Ammonio (dicromato di); Ammonium (dichromate d'); Ammonium bichromate; Ammonium chromate ($(NH_4)_2Cr_2O_7$); Ammonium dichromate; Ammonium dichromate (VI); Ammonium-bichromaat; Ammoniumdichromaat; Ammonium-dichromat; Bichromate d'ammonium; Chromic acid, diammonium salt; Diammonium dichromate; Dichromic acid, diammonium salt; EINECS 232-143-1; HSDB 481; UN1439. Mordant for dyeing, pigments, manufacture of alizarin, chrome alum, catalysts, oil purification, pickling, leather tanning, synthetic perfumes, photography, lithography, pyrotechnics Bright orange-red crystals; flammable; mp = 170°; d = 2.155, 82 lb/f^3; dec 180°; very soluble in H_2O. *British Chrome & Chemical; EM Ind. Inc.*

182 Ammonium dithiocarbamate

513-74-6 517 H



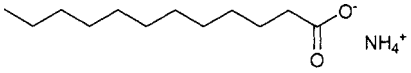
$CH_6N_2S_2$

Dithiocarbamic acid monoammonium salt.

Ammonium dithiocarbamate; Ammonium sulfocarb-amate; Carbamic acid, dithio-, monoammonium salt; Dithiocarbamic acid monoammonium salt; EINECS 208-166-8; HSDB 5675; NSC 202959.

183 Ammonium dodecanoate

2437-23-2 H



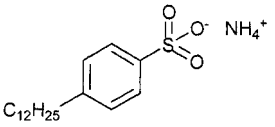
$C_{12}H_{27}NO_2$

n-Dodecanoic acid, ammonium salt.

AI3-00287; Ammonium laurate; Dodecanoic acid, ammonium salt; EINECS 219-439-6; Lauric acid, ammonium salt.

184 Ammonium dodecylbenzene sulfonate

1331-61-9 G



$C_{18}H_{33}NO_3S$

Ammonium dodecylbenzene sulfonate.

Ablusol DBM; Ammonium dodecylbenzenesulfonate; Ammonium dodecylbenzenesulphonate; Ammonium lauryl benzene sulfonate; Benzenesulfonic acid, dodecyl-, ammonium salt; Dodecylbenzenesulfonic acid, ammonium salt; EINECS 215-559-8; Hetsulf 50A; Nansa® AS 40. Wetting agent, emulsifier, dispersant, for light duty detergent formulations. Used in formulation of domestic and industrial liquid detergents. Surfactant, emulsifier, wetting agent for bubble baths, shampoos and detergents. *Albright & Wilson Americas Inc.; Heterene; Taiwan Surfactants.*

185 Ammonium fluoride

12125-01-8 524 G

NH_4^+ F^-

FH_4N

Ammonium Fluoride.

Ammonium fluoride; Ammonium fluoride ($(NH_4)F$); Ammonium fluorure; CCRIS 2285; EINECS 235-185-9; Fluorek amonowy; Fluorure d'ammonium; Fluoruro amonico; HSDB 6287; Neutral ammonium fluoride; UN2505. Used in the manufacture of fluorides, analytical chemistry, antiseptic in brewing, etching glass, textile mordant, wood preservative, mothproofing agent Crystals; d = 1.009; soluble in H_2O (100g/100ml); decomposed by hot H_2O into NH_3 and ammonium biflouride; incompatible with quinine salts calcium salts; ingestion produces nausea, vomiting, gastroentroenteritis, convulsions, death. *GE Silicones; GE Specialities; GE; General Chem; Hoechst Celanese; Olin Corp; Sigma-Aldrich Fine Chem.*

186 Ammonium laureth sulfate

67762-19-0 G

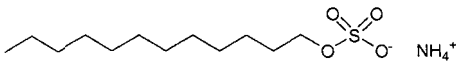
$(C_2H_4O)_n.C_{12}H_{26}O_4S.H_3N$ (average n = 1-4)

Ammonium lauryl ether sufate.

(C10-C16)-Alkyl alcohol ethoxylate sulfuric acid ammonium salt; (C10-C16) Alkylethoxylate sulfuric acid, ammonium salt; (C10-C16)Alcohol ethoxylate, sulfated, ammonium salt; (C13-C16)Alkyl ethoxylate sulfuric acid, ammonium salt; Avirol® AE 3003; Calfoam NEL-60; Carsonal® SES-A; DeSonol AE; Empicol® EAA, EAB, EAC; Poly(oxy-1,2-ethanediyl), α-sulfo-omega-hydroxy-, C10-16-alkyl ethers, ammonium salts; SDA 15-067-01; Texapon EA-1, NA; Ungerol AM3-75; Witcolate AE; Witcolate LES-60A; Zoharpon LAEA 253; Nonasol N4AS; Nurapon AL1, AL 60; Polystep®B-11; Rhodapex® AB-20, EA, EAY; Standapol® EA-1; Steol® CA-460; Sulfochem EA-1, EA-2, EA-3, EA-60, EA-70; Sulfotex OT. Emulsifier for vinyl acetate copolymers, S/B latexes, vinyl chloride copolymers, acrylate homo-and copolymers. Surfactant; hair and skin detergents; breaks up and holds oils and soil. Liquid; d = 1.02. *Allchem Ind.; Ashland; Clariant Corp.; Great Western; Lonzagroup; Pilot; Rhône Poulenc Surfactants; Stepan; Witco/Oleo-Surf.*

187 Ammonium lauryl sulfate

2235-54-3 G P



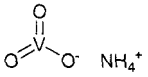
$C_{12}H_{29}NO_4S$

Sulfuric acid, monododecyl ester, ammonium salt.

Akyposal als 33; Ammonium dodecyl sulfate; Ammonium dodecyl sulphate; Ammonium lauryl sulfate; Ammonium n-dodecyl sulfate; Caswell No. 044B; Conco sulfate A; Dodecyl ammonium sulfate; Dodecyl sulfate ammonium salt; EINECS 218-793-9; EPA Pesticide Chemical Code 079028; HSDB 2101; Lauryl ammonium sulfate; Lauryl sulfate ammonium salt; Maprofix NH; Montopol LA 20; Neopon LAM; Octosol ALS-28; Presulin; Rhodapon® L-22; Rhodapon® L-22/C; Richonol AM; Sinopon; Sipon LA 30; Siprol 422; Siprol L22; Standapol® A; Sterling AM; Sulfuric acid, lauryl ester, ammonium salt; Sulfuric acid, monododecyl ester, ammonium salt; Texapon A 400; Texapon special; Witcolate NH. Detergent, emulsifier, foaming agent, dispersant, wetting agent; for personal care products, carpet shampoos, firefighting. High foaming detergent, emulsifier for shampoo, bubble bath, pet shampoos, industrial and institutional cleaners, wool scouring, fire fighting foams, assistant for pigment dispersion; emulsion polymerization aid. Registered by EPA as a bactericide, insecticide, fungicide and rodenticide (cancelled). Liquid; anionic detergent. *CK Witco Chem. Corp.; CK Witco Corp.; Henkel/Cospha; Lonzagroup; Rhône Poulenc Surfactants; Rhône-Poulenc; Sandoz; Stepan Canada; Stepan.*

188 Ammonium metavanadate

7803-55-6 572 G



H_4NO_3V

Ammonium Vanadate (V).

Ammonium metavanadate; Ammonium metavanadate (NH_4VO_3); Ammonium monovanadate; Ammonium trioxovanadate; Ammonium vanadate; Ammonium vanadate ($(NH_4)VO_3$); Ammonium vanadium oxide (NH_4VO_3); Ammonium vanadium trioxide; CCRIS 4120; EINECS 232-261-3; HSDB 6310; NSC 215196; RCRA waste number P119; UN2859; Vanadic acid (HVO_3), ammonium salt; Vanadic acid, ammonium salt. Used in wool dyeing, wood staining, *in manufacture* of inks, photography and microscopy. White crystalline powder; soluble in H_2O (60 g/100 ml); LD_{50} (rat orl) = 0.16 g/kg. *Kerr-McGee.*

189 Ammonium molybdate

12027-67-7 536 G

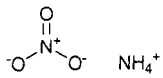
$H_{16}MoN_2O_8$

Hexaammonium molybdate.

Ammonium heptamolybdate; Ammonium hepta-molybdate ($(NH_4)_6Mo_7O_{24}$); Ammonium molybdate; Ammonium molybdate(VI); Ammonium paramolybdate; EINECS 234-722-4; Hexaammonium heptamolybdate; Hexaammonium molybdate; Hexammonium hepta-molybdat; Hexammonium tetracosaoxoheptamolybdate; HSDB 1802; Molybdate, hexaammonium; Molybdic acid, hexaammonium salt; PM 20. In soil additives, enamel bonding agents, protective and decorative metal coatings, iron and steel alloys, lubricants, petroleum refining catalysts, pigments, corrosion inhibitors, smoke suppressants, production of molybdenum metal. [tetrahydrate]; colorless or slightly greenish crystals; LD_{50} (rat orl) = 333 mg/kg. *AAA Molybdenum; Climax Molybdenum Co.; Climax Performance.*

190 Ammonium nitrate

6484-52-2 538 G



$H_4N_2O_3$

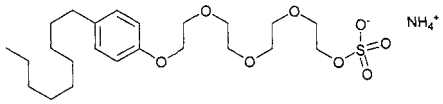
Nitric acid, ammonium salt.

Ammonium nitrate; Ammonium nitrate, urea solution (containing ammonia); Ammonium nitricum; Ammonium saltpeter; Ammonium(I) nitrate (1:1); Ansax; Caswell No. 045; EINECS 229-347-8; EPA Pesticide Chemical Code 076101; German saltpeter; Herco prills; Hero-Prills; HSDB 475; Merco Prills; Nitram; Nitrate d'ammonium; Nitrate of ammonia; Nitrato amonico; Nitric acid, ammonium salt; Norway saltpeter; Old Plantation; UN0222; UN1942; UN2426; Varioform I. Used in fertilizers, explosives, pyrotechnics, herbicides and

insecticides, manufacture of nitrous oxide, absorbent for nitrogen oxides, ingredient of freezing mixtures, oxidizer in solid rocket propellants, nutrient for antibiotics and yeast, catalyst. Transparent, hygroscopic crystals or white granules; mp = 169°; dec at approx. 210° into H_2O and N_2O; d = 1.7250; soluble in H_2O (2 g/ml); pH of 0.1 M solution = 5.43. *Air Products & Chemicals Inc.; Chevron; Faith, Keyes and Clark; LaRoche Ind.; Norsk Hydro AS; Unocal.*

191 Ammonium nonoxynol-4 sulfate

9051-57-4 G



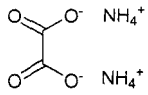
$C_{23}H_{43}NO_8S$

Ammonium salt of sulfated nonylphenoxy POE ethanol.

Alipal CO 436; Alipal EP; Alipal EP 110; Alipal EP 120; Alipal HF-433; Ammonium nonoxynol-4-sulfate; CO 436; Fenopon CO 436; Fenopon EP 110; Fenopon EP 120; Hitenol N 093; HSDB 2687; Newcol 560SF; Nikkol SNP; Nonylphenyl, ethoxylated, monoether with sulfuric acid, ammonium salt; Nonylphenol, ethoxylated, sulfated, ammonium salt; Poly(oxy-1,2-ethanediyl), α-sulfo-ω-(nonylphenoxy)-, ammonium salt; Poly(oxyethylene) nonylphenyl ether ammonium sulfate; Polyethylene glycol nonylphenyl ether ammonium sulfate; Polyethylene glycol nonylphenyl ether ammonium bisulfate; Polyethylene glycol nonylphenyl ether sulfate ammonium salt; Sulfated nonylphenoxypoly(ethylene-oxy)ethanol ammonium salt. High foaming surfactant for emulsion polymerization of acrylic, styrene and vinyl acetate systems, dishwashing detergents, germicides, pesticides, general purpose cleaners and cosmetics. Pale yellow clear liquid; alcoholic odor; soluble In H_2O; slightly soluble in organic solvents; d = 8.9 lb/gal; viscosity = 100 cps.; f.p.<0°; flash pt. (PMCC) 83F; pH 6.5-7.5. *Chemron; Cytec; Rhône Poulenc Surfactants; Stepan.*

192 Ammonium oxalate

6009-70-7 G

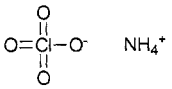


$C_2H_8N_2O_4$

Ethanedioic acid diammonium salt monohydrate.

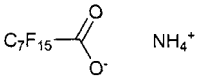
Ammonium oxalate; Diammonium oxalate monohydrate; Ethanedioic acid, diammonium salt, monohydrate. Used in analytical chemistry, safety explosives, manufacture of oxalates, rust and scale removal. Orthohombic odorless crystals or granules; mp = 70°; d = 1.50; soluble in H_2O (11.8 g/100 ml); poisonous. *Brotherton Ltd.; General Chem; Heico; Rhône-Poulenc.*

193 **Ammonium perchlorate**
7790-98-9 544 G



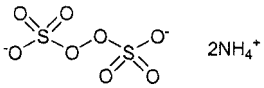
ClH_4NO_4
Perchloric acid ammonium salt.
Ammonium perchlorate; Ammonium perchlorate (NH_4ClO_4); EINECS 232-235-1; HSDB 474; Perchloric acid, ammonium salt; PKHA; UN0402; UN1442. Manufactured in ordnance and industrial grades. d = 1.95; decomposes when heated. *Kerr-McGee.*

194 **Ammonium perfluorocaprylate**
3825-26-1 G



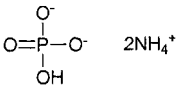
$C_8H_4F_{15}NO_2$
Ammonium perfluorooctanoate.
Ammonium pentadecafluorooctanoate; Ammonium perfluorocaprilate; Ammonium perfluorooctanoate; EINECS 223-320-4; FC-143; Fluorad® FC 143; Fluorad® FC-118; NSC 35120; Octanoic acid, pentadecafluoro-, ammonium salt; Pentadecafluoro-1-octanoic acid, ammonium salt; Perfluoroammonium octanoate; Perfluorooctanoic acid, ammonium salt. Surfactant for emulsion polymerization of fluorinated monomers. *3M Company.*

195 **Ammonium persulfate**
7727-54-0 545 G



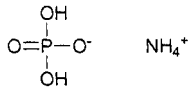
$H_8N_2O_8S_2$
Ammonium Peroxydisulfate.
Ammonium peroxydisulfate; Ammonium persulfate; CCRIS 1430; Diammonium peroxydisulfate; Di-ammonium peroxydisulphate; Diammonium persulfate; EINECS 231-786-5; Peroxydisulfuric acid ($(HO)S(O)_2)_2O_2$), diammonium salt; Peroxydisulfuric acid, diammonium salt; Persulfate d'ammonium; Thioxydant lumire; UN1444. Oxidizer, bleaching agent; photography; etchant for printed circuit boards, copper; electroplating; deodorizing oils; aniline dyes; food preservative; depolarizer in batteries; washing infected yeast; manufacture of other persulfates White crystals; mp = 80° (dec); d = 1.9820; soluble in H_2O (80 g/100 ml); LD_{50} (rat orl) = 689 mg/kg. *Degussa AG; EM Ind. Inc.; FMC Corp.; Sigma-Aldrich Fine Chem.; Solvay Interox Inc.*

196 **Ammonium phosphate dibasic**
7783-28-0 546 G



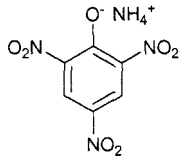
$H_9N_2O_4P$
Diammonium hydrogen phosphate.
AI3-25349; Akoustan A; Ammonium hydrogen phosphate solution; Ammonium monohydrogen orthophosphate; Ammonium orthophosphate dibasic; Ammonium phosphate; Ammonium phosphate ($(NH_4)_2(HPO_4)$); Ammonium phosphate, dibasic; Ammonium phosphate, secondary; Caswell No. 286C; Coaltrol LPA 445; Diammonium acid phosphate; Diammonium hydrogen orthophosphate; Diammonium hydrogen phosphate; Diammonium monohydrogen phosphate; Diammonium orthophosphate; Diammonium phosphate; Dibasic ammonium phosphate; EINECS 231-987-8; Fyrex; HSDB 301; Hydrogen diammonium phosphate; K2 (phosphate); Pelor; Phos-Chek 202A; Phos-Chek 259; Phosphoric acid, diammonium salt; Secondary ammonium phosphate. Used for fireproofing textlies, as a soldering flux and in dentrifices, corrosion inhibitors and fertilizers. Flame retardant for wood, paper, textiles fertilizer, plant nutrient sol'ns., feed additive; flux for soldering, purifying sugar; in ammoniacal dentifrices; manufacture of yeast, vinegar, bread improvers; foods, pharmaceuticals. Crystals; d = 1.6190; soluble in H_2O (59 g/100 ml), insoluble in organic solvents. *Albright & Wilson Americas Inc.; Chisso Corp.; Heico; IMC Fertilizer; LaRoche Ind.; Monsanto Co.; OxyChem; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

197 **Ammonium phosphate monobasic**
7722-76-1 547 G



H_6NO_4P
Ammonium dihydrogen phosphate.
AI3-26062; Ammonium acid phosphate; Ammonium biphosphate; Ammonium diacid phosphate; Ammonium dihydrogen orthophosphate; Ammonium dihydrogen phosphate ($(NH_4)H_2PO_4$); Ammonium monobasic phosphate ($NH_4H_2PO_4$); Ammonium monophosphate; Ammonium orthophosphate dihydrogen; Ammonium phosphate (monobasic); Ammonium phosphate, primary; Ammonium primary phosphate; Dihydrogen ammonium phosphate; EINECS 231-764-5; HSDB 1229; Mono-ammonium acid phosphate; Monoammonium di-hydrogen orthophosphate; Monoammonium dihydrogen phosphate; Monoammonium hydrogen phosphate; Monoammonium orthophosphate; Monoammonium phosphate; Monobasic ammonium phosphate; NSC 57633; Phosphoric acid, monoammonium salt; Primary ammonium phosphate; VTI 57. Used in the manufacture of food products, fertilizer, flame retardants, plant nutrient solutions, manufacture of yeast, vinegar, yeast foods and bread improvers, food additive, analytical chemistry White crystalline powder; mp = 190°; d = 1.8030; soluble in H_2O (40 g/100 ml), less soluble in organic solvents. *Albright & Wilson Americas Inc.; Chisso Corp.; EniChem Am.; Heico; IMC Fertilizer; Monsanto Co.; OxyChem; Rhône-Poulenc; Showa Denko; Sigma-Aldrich Fine Chem.*

198 **Ammonium picrate**
131-74-8 551 G



$C_6H_6N_4O_7$
2,4,6-Trinitrophenol ammonium salt.
Ammonium carbazoate; Ammonium picronitrate; EINECS 205-038-3; Explosive D; HSDB 2070; Obeline picrate; Phenol, 2,4,6-trinitro-, ammonium salt; Picratol; Picric acid, ammonium salt; RCRA waste no. P009; 2,4,6-Trinitrophenol ammonium salt; UN0004; UN1310. Used in explsoives, fireworks and rocket propellants. Crystals; d =

1.72; soluble in H_2O (1 g/100 ml), less soluble in organic solvents.

199 Ammonium polyacrylate

9003-03-6 G

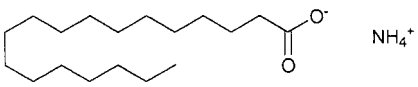
$[C_3H_4O_2]_x\ xH_3N$

2-Propenoic acid, homopolymer, ammonium salt.

Alcogum 9639; Ammonium polyacrylate; Poly(acrylic acid), ammonium salt; 2-Propenoic acid, homopolymer, ammonium salt. Dispersant for paints and coatings; thickening and stabilizing agent for synthetic latices; used in coatings, adhesives, dipped, cast, and molded goods, cements for rug backimg, spraying, spreading, brushing and extruding compounds.

200 Ammonium stearate

1002-89-7 557 G



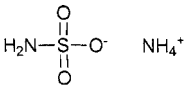
$C_{18}H_{39}NO_2$

n-Octadecanoic acid, ammonium salt.

Ammonium stearate; Ammonium stearate, pure; EINECS 213-695-2; Octadecanoic acid, ammonium salt; Stearates; Stearic acid, ammonium salt. Ammonium salt of stearic acid; used in vanishing creams, brushless shaving creams, other cosmetic products, waterproofing of cements, concrete, stucco, paper, textiles. Waxy solid; mp = 38-42°; soluble in H_2O, organic solvents except Me_2CO, CCl_4. *Magnesia GmbH; Original Bradford Soapworks.*

201 Ammonium sulfamate

7773-06-0 558 G P



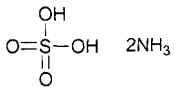
$H_6N_2O_3S$

Sulfamic acid, ammonium salt.

AI3-17753; Amcide; Amicide; Ammate; Ammate X; Ammate X-NI; Ammonia sulfamate; Ammonium amidosulfate; Ammonium amidosulfonate; Ammonium amidosulphate; Ammonium aminosulfonate; Ammonium sulfamate; Ammonium sulfamidate; Ammonium sulphamate; Ammonium sulphamidate; Ammoniumsalz der amidosulfonsaure; Ammoniumsalz der amidosulfonsäure; AMS; Atlacide; Caswell No. 047; EINECS 231-871-7; EPA Pesticide Chemical Code 005501; Feliderm K; Fyran 200 K; Fyran J 3; HSDB 703; Ikurin; Monoammonium sulfamate; Necco Fire Retardant 2750; Necco Fire Retardant 2578; Necco Fire Retardant 2762; Sepimate; Silvacide; Sulfamate d'ammonium; Sulfamic acid, monoammonium salt; Sulfaminsäure; Sulfaminsaure; monoammonium sulfamate; Amcide; Ikurin. Flameproofing agent for textiles and paper; weed and brush killer; electroplating; generation of nitrous oxide. An inorganic herbicide used to control weeds and grasses in vegetables and ornamentals prior to planting and as a tree-killer. Registered by EPA as a herbicide (cancelled). Large hygroscopic plates; mp ■ 132-135°; bp = 160° (dec); soluble in H_2O (225 g/100 ml); pH = 5.2; LD_{50} (rat orl) = 2000 mg/kg. *Battle Hayward & Bower Ltd.; Heico; Nissan Chem. Ind.; Spartan Flame Retardants.*

202 Ammonium sulfate

7783-20-2 559 G



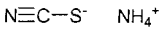
$H_8N_2O_4S$

Sulfuric acid diammonium.

Actamaster; Ammonium hydrogen sulfate; Ammonium sulfate ($(NH_4)_2SO_4$); Ammonium sulfate (2:1); Ammonium sulphate; Caswell No. 048; Diammonium sulfate; Diammonium sulphate; Dolamin; EINECS 231-984-1; EPA Pesticide Chemical Code 005601; HSDB 471; Mascagnite; NSC 77671; Sulfatom ammoniya; Sulfuric acid, diammonium salt. Used in fertilizers, water treatment, fermentation, fireproofing compositions, viscose rayon, tanning, food additive Orthohombic crystals or white granules; d = 1.7690; mp = 280° (dec); soluble in H_2O (77 g/100 ml); insoluble in alcohol, acetone; pH of 0.1 aqueous solution = 5.5; LD_{50} (rat orl) = 2840 mg/kg. *Accurate Chem. & Sci. Corp.; Allied Signal; BASF Corp.; DSM Fine Chem.; General Chem; Heico; Nissan Chem. Ind.; Schaeffer Salt & Chem.; Showa Denko; Sigma-Aldrich Fine Chem.*

203 Ammonium thiocyanate

1762-95-4 564 G



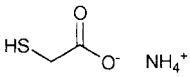
CH_4N_2S

Ammonium rhodanide.

AI3-08542; Ammonium isothiocyanate; Ammonium rhodanate; Ammonium sulfocyanate; Ammonium sulfocyanide; Ammonium thiocyanate; Ammonium-rhodanid; EINECS 217-175-6; HSDB 701; NSC 31184; Rhodanine, ammonium salt; Thiocyanic acid, ammonium salt; Trans-aid; USAF EK-P-433; Weedazol tl. Analytical chemistry; thiourea; fertilizers; photography; in liquid rocket propellants; fabric dyeing; zinc coating; weed killer, defoliant; adhesives; curing resins; pickling iron and steel; electroplating; polymerization catalyst; metals separation. Crystals; mp = 149°; d ■ 1.3050; soluble in H_2O (163 g/100 ml); LD_{50} (rat orl) = 750 mg/kg. *Carbo-Tech GmbH; CK Witco Corp.; Degussa AG.*

204 Ammonium thioglycollate

5421-46-5 H



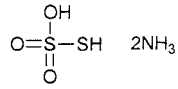
$C_2H_7NO_2S$

Ammonium mercaptoacetate.

Acetic acid, mercapto-, monoammonium salt; AI3-26246; Ammonium mercaptoacetate; Ammonium thioglycolate; Ammonium thioglycollate; EINECS 226-540-9; Mercaptoacetic acid, monoammonium salt; NSC 6954; Thiofaco A-50; Thioglycolic acid ammonium salt; USAF MO-2.

205 Ammonium thiosulfate

7783-18-8 565 G P



$H_8N_2O_3S_2$

Thiosulfuric acid, diammonium salt.

Ammo hypo; Ammonium hyposulfite; Ammonium thiosulfate; Ammonium thiosulphate; Amthio; Caswell No. 048A; Diammonium thiosulfate; EPA Pesticide Chemical Code 080103; HSDB 2688;

Thio-Sul; Thiosulfuric acid, diammonium salt. Photographic fixing agent; analytical reagent; fungicide; reducing agent; brightener in silver plating baths; cleaning compounds for zinc-base die-cast metals; hair waving preparations; fog screens. Also used as a herbicide. Registered by EPA as a herbicide, fungicide and insecticide. Solid; mp = 150° (dec); soluble in H_2O (64 g/100 ml), insoluble in alcohol, ether; LD_{50} (rat orl) = 2890 mg/kg. *Blythe, Williams Ltd.; DuPont; General Chem; National Chelating Co.*

206 Ammonium tungstate

11120-25-5 567 G

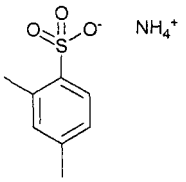
$H_{40}N_{10}O_{41}W_{12}$

Ammonium wolframate.

Ammonium tungstate; Ammonium tungstate(VI); EINECS 234-364-9; Tungstate $(W_{12}(OH)_2O_{41}^{-})$, decaammonium. Preparation of ammonium phosphotungstate and tungsten alloys. Crystals; freely soluble in H_2O. *Climax Molybdenum Co.; Sigma-Aldrich Fine Chem.*

207 Ammonium xylenesulfonate

26447-10-9 G H



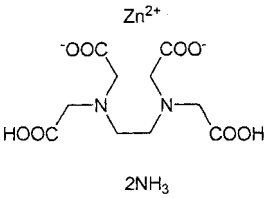
$C_8H_{13}NO_3S$

Benzenesulfonic acid, dimethyl-, ammonium salt.

Ammonium xylenesulfonate; Ammonium xylene-sulphonate; Benzenesulfonic acid, dimethyl-, ammonium salt; EINECS 247-710-9; Eltesol® AX 40; Hartotrope AXS; Naxonate® 4AX; Stepanate® AXS; Xylenesulfonic acid, ammonium salt. Hydrotrope, cloud point depressant, stabilizer, solubilizer used in formulating detergents, inks, electroplating baths, dyestuffs, polymers. *Albright & Wilson UK Ltd.; Hart Prod.; Ruetgers-Nease; Stepan Canada; Stepan.*

208 Ammonium zinc edetate-

67859-51-2 H



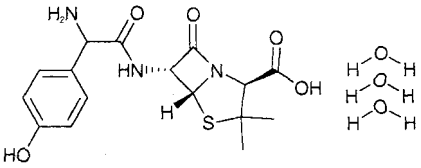
$C_{10}H_{20}N_4O_8Zn$

Glycine, N,N'-1,2-ethanediylbis(N-carboxymethyl)-, di-ammonium zinc salt.

Ammonium zinc edetate; Diammonium ((N,N'-ethyl-enebis(N-(carboxylatomethyl)glycinato))(4-)-N,N',O, O',ON,ON')zincate(2-); EINECS 267-400-7; (Ethylene-dinitrilo)tetraacetato zincate(2-), diammonium salt; Glycine, N,N'-1,2-ethanediylbis(N-carboxy-methyl)-, diammonium zinc salt; Zincate(2-), ((N,N'-1,2-ethanediylbis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-, diammonium, (OC-6-21)

209 Amoxicillin trihydrate

61336-70-7 582 D



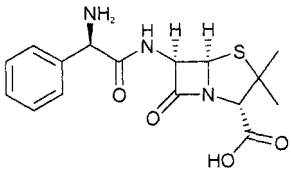
$C_{16}H_{19}N_3O_5S.3H_2O$

[2S-[2α,5α,6β(S*)]]-6-[[Amino(4-hydroxyphenyl)acetyl]-amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid trihydrate.

A-Gram; Alfamox; AM 7; Amodex; Amoksicillin; Amoksicillin forte; Amophar; Amoran; Amoxi-Diolan; Amoxi-wolff; Amoxicillin-ratiopharm; Amoxicillin trihydrate; Amoxicillin; Amoxidal; Amoxil; Amoxillat; Amoxina; Amoxine; Amoxipen; Augmentin; Benzoral; BRL 2333; Ciblor; Clamoxyl; Drg-0075; Dura AX; Flemoxine; Galenamox; Gramidil; Hiconcil; Himinomax; Imacillin; Izoltil; Kentrocyllin; Larotid; Matasedrin; Metifarma; Moxal; Moxaline; Novabritine; Pacetocin; Pamocil; Paradroxil; Polymox; Robamox; Siganopen; Simplamox; Sintopen; Trimox; Uro-clamoxyl; Utimox; Velamox; Wymox; Zamocillin; Zamocilline; Zimox. Antibacterial. Off-white solid; mp - 178-180°; $[\alpha]_D^{20}$= +246° (c = 0.1); λ_m 230, 274 nm (ε 10850, 1400 EtOH); λ_m 229, 272 nm (ε 9500, 1080 0.1N HCl); λ_m = 248, 291 nm (ε 2200, 3000 KOH); soluble in H_2O (0.4 g/100 ml), MeOH (0.75 g/100 ml), EtOH (0.34 g/100 ml); insoluble in C_6H_6, EtOAc, CH_3CN, C_6H_{14}.

210 Ampicillin

69-53-4 591 D G



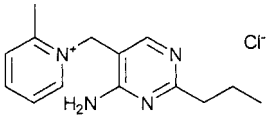
$C_{16}H_{19}N_3O_4S$

[2S-[2α,5α,6β(S*)]]-6-[(Aminophenylacetyl)amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid.

AB-PC; AB-PC Sol; Acillin; Adobacillin; Alpen; Amblosin; Amcill; Amfipen; Amfipen V; Aminobenzylpenicillin; Amipenix S; Ampi-bol; Ampi-Co; Ampi-Tab; Ampichel; Ampicil; Ampicilina; Ampicillin; Ampicillin A; Ampicillin acid; Ampicillin anhydrate; Ampicillina; Ampicilline; Ampicillinum; Ampicin; Ampifarm; Ampikel; Ampimed; Ampipenin; Ampiscel; Ampisyn; Ampivax; Ampivet; Amplacilina; Ampiin; Amplipenyl; Amplisom; Amplital; Ampy-Penyl; Austrapen; AY-6108; AY 6108; BA 7305; Bayer 5427; Binotal; Bonapicillin; Britacil; BRL 1341; Campicillin; Cimex; Copharcilin; D-Cillin; Delcillin; Deripen; Divercillin; Doktacillin; Duphacillin; EINECS 200-709-7; Geocillin; Grampenil; Guicitrina; HI 63; HSDB 3009; Lifeampil; Mixture Name; Morepen; Norobrittin; Novo-ampicillin; NSC-528986; Nuvapen; Olin Kid; Omnipen; Orbicilina; P-50; Pen A; Pen Ampil; Penbristol; Penbritin; Penbritin paediatric; Penbritin syrup; Penbrock; Penicline; Penimic; Pensyn; Pentrex; Pentrexl; Pentrexyl; Pfizerpen A; Polyflex (Veterinary); Ponecil; Princillin; Principen; Qidamp; Racenacillin; Ro-Ampen; Rosampline; Roscillin; Semicillin; Semicillin R; Servicillin; SK-Ampicillin; SQ 17382; Sumipanto; Supen; Synpenin; Texcillin; Tokiocillin; Tolomol; Totacillin; Totalciclina; Totapen; Trifacilina; Ultrabion; Ultrabron; Vampen; Viccillin; Viccillin S; WY-5103; Wypicil. Antibacterial. Anhydrous form, mp = 199-202° (dec); $[\alpha]_D^{23}$= 287.9° (H_2O), soluble in H_2O, DMSO. *Apothecon; Bristol-Myers Squibb Pharm. R&D; Parke-Davis; Wyeth-Ayerst Labs.*

211 *Amprolium hydrochloride*

121-25-5 595 G V



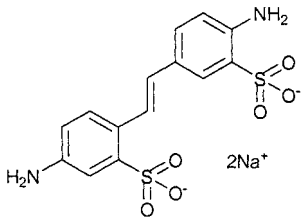
$C_{14}H_{19}ClN_4$

1-[(4-Amino-2-propyl-5-pyrimidinyl)methyl]-2-picolinium chloride.

1-((4-Amino-2-propyl-5-pyrimidinyl)methyl)-2-picolinium chloride; 1-((4-Amino-2-propyl-5-pyrimidinyl)methyl)-2-methylpyridinium chlorid; Amprol, Veterinary; Amprolio; Amprolium; Amprovine; Corid; EINECS 204-458-4; Pancoxin; 2-Picolinium, 1-((4-amino-2-propyl-5-pyrimidinyl)methyl)-, chloride; Pyridinium, 1-((4-amino-2-propyl-5-pyrimidinyl)methyl)-2-methyl-, chloride . Coccidiostat in veterinary medicine. Also used as an antiparasitic in cattle. Soluble in H_2O, MeOH, EtOH, DMF, insoluble in i-PrOH, BuOH, dioxane, Me_2CO, EtOAc, CH_3CN, isooctane; pH 2.5-3.0.

212 Amsonic acid disodium salt

7336-20-1 H



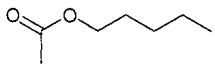
$C_{14}H_{12}N_2Na_2O_6S_2$

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis(5-amino-, disodium salt.

CCRIS 4430; Diaminostilbene disulphonate disodium salt; 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt; p,p'-Diaminostilbene-o,o'-disulfonic acid disodium salt; Disodium 4,4'-diaminostilbene-2,2'-disulphonate; 2,2'-Disulfo-4,4'-stilbenediamine disodium salt; EINECS 230-847-3; Flavonic acid disodium salt; 2,2'-Stilbenedisulfonic acid, 4,4'-diamino-, disodium salt.

213 Amyl acetate

628-63-7 G P



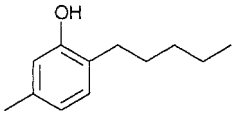
$C_7H_{14}O_2$

n-Pentyl acetate.

4-02-00-00152 (Beilstein Handbook Reference); Acetate d'amyle; Acetic acid, amyl ester; Acetic acid, pentyl ester; AI3-02729; Amyl acetate; Amyl acetate, n-; Amyl acetic ester; Amyl acetic ether; Amylazetat; Amylester kyseliny octove; Banana oil; Birnenoel; BRN 1744753; Caswell No. 049A; Chlordantoin; Dymon SWH Wasp & Hornet Spray; EINECS 211-047-3; EPA Pesticide Chemical Code 000169; Holiday Pet Repellent; Holiday Repellent Dust; HSDB 5126; NSC 7923; Octan amylu; Pear oil; Pent-acetate; Pent-acetate 28; Pentyl acetate; Prim-amyl acetate; Primary amyl acetate; UN1104. Solvent for cellulose acetate in lacquers and paints, extraction of penicillin, photographic film, leather and nail polishes, flavoring agent, printing and finishing fabrics, solvent for phosphors in fluorescent lamps. Registered by EPA as an antimicrobial, herbicide and insecticide (cancelled). At one time it was believed to have a preservative effect when applied to leather, but it is much too volatile to have afforded lasting protection, even if initially effective. Colorless, clear liquid; mp = -70.8°; bp = 149.2°; d^{20} = 0.8756; slightly soluble in H_2O; soluble in CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) ■ 6500 mg/kg. *BP Chem.; Penta Mfg.; Pentagon Chems. Ltd.; Sigma-Aldrich Co.; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

214 Amyl-m-cresol

53043-14-4 611 G



$C_{12}H_{18}O$

6-n-Amyl-m-cresol.

3-06-00-02005 (Beilstein Handbook Reference); Amilmetacresol; 6-Amyl-m-cresol; 6-n-Amyl-m-cresol; Amylmetacresol; Amylmetacresolum; BRN 2440952; m-Cresol, 6-pentyl-; EINECS 215-094-0; 5-Methyl-2-pentylphenol; 6-n-Pentyl-m-cresol; 6-Pentyl-m-cresol; Phenol, 5-methyl-2-pentyl-. Antiseptic, germicide and mold preventative. Oil; mp = 24°; bp_{15} = 137-139°; insoluble in H_2O, soluble in organic solvents.

215 Amylene

513-35-9 612 G H

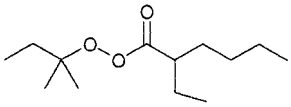
C_5H_{10}

1,1,2-Trimethylethylene.

AI3-37711; Amylene; n-Amylene; 2-Butene, 2-methyl-; EINECS 208-156-3; Ethylene, trimethyl-; HSDB 2072; β-Isoamylene; 2-Methyl-2-butene; 2-Methylbut-2-ene; 3-Methyl-2-butene; NSC 74118; Trimethylethylene; 1,1,2-Trimethylethylene; UN2460. Used in organic synthesis, high-octane fuel manufacture. Volatile liquid; mp = -133.7°; bp ■ 38.58°; d^{20} = 0.6623; λ_m = 205 nm (ε = 851, gas); insoluble in H_2O, soluble in Et_2O, Me_2CO

216 t-Amyl peroxy-2-ethylhexanoate

686-31-7 G



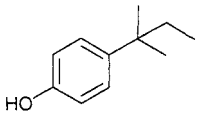
$C_{13}H_{26}O_3$

tert-Pentyl 2-ethylperoxyhexanoate.

t-Amylperoxy 2-ethylhexanoate; EINECS 211-687-3; Hexaneperoxoic acid, 2-ethyl-, 1,1-dimethylpropyl ester; Trigonox® 121. Polymerization initiator. *Akzo Chemie.*

217 4-t-Amylphenol

80-46-6 7220 G P



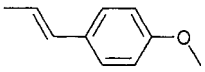
$C_{11}H_{16}O$

4-(1,1-Dimethylpropyl)-1-phenol.

AI3-00460; Amilfenol; Amilphenol; Amyl phenol 4T; BRN 1908224; Caswell No. 050; CCRIS 4693; EINECS 201-280-9; EPA Pesticide Chemical Code 064101; HSDB 5236; NSC 403672; Orthophen® 278; Pentaphen; Phenol, 4-(1,1-dimethylpropyl)-; Phenol, p-(tert-pentyl)-; Ptap; tert-Amylphenol; UCAR amyl phenol 4T. Registered by EPA as an antimicrobial and fungicide. Intermediate for chemical specialties; also in manufacture of photographic chemicals, oil demulsifiers, phenolic resins, agricultural surfactants and antiskinning agents, in germicidal formulations. Crystals; mp = 94 - 95°; bp = 262.5°, bp_{740} = 248 - 250°, bp_{15} = 138.5°, bp_3 = 112 - 120°; d^{20}_4 = 0.962; insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$; LD_{50} (rat orl) ■ 3080 mg/kg. *Athea Laboratories, Inc.; Clariant Corp.; Elf Atochem N. Am.; Huntington Professional Products; Quest Chemical Corp.; Steris Corp.; Walter G. Legge Co Inc.*

218 Anethole

104-46-1 647 G H P



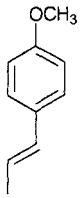
$C_{10}H_{12}O$

1-Methoxy-4-propenylbenzene.

2-06-00-00523 (Beilstein Handbook Reference); Acintene O; AI3-00380; Anethol; Anethole; Anise camphor; Aniskampfer; Anisole, p-propenyl-; BRN 0774229; Caswell No. 051B; CCRIS 6211; EINECS 203-205-5; EPA Pesticide Chemical Code 015604; FEMA Number 2086; HSDB 1427; Isoestragole; Methoxy-4-propenylbenzene; 1-Methoxy-4-(1-prop-enyl)benzene; 1-Methoxy-4-propenylbenzene; Mona-sirup; Nauli gum; NSC 4018; Oil of aniseed; 1-Prop-ene, 1-(4-methoxyphenyl)-; 4-Propenylanisole; p-Prop-enylanisole; Propenylanisole. Anise flavoring material used as a rodenticide. Registered by EPA as a rodenticide (cancelled). [Trans isomer]: Crystals; mp = 21.4°; bp = 234°, bp_{12} = 115°, d^{20}_4 = 0.9883; λ_m = 259 nm (ε = 22,300 EtOH); insoluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, C_6H_6; LD_{50} (rat ip) = 900 mg/kg. [Cis isomer]: $bp_{2.3}$ ■ 79-79.5°; d^{20}_4 = 0.9878; λ_m = 253.5 nm (ε 18,500 EtOH); LD_{50} (rat ip) = 93 mg/kg. *Arizona; Sigma-Aldrich Fine Chem.*

219 Anethole, trans

4180-23-8 647 H



$C_{10}H_{12}O$

trans-1-(4-Methoxyphenyl)-1-propene.

(E)-Anethol; (E)-Anethole; 4-06-00-03796 (Beilstein Handbook Reference); Anethole; Anethole, trans-; Anisole, p-propenyl-, (E)-; Anisole, p-propenyl-, trans-; Benzene, 1-methoxy-4-(1-propenyl)-, (E)-; BRN 0636190; CCRIS 2481; EINECS 224-052-0; FEMA No. 2086; Methoxy-β-methylstyrene, trans-p-; 1-Methoxy-4-(1-propenyl)benzene, (E)-; 1-p-Methoxyphenylpropene, trans-; NSC 209529; Propenylanisole, p-, (E)-; trans-1-(4-Methoxyphenyl)-1-propene; trans-1-(p-Methoxyphenyl)-1-propene; trans-p-Methoxy-β-methylstyrene. Liquid; mp = 21.35°; bp = 234°, bp_{12} = 115°; d^{20} = 0.9882; λ_m = 259 nm (cyclohexane); slightly soluble in H_2O, soluble in Me_2CO, $CHCl_3$, very soluble in C_6H_6, freely soluble in EtOH, Et_2O.

220 Angeliconitrile

20068-02-4 H

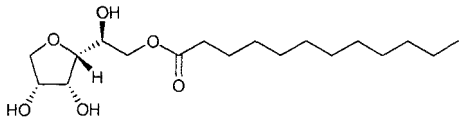
C_5H_7N

2-Butenenitrile, 2-methyl-, (Z)-.

Angelic acid nitrile; Angeliconitrile; 2-Butenenitrile, 2-methyl-, (Z)-; 2-Butenenitrile, 2-methyl-, (2Z)-; Crotononitrile, 2-methyl-, (Z)-; EINECS 243-496-6; HSDB 6156; (Z)-2-Methyl-2-butenenitrile; 2-Methyl-cis-2-butenenitrile; cis-2-Methyl-2-butenonitrile.

221 1,4-Anhydro-D-glucitol 6-dodecanoate

5959-89-7 H



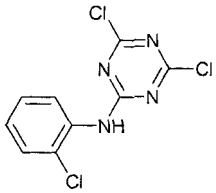
$C_{18}H_{34}O_6$

D-Glucitol, 1,4-anhydro-, 6-dodecanoate.

1,4-Anhydro-D-glucitol 6-dodecanoate; D-Glucitol, 1,4-anhydro-, 6-dodecanoate; D-Glucitol, 1,4-anhydro-, 6-dodecanoate; EINECS 227-534-9.

222 Anilazine

101-05-3 659 G P



$C_9H_5Cl_3N_4$

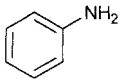
2,4-Dichloro-6-o-chloroanilino-s-triazine.

5-26-08-00019 (Beilstein Handbook Reference); AI3-26058; Anilazin; Anilazine; Aniyaline; B-622; Bortrysan; BRN 0223133; Caswell No. 302; CCRIS 43; (o-Chloroanilino)dichlorotriazine; 2-(2-Chloranilin)-4,6-di-chlor-1,3,5-triazin; 2-Chloro-N-(4,6-dichloro-1,3,5-tri-azin-2-yl)aniline; Dairene®; Dairin®; 2,4-Di-chloro-6-(2-chloroanilino)-1,3,5-triazine; 2,4-Dichloro-6-(o-chloro-anilino)-s-triazine; 4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine; Direx; Direz; Dyrene®; Dyrene® 50W; Dyrene® 50W Triazine; Dyrene® Flüssig; EINECS 202-910-5; ENT 26,058; EPA Pesticide Chemical Code 080811; HSDB 1567; Kemate; NCI-C08684; NSC 3851; 1,3,5-Triazin-2-am-ine, 4,6-dichloro-N-(2-chlorophenyl)-; s-Triazine, 2,4-dichloro-6-(o-chloroanilino)-; Triasym; Triasyn; Tri-azin; Triazine; Zinochlor; (o-chloro-anilino)dichloro-s-triazine; 2-(2-Chloranilin)-4,6-dichlor-1,3,5-triazin; 2-Chloro-N-(4,6-dichloro-1,3,5-triazin-2-yl)aniline; 2,4-dichloro-6-o-chloroanilino-s-tri-azine; 2,4-Dichloro-6-(2-chloroanilino)-1,3,5-triazine; 4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine; Dichloro-6-(o-chloroanilino)-s-triazine; Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine; Direx; Direz; Dyrene; Dyrene 50W; ENT 26,058; EPA Pesticide Chemical Code 080811; HSDB 1567; Kemate; NCI-C08684; NSC 3851; Triasym; Triasyn; Triazin; Triazine; 1,3,5-Triazin-2-amine, 4,6-dichloro-N-(2-chlorophenyl)-; 1,3,5-Triazine, 2,4-dichloro-6-(o-chloroanilino)-; s-Triazine, 2,4-dichloro-6-(o-chloroanilino)-; Zinochlor. Broad spectrum

fungicide used for tobacco, potatoes, cereals and ornamentals. Non-systemic foliar fungicide with protective action used to control blights of potatoes and tomatoes and leafspot diseases in many crops. Registered by EPA as a fungicide (cancelled). White-tan crystals; mp = 159-160°; insoluble in H_2O (0.0008 g/100 ml), Me_2CO (10 g/100 ml), chlorobenzene (6 g/100 ml); C_7H_8 (5 g/100 ml), xylene (4 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (mmus orl) > 5000 mg/kg, (fmus orl) = 3672 mg/kg, (rbt orl) = 460 mg/kg, (cat orl) > 500 mg/kg, (rbt der) > 9400 mg/kg, (rat der) > 5000 mg/kg, (mallard duck orl) > 2000 mg/kg, (Japanese quail orl) =2500 - 3750 mg/kg, (ckn orl) = 3750 - 5000 mg/kg, (canary orl) > 1000 mg/kg; LC_{50} (rat ihl 1 hr.) > 0.228 mg/l air, (bluegill sunfish, goldfish, carp 96 hr.) < 1.0 mg/l, (rainbow trout 48 hr.) = 0.15 mg/l; non-toxic to bees. *Bayer AG; Sigma-Aldrich Co.*

223 Aniline

62-53-3 661 G H



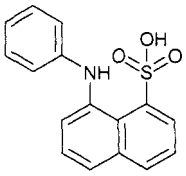
C_6H_7N

Benzenamine.

AI3-03053; Aminobenzene; Aminophen; Anilin; Anilina; Aniline; Aniline oil; Anyvim; Arylamine; Benzenamine; Benzene, amino; Benzidam; Blue Oil; C.I. 76000; C.I. Oxidation Base 1; Caswell No. 051C; CCRIS 44; CI 76000; CI Oxidation Base 1; Cyanol; EINECS 200-539-3; EPA Pesticide Chemical Code 251400; HSDB 43; Huile d'aniline; Krystallin; Kyanol; NCI-C03736; Phenylamine; RCRA waste number U012; UN 1547. Isolated from coal tar. Used as an intermediate in the manufacture of dyestuffs and pharmaceuticals. Oil; mp = -6°; bp = 184°; d = 1.0220; soluble in H_2O (3 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 0.44 g/kg. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

224 1-Anilino-8-naphthalenesulfonic acid

82-76-8 664 G



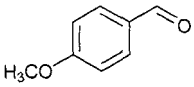
$C_{16}H_{13}NO_3S$

1-Phenyl-naphthylamine-8-sulfonic acid.

1-Anilino-8-napthalenesulfonate; 1-Anilino-8-naphtha-lene-sulfonate; Anilinonaphthalenesulfonic acid; 8-Anil-ino-1-naphthalenesulfonic acid; 8-Anilinonaphthalene-1-sulphonic acid; ANS; EINECS 201-438-7; 1-Naphthalenesulfonic acid, 8-anilino-; 1-Naphtha-lenesulfonic acid, 8-(phenylamino)-; NSC 1746; Peri acid, phenyl-; 1-(Phenylamino)-8-naphthalenesulfonic acid; Phenylperi acid. Fluorescent probe used in protein conformation studies. Crystals; mp = 215-217°.

225 p-Anisaldehyde

123-11-5 666 G H



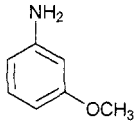
$C_8H_8O_2$

4-Methoxybenzaldehyde.

AI3-00223; Anisaldehyde; Anisic aldehyde; Aubepine; Benzaldehyde, 4-methoxy-; Caswell No. 051E; CCRIS 821; Crategine; EINECS 204-602-6; FEMA No. 2670; Formylanisole, p-; HSDB 2641; 4-Methoxybenzaldehyde; NSC 5590; Obepin. Used in perfumery. Liquid; mp = o°; bp = 248°, bp_{12} = 134°; d^{15} = 1.119; λ_m ▪ 273 nm (MeOH); insoluble in H_2O, soluble in C_6H_6, very soluble in Me_2CO, $CHCl_3$, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1510 mg/kg.

226 m-Anisidine

536-90-3 G



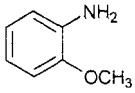
C_7H_9NO

3-Methoxy-1-aminobenzene.

4-13-00-00953 (Beilstein Handbook Reference); AI3-52519; 1-Amino-3-methoxybenzene; 3-Aminoanisole; m-Aminoanisole; 3-Anisidine; m-Anisidine; m-Anisylamine; Benzenamine, 3-methoxy-; Benzenamine, 3-methoxy-; BRN 0386119; CCRIS 5886; EINECS 208-651-4; m-Methoxyaniline; 3-Methoxyaniline; 3-Methoxy-benzenamine; NSC 7631. Chemical intermediate. Liquid; mp = -1°; bp = 251°; d^{20} = 1.0960; λ_m = 285 nm (cyclohexane); slightly soluble in H_2O, CCl_4, soluble in EtOH, Et_2O, Me_2CO, C_6H_6. *Penta Mfg.; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

227 o-Anisidine

90-04-0 G H



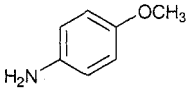
C_7H_9NO

Benzenamine, 2-methoxy-.

4-13-00-00806 (Beilstein Handbook Reference); AI3-08584; o-Aminoanisole; o-Anisidine; o-Anisylamine; Benzenamine, 2-methoxy-; BRN 0386210; CCRIS 768; EINECS 201-963-1; HSDB 2073; o-Methoxyaniline; o-Methoxyphenylamine; NSC 3122. Chemical intermediate. Liquid; mp = 6.2°; bp ▪ 224°; d^{20} = 1.0923; λ_m = 237 nm (ε = 8511, cyclohexane); soluble in EtOH, Et_2O, Me_2CO, less soluble in H_2O; LD_{50} (rat orl) = 2 g/kg. *Penta Mfg.; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

228 p-Anisidine

104-94-9 G



C_7H_9NO

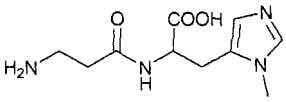
4-Methoxy-1-aminobenzene.

AI3-02392; 4-Aminoanisole; p-Aminoanisole; 1-Amino-4-methoxybenzene; Aniline, 4-methoxy-; Aniline, p-methoxy-; 4-Anisidine; p-Anisidine; Anisole, p-amino-; p-Anisylamine; Benzenamine, 4-methoxy-; CCRIS 917; p-Dianisidine; EINECS 203-254-2; HSDB 1603; 4-Methoxy-1-aminobenzene; 4-Methoxy-aniline; p-Methoxyaniline; 4-Methoxybenzenamine; p-Methoxyphenylamine;

NSC 7921. Intermediate in chemical manufacturing. Plates; mp = 57.2°; bp = 243°; d^{57} = 1.071; λ_m = 235, 300 nm (MeOH); soluble in H_2O, Me_2CO, C_6H_6, very soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1400 mg/kg. *Penta Mfg.; Rhône-Poulenc; Rhone-Poulenc UK; Sigma-Aldrich Fine Chem.*

229 Anserine

584-85-0 683 G



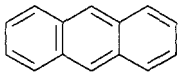
$C_{10}H_{16}N_4O_3$

β-Alanyl 3-methyl L-histidine.

Anserine; EINECS 209-545-0; N-β-Alanyl-3-methyl-L-histidine; L-Anserine; L-Histidine, N-β-alanyl-3-methyl-. A natural peptide from muscle. Used in biochemical research. [L-form]; Needles; mp = 240-242°; $[\alpha]_D^{30}$= +12.3° (c = 5); freely soluble in H_2O, soluble in MeOH, slightly soluble in EtOH.

230 Anthracene

120-12-7 687 G



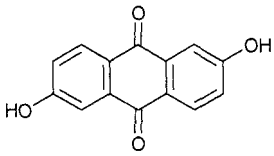
$C_{14}H_{10}$

Paranaphthalene.

AI3-00155; Anthracen; Anthracene; Anthracin; Bis-alkylamino anthracene; CCRIS 767; Coal tar pitch volatiles: anthracene; EINECS 204-371-1; Green Oil; HSDB 702; NSC 7958; Paranaphthalene; Sterilite Hop Defoliant; Tetra Olive N2G. Anthracene oil; used for chemical stripping in hop vines. Prisms; mp = 215.0°; bp = 339.9°; d^{25} = 1.28; λ_m = 218, 220, 250, 296, 309, 322, 338, 355, 276 nm (ε = 11700, 11800, 20000, 531, 1230, 2750, 5290, 7770, 7590, MeOH); insoluble in H_2O, slightly soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, $CHCl_3$, C_7H_8, CS_2.

231 Anthraflavic acid

84-60-6 G



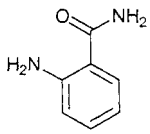
$C_{14}H_8O_4$

2,6-Dihydroxyanthraquinone.

4-08-00-03272 (Beilstein Handbook Reference); 9,10-Anthracenedione, 2,6-dihydroxy-; Anthraflavic acid; Anthraflavin; Anthraquinone, 2,6-dihydroxy-; BRN 2054127; CCRIS 5593; EINECS 201-544-3; NSC-33531. Used as a basis for pigments and dyestuffs. Solid; mp > 320°.

232 Anthranilamide

88-68-6 H



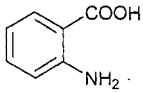
$C_7H_8N_2O$

Benzamide, 2-amino-.

4-14-00-01010 (Beilstein Handbook Reference); AI3-28018; Aminobenzamide; o-Aminobenzamide; Anthra-nilamide; Anthranilimidic acid; Benzamide, 2-amino-; Benzamide, o-amino-; Benzoic acid, 2-amino-, amide; BRN 0508509; EINECS 201-851-2; HSDB 5261; NSC 38768. Has antiviral activity; see USP 5,763,464. Also has anti-coagulant properties (USP 6,498,185). Solid; mp ≈ 110.5°; bp = 300°; λ_m = 213, 248 nm (MeOH); very soluble in EtOAc, soluble in H_2O, EtOH, less soluble in Et_2O, C_6H_6. *BASF Corp.; La-Co Industries; Ludger*

233 Anthranilic acid

118-92-3 421 G



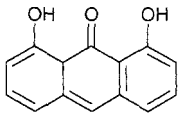
$C_7H_7NO_2$

o-Aminobenzoic acid.

4-27-00-07875 (Beilstein Handbook Reference); AA; AI3-02408; o-Aminobenzoic acid; ortho-Aminobenzoic acid; 2-Aminobenzoic acid; 1-Amino-2-carboxybenzene; Anthranilic acid; o-Anthranilic acid; Benzoic acid, 2-amino-; Benzoic acid, o-amino-; BRN 0471803; 2-Carboxyaniline; o-Carboxyaniline; Caswell No. 033G; CCRIS 49; EINECS 204-287-5; HSDB 1321; Kyselina anthranilova; Kyselina o-aminobenzoova; NCI-C01730; NSC 144; Vitamin L1. Antioxidant for fats, greases, lube oils and polyamides. Sludge preventative in furnace and lube oils. Chelating agent and sequestrant. Corrosion inhibitor. Stabilizer of can lacquers, oils and lubricants. Used as a dye intermediate. mp = 146.5°; d^{20} = 1.412; slightly soluble in C_6H_6, soluble in H_2O (5.7 g/l), EtOH, Et_2O, very soluble in $CHCl_3$, TFA, C_5H_5N; LD_{50} (mus orl) = 1400 mg/kg. *PMC.*

234 Anthranol

1143-38-0 689 G



$C_{14}H_{10}O_3$

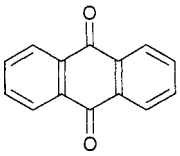
9(10H)-Anthracenone, 1,8-dihydroxy-.

4-06-00-07602 (Beilstein Handbook Reference); 9(10H)-Anthracenone, 1,8-dihydroxy-; Anthra-Derm; Anthralin; Anthrone, 1,8-dihydroxy-; Batridol; BRN 2054360; CCRIS 628; Chrysodermol; Cignolin; Cigthranol; 1,8-Dihydroxyanthracen-9(10H)-one; 1,8-Dihydroxy-anthrone; 1,8-Dihydroxy-9-anthrone; Dithranol; Dithranolum; EINECS 214-538-0; NSC 43970; Psoriacid-Stift. Anthranol is a smooth soft ointment containing anthralin (in 0.4, 1.0 and 2.0 strengths) w/w in a base containing cetyl alcohol, liquid paraffin, soft white paraffin and sodium sulfate with salicylic acid; used for the topical treatment of subacute and chronic psoriasis including psoriasis of the scalp. Yellow plates; mp = 179°; λ_m = 256, 288 nm (ε = 11400, 9290, MeOH); insoluble in H_2O, slightly soluble in Et_2O, soluble in EtOH, Me_2CO, C_6H_6, ligroin, dil. NaOH, very

soluble in $CHCl_3$, C_5H_5N. *Stiefel Labs Inc.*

235 Anthraquinone

84-65-1 692 G P



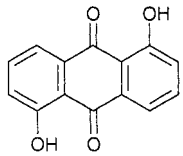
$C_{14}H_8O_2$

9,10-Anthracenedione.

AI3-09073; Anthracene, 9,10-dihydro-9,10-dioxo-; Anthradione; Anthrapel; Anthraquinone; Bis-alkylamino anthraquinone; Caswell No. 052A; CCRIS 649; Corbit; EINECS 201-549-0; EPA Pesticide Chemical Code 122701; Hoelite; HSDB 2074; Morkit; NSC 7957. Bird repellent, used to protect seed stocks. Also used as an intermediate for dyes and organics, discharging auxiliary for textiles and an organic inhibitor. Yellow crystals; mp = 286°; bp = 377°; d^{20} = 1.438; λ_m = 206, 251, 272, 319, 380, 399, 420 nm (ε = 19498, 56234, 16982, 5370, 110, 89, 60 cyclohexane), 205, 252, 273, 325, (ε = 24547, 42658, 14125, 4266 EtOH); slightly soluble in H_2O (0.00006 g/100 ml), soluble in $CHCl_3$ (0.90 g/100 ml), C_6H_6 (0.23 g/100 ml), EtOH (0.35 g/100 ml), C_7H_8 (0.26 g/100 ml), Et_2O (0.08 g/100 ml); LD_{50} (rat, mus orl) > 5000 mg/kg, (rat der) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 1.3 mg/l air. *Bayer Corp.; Buckton Scott Ltd.; Generic; ICI Americas Inc.*

236 Anthrarufin

117-12-4 694 G



$C_{14}H_8O_4$

1,5-Dihydroxyanthraquinone.

4-08-00-03268 (Beilstein Handbook Reference); 9,10-Anthracenedione, 1,5-dihydroxy-; Anthraquinone, 1,5-dihydroxy-; Anthrarufin; BRN 1881718; CCRIS 3150; 1,5-Dihydroxyanthrachinon; 1,5-Dihydroxy-9,10-anthra-quinone; EINECS 204-175-6; NSC 7211. Intermediate in dyestuffs manufacture. Pale yellow platelets; mp = 280° (dec); bp sublimes; λ_m = 250, 420 nm (ε = 39811, 20893, MeOH); insoluble in H_2O, slightly soluble in EtOH, Et_2O, Me_2CO, CS_2; soluble in C_6H_6, conc. H_2SO_4.

237 Antimony

7440-36-0 698 G

Sb

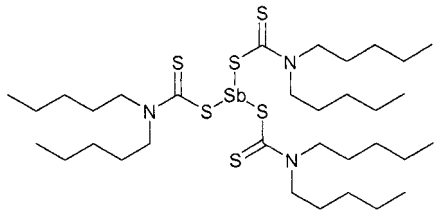
Sb

Antimony.

Antimony; Antimony Black; Antimony, elemental; Antimony, metallic; Antimony powder; Antimony, regulus; Antymon; CI 77050; EINECS 231-146-5; HSDB 508; Regulus of antimony; Stibium; Stibium metallicum; UN2871. Hardening alloy for lead, bearing metal, type metal, solder, collapsible tubes and foil, sheet and pipe, semiconductor technology, pyrotechnics. mp = 630°; bp = 1635°; d = 6.68; LD_{50} (rat orl) = 100 mg/kg. *Amspec Chem.; Atomergic Chemetals; Sigma-Aldrich Fine Chem.*

238 Antimony diamyldithiocarbamate

15890-25-2 H



$C_{33}H_{66}N_3S_6Sb$

Tris(dipentyldithiocarbamato-S,S')antimony.

Antimony diamyldithiocarbamate; Antimony, tris-(dipentylcarbamodithioato-S,S')-, (OC-6-11)-; Carbamic acid, dipentyldithio-, tris(anhydrosulfide) with thioantimonic acid (H_3SbS_3); EINECS 240-028-2; Tris(dipentyldithiocarbamato-S,S')antimony.

239 Antimony oxide

1327-33-9 G

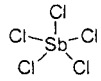
O_3Sb_2

Antimony(III) trioxide.

EINECS 215-474-6; Timonox; Diantimony trioxide; Exitelite; Flowers of antimony; NCI-C55152; Thermoguard B; Thermoguard S. Used as a pigment and flame-proofant and in manufacture of tartar emetic. Also RN 1309-64-4. Solid; mp = 655°; bp = 1425°; d = 5.2000. *Anzon.*

240 Antimony pentachloride

7647-18-9 701 G



Cl_5Sb

Antimony (V) chloride.

Antimoine (pentachlorure d'); Antimonio (pentacloruro di); Antimonpentachlorid; Antimony chloride; Antimony chloride ($SbCl_5$); Antimony pentachloride; Antimony perchloride; Antimony(V) chloride; Antimoonpenta-chloride; CCRIS 4496; EINECS 231-601-8; HSDB 444; Pentachloroantimony; Pentachlorure d'antimoine; Perchlorure d'antimoine; UN1730; UN1731. For analytical testing of alkaloids and cesium; dyeing intermediates; as chlorine carrier in organic chlorinations. Crystals; mp = 2-4°; bp = 140°; Corrosive. *Atomergic Chemetals; Hoechst Celanese; Sigma-Aldrich Fine Chem.*

241 Antimony pentafluoride

7783-70-2 702 G

F_5Sb

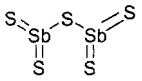
Antimony (V) fluoride.

Antimony fluoride; Antimony (V) fluoride; Antimony fluoride (SbF_5); Antimony pentafluoride; Antimony(V) fluoride; Antimony(V) pentafluoride; EINECS 232-021-8; HSDB 442; Pentafluoroantimony; UN1732. Catalyst and/or source of fluorine in fluorination reactions.

Moderately viscous liquid; toxic; mp = 8.3°; bp = 141°; $d^{25.8}$ ◘ 3.097. *Allied Signal; Atomergic Chemetals; Elf Atochem N. Am.*

242 Antimony pentasulfide

1315-04-4 703 G



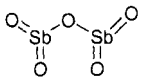
S_5Sb_2

Antimony(V) sulfide.

Antimonial saffron; Antimonic sulfide; Antimony pentasulfide; Antimony Red; Antimony sulfide; Antimony sulfide (Sb_2S_5); Antimony sulfide golden; C.I. 77061; Diantimony pentasulphide; EINECS 215-255-5; Golden antimony sulfide; Sulfur gold. Red pigment, used as a pigment; for vulcanizing and coloring rubber and in matches and fireworks. Orange-yellow powder; insoluble in H_2O; soluble in conc. HCl, solns of alkali hydroxides or sulfides; LD_{50} (rat orl) = 150 mg Sb/100 g. *Atomergic Chemetals.*

243 Antimony pentoxide

1314-60-9 704 G



O_5Sb_2

Antimony(V) oxide.

A 1530 (metal oxide); A 1550; A 2550; AGO 40; Anchimonzol A 2550; Antimonic oxide; Antimony oxide (Sb_2O_5); Antimony pentaoxide; Antimony pentoxide; Apox S; CCRIS 4497; Diantimony pentaoxide; Diantimony pentoxide; EINECS 215-237-7; HFR 201; Nyacol 1550; Nyacol A 1590; Nyacol ADP 480; Nyacol ADP 494; Nyacol AGO 40; Sanka Anchimonzol A 2550M; Stibic anhydride; Sun Epoch NA 3080P; Sun Epoch NA 3070P; Sun Epoch NA 100; Suncolloid AME 130; Suncolloid AMT 130; Timonox. Used as a flame retardant in clothing. Yellow powder; d = 3.78; slightly soluble in H_2O; LD_{50} (rat ip) = 4 g/kg. *Anzon.*

244 Antimony trichloride

10025-91-9 713 G

Cl_3Sb

Antimony(III) chloride.

AI3-04463; Antimoine (trichlorure d'); Antimonio (tricloruro di); Antimonous chloride; Antimontrichlorid; Antimony butter; Antimony chloride; Antimony chloride ($SbCl_3$); Antimony trichloride; Antimony(III) trichloride; Antimoontrichlride; Butter of antimony; C.I. 77056; Caustic antimony; CCRIS 4494; Chlorid antimonity; Chlorure antimonieux; CI 77056; EINECS 233-047-2; HSDB 439; Stibine, trichloro-; Trichlorostibine; Trichlorure d'antimoine; UN1733; Alferric; Aluminoferric. Used in manufacture of antimony salts, bronzing iron, mordant, manufacture of lakes, chlorinating agent in organic synthesis, pharmaceuticals, fireproofing textiles, analytical reagent. Needles; mp = 73°, bp = 223.5°, bp_{70} ◘ 143.5°, bp_{11} = 102°; soluble in H_2O (10 g/100 ml), $CHCl_3$ (22 g/100 ml), EtOH, C_6H_6, CS_2, Et_2O, Me_2CO, CCl_4. *Akzo Chemie; Hoechst Celanese; Nihon Kagaku Sangyo; Sigma-Aldrich Fine Chem.*

245 Antimony trioxide

1309-64-4 717 G

Sb_2O_3

Antimony(III) oxide.

A 1588LP; Amspec-KR; Amsperse; AN 800; Antimonious oxide; Antimony Bloom 100A; Antimony Bloom 500A; Antimony oxide; Antimony oxide (Sb_2O_3); Antimony Oxide High Tint, Low Tint, Ultrapure, Very High Tint; Antimony sesquioxide; Antimony trioxide; Antimony White; Antimony(3+) oxide; Antox; AO;A 1582; AP 50; AP 50 (metal oxide); AT 3 (fireproofing agent); AT 3B; Atox B; Atox F; Atox R; Atox S; C.I. 77052; C.I. Pigment White 11; CCRIS 4495; Chemetron fire shield; CI 77052; CI Pigment white 11; Cooksons; Dechlorane A-O; Dechlorane A-O; Diantimony trioxide; EINECS 215-175-0; Exitelite; Fireshield FSPO 405; FireShield H; FireShield LS-FR; Flame Cut 610; Flame Cut 610R; Flameguard VF 59; Flowers of antimony; HM 203P; HSDB 436; LS-FR; LSB 80; MIC 3; Microfine A 05; NCI-C55152; Nyacol A 1510LP; Nyacol A 1530; Octoguard FR 10; Patox C; Patox H; Patox L; Patox M; Patox S; Senarmontite; Stibiox MS; Thermoguard B; Thermoguard L; Thermoguard S; Thermoguard® L; Thermoguard® UF; Timonox; Timonox; Timonox Blue Star; Timonox White Star; Twinkling star; UltraFine® II; Valentinite; Weisspiessglanz; White star; Fireshield® H, HPM, HPM-UF, L; Fyraway; Fyrebloc; KR; Octoguard FR-10; Petcat R-9; Thermoguard® HPM, HPM-UF, L, S, UF; Ultrafine® II. A synergistic agent for fire-retardant plastics. Flame retardant for water-based polymer compounds such as latex adhesives, binders, coatings, foams and for liquid systems, e.g., unsaturated polyesters, epoxies, PU, phenolics, textile treatments; produces minimum loss of physical properties in ABS. Crystals; mp = 655°; bp = 1425°; slightly soluble in H_2O; soluble in KOH, HCl and sulfuric acid, strong alkalis; d = 5.67; LD_{50} (rat orl) >20 g/kg. *Alfa Aesar; Asarco; Ashland; Fluka; Hoechst AG; Johnson Matthey; Lukens; Miljac; Nihon Kagaku Sangyo; Noah Chem.; Punda Mercantile; Reade Advanced Materials; Royal H. M.; Sigma-Aldrich Fine Chem.*

246 Antimony trisulfide

1345-04-6 G

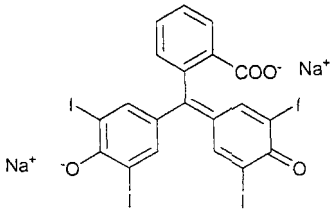
Sb_2S_3

Antimony(III) sulfide.

AI3-00983; Antimonous sulfide; Antimony Orange; Antimony sesquisulfide; Antimony sulfide; Antimony sulfide (Sb_2S_3); Antimony sulphide; Antimony trisulfide; Antimony trisulfide colloid; Antimony vermilion; Antimony(3+) sulfide; Black antimony; C.I. 77060; C.I. Pigment Red 107; CI 77060; CI Pigment Red 107; Crimson antimony; Crimson antimony sulphide; Diantimony trisulfide; EINECS 215-713-4; HSDB 1604; Lymphoscan; Needle antimony; Stibnite. Vermilion or yellow pigment, used to produce antimony salts, in pyrotechnics, matches, percussion caps, camouflage paints and ruby glass. *Atomergic Chemetals; BASF Corp.*

247 Apagallin

2217-44-9 5060 G



$C_{20}H_8I_4Na_2O_4$

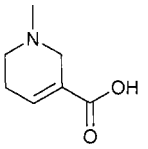
Tetraiodophenol-phthalein.

Antinosin; Bilitrast; Cholepulvis; Cholumbrin; EINECS 218-715-3; Foriod; Galisol; Iodeikon; Iodoftaleina sodica; Iodognost;

Iodognostum; Iodophene sodium; Iodophtaleine sodique; Iodophthalein sodium; Iodophthaleinum natricum; Iodorayoral; Iodotetragnost; Iodtetragnost; Keraphen; Nosophene sodium; Opacin; Oral-Tetragnost; Phenolphthalein, 3',3",5',5"-tetraiodo-, disodium salt; Photobiline; Piliophen; Radiotetrane; Shadocol; Soluble iodophthalein; Sombrachol; Stipolac; Tetiothalein sodium; Tetraiode; Tetraiodophenolphthalein sodium; Tetraiodophthalein sodium; Tipps; Videophel. Radiopaque medium, used as a diagnostic aid in cholecystography. Also an antiseptic and acid-base indicator.

248 Arecaidine

499-04-7 782 G



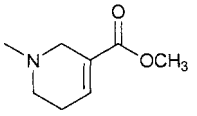
$C_7H_{11}NO_2$

1,2,5,6-tetrahydro-1-methyl-3-pyridinecarboxylic acid.

5-22-01-00322 (Beilstein Handbook Reference); Arecaidine; Arecaine; BRN 0112366; Methylguvacine; N-Methylguvacine; Nicotinic acid, 1,2,5,6-tetrahydro-1-methyl-; NSC 76017; 3-Pyridinecarboxylic acid, 1,2,5,6-tetrahydro-1-methyl-; 1,2,5,6-Tetrahydro-1-methylnico-tinic acid; 1,2,5,6-Tetrahydro-1-methyl-3-pyridine-carboxylic acid. Isolated from betel nuts. Plates or tablets, mp = 232° (dec)insoluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, very soluble in H_2O.

249 Arecoline

63-75-2 783 G V



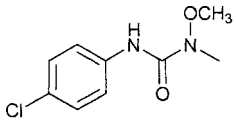
$C_8H_{13}NO_2$

Methyl 1,2,5,6-tetrahydro-1-methylnicotinate.

5-22-01-00322 (Beilstein Handbook Reference); Arecaidine methyl ester; Arecaline; Arecholine; Arecolin; Arecoline; Arekolin; BRN 0123045; CCRIS 7688; EINECS 200-565-5; Methyl N-methyl-1,2,5,6-tetrahydro-nicotinate; 1-Methyl-$\Delta^{3,4}$-tetrahydro-3-pyridinecarbox-ylate; Methyl N-methyltetrahydronicotinate; Methyl-arecaiden; N-Methyltetrahydronicotinic acid, methyl ester; N-Methyitetrahydropyridine-β-carboxylic acid methyl ester; Nicotinic acid, 1,2,5,6-tetrahydro-1-methyl-, methyl ester; NSC 56321; 3-Pyridinecarboxylic acid, 1,2,5,6-tetrahydro-1-methyl-, methyl ester; 1,2,5,6-Tetrahydro-1-methylnicotinic acid, methyl ester; 1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid methyl ester. Used in veterinary medicine as an anthelmintic effective against Cestodes. Oil; bp = 209°; d^{20} ■ 1.0495; n_D^{20}= 1.4302; LD_{50} (mus sc) = 100 mg/kg. *Boehringer Ingelheim Vetmedica Inc.*

250 Aresin

1746-81-2 G P



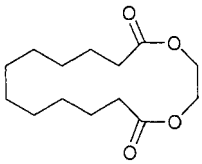
$C_9H_{11}ClN_2O_2$

N'-(4-chlorophenyl)-N-methoxy-N-methylurea.

Aresin; Arezin; Arezine; BRN 2212523; Caswell No. 207D; 3-(4-Chlorophenyl)-1-methoxy-1-methylurea; 3-(4-Chlorphenyl)-1-methoxy-1-methylharnstoff; N-(4-Chloro-phenyl)-N'-methoxy-N-methylurea; EINECS 217-129-5; EPA Pesticide Chemical Code 207500; HOE 02747; HOE 2747; HSDB 5030; Monolinuron; Monorotox; Premalin; Urea, 3-(p-chlorophenyl)-1-methoxy-1-methyl-; Urea, N'-(4-chlorophenyl)-N-methoxy-N-methyl-. Selective systemic herbicide used to control broad-leaved weeds and some annual grasses in vegetable crops such as potatoes and leeks. Crystals; mp = 80-83°; soluble in H_2O (735 mg/l), organic solvents; LD_{50} (rat orl) = 1660 mg/kg. *Hoechst UK Ltd.*

251 Arova 16

54982-83-1 G



$C_{14}H_{24}O_4$

1,4-Dioxacyclohexadecane-5,16-dione.

4-19-00-01935 (Beilstein Handbook Reference); BRN 0199405; Cyclic ethylene dodecanedioate; 1,4-Dioxacyclohexadecane-5,16-dione; EINECS 259-423-6; Ethylene cyclic dodecanedioate; Ethylenedodecane-dioate; Muskonate. Musk perfume. Oriental; Sandal-wood; Amber; Woody; Musk. Not Found In Nature. *Hüls AG.*

252 Arsenic

7440-38-2 802 G

As

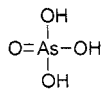
As

Arsenic.

Arsen; Arsenic; Arsenic-75; Arsenic Black; Arsenic, elemental; Arsenic, inorganic; Arsenicals; CCRIS 55; Colloidal arsenic; EINECS 231-148-6; Fowler's Solution; Gray arsenic; Grey arsenic; HSDB 509; Metallic arsenic; UN1558. Metallic form: alloying additive for metals, especially lead and copper as shot, battery grids, cable sheaths; high-purity semiconductor grade: manufacture of gallium arsenide for dipoles and other electronic devices; doping agent; solders; medicine. mp = 818°; soluble in H_2O; d = 4.700. *Atomergic Chemetals; Sigma-Aldrich Fine Chem.; Whiting Peter Ltd.*

253 Arsenic acid

7778-39-4 803 G P



AsH_3O_4

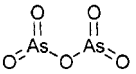
Orthoarsenic Acid.

Acide arsenique liquide; Aresenid; Arsenate; Arsenic acid; Arsenic acid (H_3AsO_4); Caswell No. 056; CCA Type C; Chemonite Part A; Crab grass killer; Desiccant L-10; EINECS 231-901-9; EPA Pesticide Chemical Code 006801; Hi-Yield Dessicant H-10; HSDB 431; Hy-Yield H-10; Orthoarsenic acid; Poly Brand Dessicant; RCRA waste number P010; Scorch; UN1553; UN1554; Zotox; Zotox Crab Grass Killer. Arsenic acid solution; wood preservative and chemical intermediate. Registered by EPA as a herbicide. Solid; mp = 35°; bp = 160°; soluble in H_2O (16.7 g/100 ml); LD_{50} (rbt iv) = 6 mg/kg.

Mechema Chemicals Ltd.

254 Arsenic pentoxide

1303-28-2 808 G P



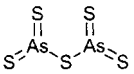
As_4O_{10}

Arsenic oxide.

Anhydride arsenique; Arsenic acid anhydride; Arsenic anhydride; Arsenic oxide; Arsenic oxide (As_2O_5); Arsenic pentaoxide; Arsenic pentoxide; Arsenic(5+) oxide; Arsenic(V) oxide; Caswell No. 057; Diarsenic pentaoxide; Diarsenic pentoxide; EINECS 215-116-9; EPA Pesticide Chemical Code 006802; HSDB 429; RCRA waste number P011; UN1559. Used in insecticides; dyeing and printing; as a weed killer; in colored glass and metal adhesives. Yellow-white solid; mp = 315°; d = 4.3200; soluble in H_2O, alcohol; LD_{50} (rat orl) = 8 mg/kg. *Atomergic Chemetals; Lancaster Synthesis Co.*

255 Arsenic sulfide

1303-34-0 807 G



As_2S_5

Arsenic pentasulfide.

Arsenic pentasulfide; Arsenic sulfide; Arsenic sulfide (As_2S_5). Used in paint pigments, light filters and manufacture of other arsenic compounds. Brown solid; Insoluble in H_2O. *Atomergic Chemetals.*

256 Arsenic trichloride

7784-34-1 810 G

$AsCl_3$

Arsenic(III) chloride.

Arsenic butter; Arsenic chloride; Arsenic chloride ($AsCl_3$); Arsenic trichloride; Arsenic(III) chloride; Arsenic(III) trichloride; Arsenious chloride; Arsenous chloride; Arsenous trichloride; Butter of arsenic; Caustic arsenic chloride; Caustic oil of arsenic; Chlorure arsenieux; Chlorure d'arsenic; EINECS 232-059-5; Fuming liquid arsenic; HSDB 422; Trichloroarsine; Trichlorure d'arsenic; UN1560. Intermediate for organic arsenicals (pharmaceuticals, insecticides), ceramics. Liquid; mp = -9°; bp = 130.21°; d = 2.1497; n_D^{20}=1.6006; reacts with H_2O, soluble in organic solvents. *Atomergic Chemetals; Noah Chem.*

257 Arsenic trifluoride

7784-35-2 811 G

AsF_3

Arsenic(III) fluoride.

Arsenic fluoride; Arsenic fluoride (AsF_3); Arsenic trifluoride; Arsenous fluoride; Arsenous trifluoride; EINECS 232-060-0; HSDB 421; TL 156; Trifluoroarsine. Used as a fluorinating reagent, catalyst, ion implantation source and dopant. Liquid; mp = -5.95°; bp = 57.8°; d_4^{15} = 2.73; reacts with H_2O, soluble in alcohol, ether, benzene. *Atomergic Chemetals; Elf Atochem N. Am.; Noah Chem.*

258 Arsenic trioxide

1327-53-3 813 G P

As_4O_6

Arsenic(III) oxide.

Acide arsenieux; AI3-01163; Anhydride arsenieux; Arseni trioxydum; Arsenic (III) oxide; Arsenic blanc; Arsenic oxide; Arsenic oxide (3); Arsenic oxide (As_2O_3); Arsenic sesquioxide; Arsenic sesquioxide (As_2O_3); Arsenic trioxide; Arsenic(III) oxide; Arsenicum album; Arsenigen saure; Arsenious acid; Arsenious Acid Anhydride; Arsenious oxide; Arsenious trioxide; Arsenite; Arsenolite; arsenous oxide anhydride; Arsenous acid; Arsenous acid anhydride; Arsenous anhydride; Arsenous oxide; Arsenous oxide anhydride; Arsentrioxide; Arsodent; Caswell No. 059; CCRIS 5455; Claudelite; Claudetite; Crude arsenic; Diarsenic oxide; Diarsenic trioxide; Diarsonic trioxide; EINECS 215-481-4; EPA Pesticide Chemical Code 007001; HSDB 419; Oxyde Arsenieux; Poison flour; RCRA waste number P012; Trisenox; UN 1561; White arsenic. Primary material for all arsenic compounds. Used in chemical manufacturing and also as a parasiticide and rodenticide. Used in pigments, ceramic enamels, aniline colors, decolorizing agent in glass, as an insecticide, rodenticide, herbicide, sheep and cattle dip, hide preservative, wood preservative, in preparation of other arsenic compounds. Crystals; mp = 315°; bp = 465°; soluble in H_2O, dil HCl, alkali hydroxide or carbonate solns; insoluble in EtOH, $CHCl_3$, Et_2O; LD_{50} (rat orl) = 1.46 mg/kg. *Atomergic Chemetals; Noah Chem.; Outokumpu Oy.*

259 Arsine

7784-42-1 818 G

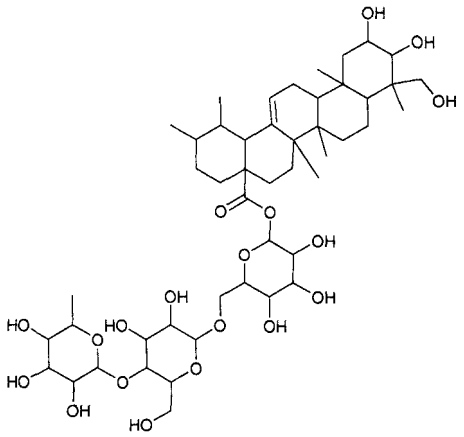
AsH_3

Arsenic trihydride.

Agent SA; Arsenic hydride; Arsenic hydride (AsH_3); Arsenic trihydride; Arseniuretted hydrogen; Arsenous hydride; Arsenowodor; Arsenwasserstoff; Arsine; EINECS 232-066-3; HSDB 510; Hydrogen arsenide; UN 2188. Used in organic synthesis, as a military poison, doping agent for solid-state electronic components. Gas; mp = -117°; bp = -62.5°; decomposes when heated at 300°; slightly soluble in H_2O. *Air Products & Chemicals Inc.; Atomergic Chemetals.*

260 Asiaticoside

16830-15-2 839 D G



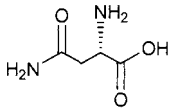
$C_{48}H_{78}O_{19}$

(2α,3β,4α)-2,3,23-Trihydroxyurs-12-en-28-oic acid O-6-deoxy-α-L-mannopyranosyl-(1→4)-O-β-D-glucopyran-osyl-(1→6)-O-β-D-glucopyranosyl ester.

Asiaticosid; Asiaticoside; Ba 2742; Blastoestimulina; BRN 0078195; Centelase; Dermatologico; EINECS 240-851-7; Emdecassol; Madecassol; NSC 166062. A proprietary preparation extract of *Centella asiatica* in an ointment; used for skin protection. Powder; mp = 230-233°; insoluble in H_2O; soluble in EtOH, C_5H_5N; $[\alpha]_D^{20}$= -14° (EtOH). *Rona Laboratories.*

261 Asparagine

70-47-3 842 G



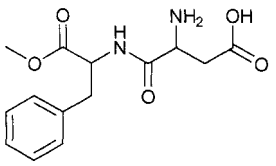
$C_4H_8N_2O_3$

(S)-2,4-Diamino-4-oxobutanoic acid.

2-Aminosuccinamic acid, L-; -Aminosuccinamic acid; (-)-Asparagine; (S)-Asparagine; Agedoite; Altheine; Asparagine; Asparagine acid; Asparagine, L-; L-Asparagine; L-Asparatamine; L- -Asparagine; Aspar-amide; Aspartamic acid; Aspartic acid -amide; Butanoic acid, 2,4-diamino-4-oxo-, (S)-; Crystal VI; L-2,4-Diamino-4-oxobutanoic acid; (S)-2,4-Diamino-4-oxobutanoic acid; EINECS 200-735-9; NSC 82391. *Used in biochemical research for preparation of* culture media and in medicine. mp = 234-235°; d_4^{15}= 1.543; $[\alpha]_D^{20}$= -5.42° (c = 1.3); practically insoluble in methanol, ethanol, ether, benzene; soluble in acids and alkalis. *Degussa AG; Penta Mfg.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Tanabe U.S.A. Inc.; U.S. BioChem*

262 Aspartame

22839-47-0 844 G



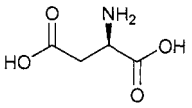
$C_{14}H_{18}N_2O_5$

3-Amino-N-(α-methoxycarbonylphenethyl) succinamic acid.

3-Amino-N-(α-methoxycarbonylphenethyl) succinamic acid; 3-Amino-N-(α-carboxyphenethyl)succinamic acid N-methyl ester; APM; Asp-phe-ome; Aspartam; Aspartame; Aspartame, L,L-α-; Aspartamo; Aspartamum; Aspartylphenylalanine methyl ester; L-Aspartyl-L-phenylalanine methyl ester; Canderel; CCRIS 5456; Dipeptide sweetener; EINECS 245-261-3; Equal; HSDB 3915; Methyl aspartylphenylalanate; Methyl L-aspartyl-L-phenylalanine; Methyl L-α-aspartyl-L-phenylalanate; Methyl N-L-α-aspartyl-L-phenylalaninate; 1-Methyl N-L-α-aspartyl-L-phenylalanate; Nutrasweet; L-Phenylalanine, L-α-aspartyl-, 2-methyl ester; L-Phenylalanine, N-L-α-aspartyl-, 1-methyl ester; SC 18862; Succinamic acid, 3-amino-N-(α-carboxyphenethyl)-, N-methyl ester,; Sweet dipeptide; Tri-sweet. A sweetening agent Crystals; mp = 246-247°; $[\alpha]_D^{22}$= -2.3° (1N HCl). *Searle G.D. & Co.*

263 D-Aspartic acid

1783-96-6 845 G



$C_4H_7NO_4$

1-Amino-1,2-carboxyethane.

4-04-00-02998 (Beilstein Handbook Reference); Asp; D-Aspartate; Aspartic acid, D-; Aspartic acid D-form; (-)-Aspartic acid; D-Aspartic acid; (R)-Aspartic acid; BRN 1723529; D; EINECS 217-234-6; NSC 97922. Used in biological and clinical studies, preparation of culture media, organic intermediate, ingredient of aspartame, detergents, fungicides, germicides, metal complexation. L-form is most common, D-form occurs naturally but is less common. Crystals; mp = 270-271°; *soluble in* H_2O, *more soluble in salt solutions, soluble in acid,* alkali, insoluble in EtOH; $[\alpha]_D^{20}$= +25° (c = 1.97 6N HCl). *Atomergic Chemetals; Lancaster Synthesis Co.; Penta Mfg.; Tanabe Seiyaku Co. Ltd.; Tanabe U.S.A. Inc.; U.S. BioChem.*

264 Asphalt

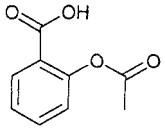
8052-42-4 850 H P

Asphalt.

Asphalt; Asphalt (Bitumen)fume as benzene-soluble Aerosol®; Asphalt (cut); Asphalt (cutback); Asphalt (petroleum); Asphalt cements; Asphalt fumes; Asphalt, liquid medium-curing; Asphalt, liquid rapid-curing; Asphalt, liquid slow-curing; Asphaltic bitumen; Asphaltum; Bitumen; Bitumens, asphalt; Bituminous materials, asphalt; Caswell No. 062; Caswell No. 106; EINECS 232-490-9; EPA Pesticide Chemical Code 022002; EPA Pesticide Chemical Code 022001; HSDB 5075; Judean pitch; Mineral pitch; Mineral rubber; NA1999; Petroleum; Petroleum asphalt; Petroleum bitumen; Petroleum pitch; Petroleum refining residues, asphalts; Petroleum roofing tar; Road asphalt; Road tar; Trinidad pitch. Used to make roads and to seal tanks. Registered by EPA as a fungicide (cancelled). Black bituminous pitch; d ■ 1.00-1.18; insoluble in H_2O, EtOH, acids, alkali, soluble in $CHCl_3$, Et_2O, Me_2CO, CS_2, petroleum ether, C_6H_6.

265 Aspirin

50-78-2 856 D



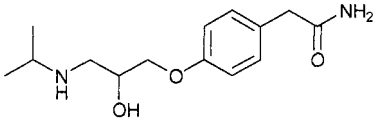
$C_9H_8O_4$

Acetylsalicylic acid.

4-10-00-00138 (Beilstein Handbook Reference); A.S.A.; A.S.A. and Codeine Compound; A.S.A. empirin; AC 5230; Acenterine; Acesal; Aceticyl; Acetilsalicilico; Acetilum acidulatum; Acetisal; Acetol; Acetonyl; Acetophen; Acetosal; Acetosalic acid; Acetosalin; Acetylin; Acetylsal; Acetylsalicylate; Acetylsalicylic acid; Acetylsalicylsaeure; Acetylsalicylsäure; Acetylsalycilic acid; Acide acetylsalicylique; Acido acetilsaliciiico; Acido O-acetil-benzoico; Acidum acetylsalicylicum; Acimetten; Acisal; Acylpyrin; Adiro; AI3-02956; Anacin; Anacin Maximum Strength; Arthritis Pain Formula Maximum Strength; ASA; Asagran; Asatard; Ascoden-30; Ascriptin; Aspalon; Aspec; Aspergum; Aspirdrops; Aspirin; Aspirina 03; Aspirine; Aspro; Aspro Clear; Asteric; Axotal; Bayer; Bayer Aspirin 8 Hour; Bayer Buffered; Bayer Children's Aspirin; Bayer Enteric 325 mg Regular Strength; Bayer Enteric 500 mg Arthritis Strength; Bayer Enteric 81 mg Adult Low Strength; Bayer Extra Strength Aspirin for Migraine Pain; Bayer Plus; Benaspir; Benzoic acid, 2-(acetyloxy)-; Bi-prin; Bialpirina; BRN 0779271; Bufferin; Caprin; CCRIS 3243; Cemirit; Claradin; Clariprin; Colfarit; Cont-rheuma retard; Coricidin; Crystar; Dasin; DEA No. 9804; Decaten; Delgesic; Dolean pH 8; Duramax; Easprin; ECM; Ecolen; Ecotrin; EINECS 200-064-1; Empirin; Empirin with Codeine; Endydol; Entericin; Enterophen; Enterosarein; Enterosarine; Entrophen; Equagesic; Extren; Globentyl; Globoid; Helicon; HSDB 652; Idragin; Istopirin; Kapsazal; Kyselina 2-acetoxybenzoova; Kyselina acetylsalicylova; Levius; Measurin; Medisyl; Micrainin; Micristin; Neuronika; Norgesic; Novid; NSC 27223; P-A-C Analgesic Tablets; Percodan; Percodan Demi; Persistin; Pharmacin; Phensal; Pirseal; Polopiryna; Pravigard PAC; Premaspin; Rheumin tabletten; Rheumintabletten; Rhodine; Rhonal; Robaxisal; Ronal; S-211; Salacetin; Salcetogen; Saletin; Salicylic acid acetate; Sine-Off Sinus Medicine Tablets-Aspirin Formula; SK-65 Compound; Solfrin; Solprin acid; Solpyron; Soma Compound; SP 189; Spira-Dine; St. Joseph Aspirin for Adults; Supac; Synalgos; Synalgos-DC; Temperal; Triaminicin; Triple-sal; Vanquish; Xaxa; Yasta; ZORprin. Analgesic; antipyretic; anti-inflammatory. Also has platelet aggregation inhibiting, antithrombotic, and antirheumatic properties. mp ■ 135; d = 1.40; λ_m ■ 229, 277 nm ($E^{1\%}_{1cm}$ 484, 68 in 0.1N H_2SO_4); pH (25°) = 3.49; somewhat soluble in H_2O (1 g/300 ml at 25°, 1 g/100 ml at 37°); soluble in EtOH (1 g/5 ml), $CHCl_3$ (1 g/17 ml), Et_2O (1 g/10 ml). *Bayer AG; Boots Pharmaceuticals Inc.; Bristol-Myers Squibb Co.; Eli Lilly & Co.; Parke-Davis; Schering-Plough Pharm.; SmithKline Beecham Pharm.; Sterling Health U.S.A.; Sterling Winthrop Inc.; Upjohn Ltd.*

266 Atenolol

29122-68-7 863 D V



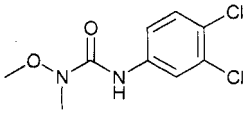
$C_{14}H_{22}N_2O_3$

2-[p-[2-Hydroxy-3-(isopropylamino)propoxy]phenyl]-acetamide.

Aircrit; Alinor; Altol; Anselol; Antipressan; Apo-Atenolol; Atcardil; Atecard; Atehexal; Atenblock; Atendol; Atenet; Ateni; Atenil; Atenol 1A pharma; Atenol acis; Atenol AL; Atenol Atid; Atenol Cophar; Atenol ct; Atenol Fecofar; Atenol Gador; Atenol Genericon; Atenol GNR; Atenol Heumann; Atenol MSD; Atenol NM Pharma; Atenol Nordic; Atenol PB; Atenol Quesada; Atenol Stada; Atenol Tika; Atenol Trom; Atenol von ct; Atenol-Mepha; Atenol-ratiopharm; Atenol-Wolff; Atenolin; Atenolol; Atenololum; Atenomel; Atereal; Aterol; Betablok; Betacard; Betasyn; Betatop Ge; Blocotenol; Blokium; BRN 2739235; Cardaxen; Cardiopress; CCRIS 4196; Corotenol; Cuxanorm; Duraatenolol; Duratenol; EINECS 249-451-7; Evitocor; Farnormin; Felo-Bits; Hipres; HSDB 6526; Hypoten; Ibinolo; ICI 66,082; ICI 66082; Internolol; Jenatenol; Juvental; Lo-ten; Loten; Lotenal; Myocord; Normalol; Normiten; Noten; Oraday; Ormidol; Panapres; Plenacor; Premorine; Prenolol; Prenormine; Prinorm; Scheinpharm Atenol; Seles beta; Selobloc; Serten; Servitenol; Stermin; Tenidon; Tenobloc; Tenoblock; Tenolol; Tenoprin; Tenoretic; Tenormin; Tenormine; Tensimin; Tredol; Unibloc; Uniloc; Vascoten; Vericordin; Wesipin; Xaten. Antianginal; class II antiarrhythmic agent. Cardioselective β-adrenergic blocking agent. Has antiarrhythmic and antihypertensive properties. Used in preference to propranolol for treatment of bronchospastic disease in small animals. Crystals; mp = 146-148°, 150-152°; λ_m = 225, 275, 283 nm (MeOH); very soluble in MeOH; soluble in AcOH, DMSO; less soluble in Me_2CO, dioxane; insoluble in CH_3CN, EtOAc, $CHCl_3$; LD_{50} (mus orl) = 2000 mg/kg, (mus iv) = 98.7 mg/kg, (rat orl) = 3000 mg/kg, (rat iv) = 59.24 mg/kg. *Apothecon; C.M. Ind.; ICI; Lemmon Co.; Zeneca Pharm.*

267 Atlas Linuron

330-55-2 5531 G P



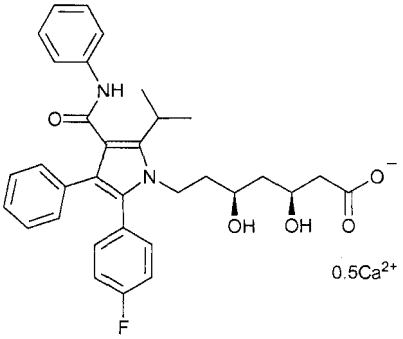
$C_9H_{10}Cl_2N_2O_2$

N'-(3,4-Dichlorophenyl)-N-methoxy-N-methylurea.

Linuron; Methoxydiuron; Arresin; Afalon. A residual urea herbicide for the control of weeds in field crops including potatoes and carrots. Crystals; mp = 93-94°; soluble in H_2O, acetone, alcohol, benzene, toluene, xylene; LD_{50} (rat orl) = 1500 mg/kg. *Agan Chemical Manufacturers; Ashlade Formulations Ltd.; Atlas Interlates Ltd; DuPont UK; Farm Protection Ltd.; Hoechst UK Ltd.; ICI Chem. & Polymers Ltd.; MTM AgroChemicals Ltd.*

268 Atorvastatin Calcium

134523-03-8 868 D



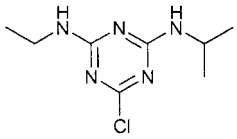
$C_{66}H_{68}CaF_2N_4O_{10}$

Calcium (βR,δR)-2-(p-fluorophenyl)-β,δ-dihydroxy-5-iso-propyl-3-phenyl-4-(phenylcarbamoyl)pyrrole-1-heptan-oate.

Atorvastatin calcium; CI-981; DRG-0321; Lipitor; PD 134298-38A. Hydroxymethylglutarate co-enzyme A reductase inhibitor. Hypolipidemic agent. Crystals; $[\alpha]_D$ = -7.4° (DMSO c = 1). *Parke-Davis.*

269 Atrazine

1912-24-9 874 G H P



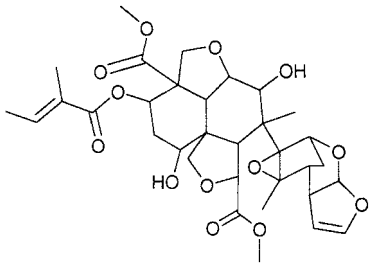
$C_8H_{14}ClN_5$

6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine.

A 361; Aatam; Aatram; Aatram 20G; Aatrex; Aatrex 4L; Aatrex 80W; Aatrex nine-O; Actinite PK; AI3-28244; Akticon; Aktikon; Aktikon PK; Aktinit A; Aktinit PK; Aneldazin; Argezin; Atazinax; Atranex; Atrasine; Atrataf; Atratol; Atratol A; Atrazin; Atrazine; Atred; Atrex; Azoprim; BRN 0612020; Candex; Caswell No. 063; CCRIS 1025; Ceasin 50; Cekuzina-T; Chromozin; Crisatrina; Crisazine; Cyazin; EINECS 217-617-8; EPA Pesticide Chemical Code 080803; Farmco atrazine; Fenamin; Fenamine; Fenatrol; G 30027; Geigy 30,027; Gesaprim; Gesaprim 50; Gesaprin; Gesoprim; Griffex; Guardsman; Herbatoxol; HSDB 413; Hungazin; Hungazin PK; Inakor; NSC 163046; Oleogesaprim; Pitezin; Primatol; Primatol A; Primaze; Radazin; Radizin; Shell atrazine herbicide; Strazine; Triazine A 1294; Vectal; Vectal SC; Weedex A; Wonuk; Zeapos; Zeazin; Zeazine; Zeopos; Zeoposs-Triazine. Selective systemic herbicide, absorbed through roots and foliage, inhibits photosynthesis. Used for pre- and post-emergence control of annual grasses and broad-leaved weeds in a variety of crops. Registered by EPA as a herbicide. Colorless crystals; mp ■ 176°; d = 1.38; soluble in H_2O (0.0028 g/100 ml), DMSO (18.3 g/100 ml), $CHCl_3$ (5.2 g/100 ml), EtOAc (2.8 g/100 ml), MeOH (1.8 g/100 ml), Et_2O (1.2 g/100 ml), C_5H_{12} (0.036 g/100 ml); LD_{50} (rat orl) = 1100, 3080 mg/kg, (mus orl) = 1750 mg/kg, (rbt orl) = 750 mg/kg, (rbt der) = 7500 mg/kg, (rat der) > 3100 mg/kg; LC_{50} (rat ihl 1 hr.) > 0.71 mg/l air, (bobwhite quail 8 day dietary) = 5760 mg/kg diet, (mallard duck 8 day dietary) = 19650 mg/kg diet, (rainbow trout 96 hr.) ■ 8.8 mg/l, (bluegill sunfish 96 hr.) = 16 mg/l, (carp 96 hr.) = 76 mg/l, (catfish 96 hr.) = 7.6 mg/l, (perch 96 hr.) = 16 mg/l, (guppy 96 hr.) = 4.3 mg/l; non-toxic to bees. *ABM Chemicals Ltd.; Agan Chemical Manufacturers; Agriliance LLC; Albaugh Inc.; Ashlade Formulations Ltd.; Chipman Ltd.; Ciba Geigy Agrochemicals; CIBA plc; Fisons plc, Horticultural Div.; Rhône-Poulenc Environmental Prods. Ltd; Rigby Taylor Ltd.; Syngenta Crop Protection; UAP - Platte Chemical; United Horticultural Supply.*

270 Azadirachtin

11141-17-6 896 G P



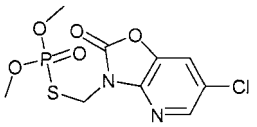
$C_{33}H_{42}O_{13}$

(2aR-(2aα,3β,4β(1aR*,2S*,3aS*,6aS*,7S*,7aS*),4aβ,5α,7aS*,8β(E),10β,10aα,10bβ))-10-(Acetyloxy)octahydro-3,5-dihydr-oxy-4-methyl-8-((2-methyl-1-oxo-2-butenyl)oxy)-4-(3a,6a,7,7a-tetrahydro-6a-hydroxy-7a-methyl-2,7-methanofuro(2,3-b)oxireno(e)oxepin-1a(2H)-yl)- 1H,7H-naphtho(1,8-bc:4,4a-c')difuran-5,10a(8H)-dicarboxylic acid, dimethyl ester.

Azadirachtin; Azadirachtin A; Margosan-O; Azatin. Isolated from the seeds of the neem tree. Used experimentally as an insect control agent. Registered by EPA as an insecticide. Crystalline powder; mp = 154 - 158°; $[\alpha]_D$ = -53° (c ■ 0.5 $CHCl_3$); λ_m = 217 nm (ε 9100 MeOH). *Agro Logistic Systems Inc.; Biosys; Certis USA LLC; E.I.D. Parry (India) Ltd.; Fortune Biotech Ltd.; PBI/Gordon Corp; PBT International.*

271 Azamethiphos

35575-96-3 G P



$C_9H_{10}ClN_2O_5PS$

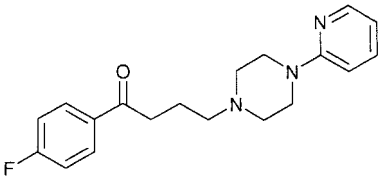
S-[(6-Chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)-methyl] O,O-dimethylphosphorothioate.

AI3-29129; Alfacron; Alfacron 10WP; Alficron; Azamethiphos; BRN 1086470; CGA 18809; 6-Chloro-3-dimethoxyphosphinoylthiomethyl-1,3-oxazolo(4,5-b)-pyridin-2(3H)-one; S-((6-Chloro-2-oxooxazolo(4,5-b)-pyridin-3(2H)-yl)methyl) O,O-dimethylphosphorothioate; S-((6-Chloro-2-oxooxazolo(4,5-b)pyridin-3(2H)-yl)methyl) O,O-dimethyl thiophosphate; S-((6-Chloro-2,3-dihydro-2-oxo-1,3-oxazolo-(4,5-b)pyridin-3-yl)methyl) O,O-di-methyl phosphorothioate; S-6-Chloro-2,3-dihydro-2-oxo-1,3-oxazolo(4,5-b)pyridin-3-ylmethyl O,O-dimethyl phosphorothioate; Ciba-Geigy 18809; Dymos; EINECS 252-626-0; OMS No 1825; Phosphorothioic acid, S-((6-chloro-2-oxooxazolo(4,5-b)pyridin-3(2H)-yl)methyl) O,O-dimethyl ester; Rubidor; Snip; Thiophosphorsaeure-O,O-dimethyl-S-(6-chlor-oxazolo(4,5-b)pyridin-2(3H)-on-3-yl)methyl-ester; OMS No 1825; S-((6-Chloro-2-oxooxazolo(4,5-b)pyridin-3(2H)-yl)methyl) O,O-dimethylphosphoro-thioate; Snip; Thiophosphorsäure-O,O-dimethyl-S-(6-chlor-oxazolo(4,5-b)pyridin-2(3H)-on-3-yl)-methyl-ester.

Insecticide with contact and stomach action; cholinesterase inhibitor, used for control of flies and other insects in animal houses. Used for mosquitoes, tsetse flies and cockroaches. Colorless crystals; mp = 89°; sg^{20} = 1.60; soluble in H_2O (0.11 g/100 ml), CH_2Cl_2 (8.1 g/100 ml), C_6H_6 (1.14 g/100 ml), MeOH (0.8 g/100 ml), n-octanol (0.48 g/100 ml); LD_{50} (rat orl) = 1180 mg/kg, (rat der) > 2150 mg/kg; LC_{50} (rainbow trout 96 hr.) = 0.2 mg/l, (bluegill sunfish 96 hr.) = 8.0 mg/l, (carp 96 hr.) = 6.0 mg/l; non-toxic to Japanese quail; toxic to bees. *Ciba-Geigy Corp.; Novartis.*

272 Azaperone

1649-18-9 901 D G V



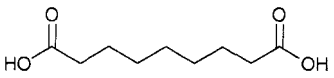
$C_{19}H_{22}FN_3O$

4'-Fluoro-4-[4-(2-pyridinyl)-1-piperazinyl]butyrophenone.

5-23-03-00041 (Beilstein Handbook Reference); Azaperon; Azaperona; Azaperone; Azaperonum; Azeperone; BRN 0565491; CCRIS 1586; EINECS 216-715-8; Eucalmyl; Fluoperidol; NSC 170976; R-1929; Sedaperone vet; Stresnil; Suicalm. Used in veterinary medicine as a sedative and a tranquillizer. Solid; mp = 73-75°. *Janssen Pharm. Ltd.*

273 Azelaic acid

123-99-9 908 D G H



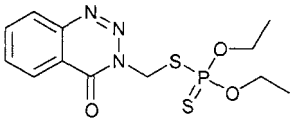
$C_9H_{16}O_4$

1,9-Nonanedioic acid.

4-02-00-02055 (Beilstein Handbook Reference); Acide azelaique; Acido azelaico; Acidum azelaicum; AI3-06299; Anchoic acid; Azelaic acid; Azelex; BRN 1101094; EINECS 204-669-1; Emerox 1110; Emerox 1144; Finacea; Heptanedicarboxylic acid; Lepargylic acid; Nonanedioic acid; NSC 19493; ZK 62498. Intermediate in chemical manufacturing of, for example, detergents; also an antiacne agent. Crystals; mp = 106.5°; bp_{100} = 286.5°, bp_{50} = 265°; bp_{15} = 237°; bp_{10} = 225°; slightly soluble in H_2O (2.4g/l), Et_2O, C_6H_6, DMSO, soluble in EtOH; LD_{50} (rat orl) >5 gm/kg. *Henkel/Emery; Schering AG.*

274 Azinphos-ethyl

2642-71-9 G H P



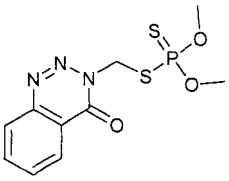
$C_{12}H_{16}N_3O_3PS_2$

O,O-Diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)-methyl] phosphorodithioate.

4-26-00-00460 (Beilstein Handbook Reference); AI3-22014; Athyl-gusathion; Azinfos-ethyl; Azinophos-ethyl; Azinos; Azinphos-äthyl; Azinphos-aethyl; Azinphos ethyl; Azinphos-etile; Azinugec E; BAY 16255; BAY 16259; Bionex; BRN 0297468; Caswell No. 344; Cotnion-ethyl; Crysthion; 3-Diethoxyphos-phinothioylthiomethyl-1,2,3-benzotri-azin-4(3H)-one; 3,4-Dihydro-4-oxo-3-benzotriazin-ylmethyl O,O-di-ethyl phosphorodithioate; EINECS 220-147-6; ENT 22,014; EPA Pesticide Chemical Code 058002; Ethyl azinphos; Ethyl Gusathion; Ethyl guthion; Ethyl homolog of guthion; Gusathion; Gusathion A; Gusathion A-M; Gusathion H; Gusathion H and K; Gusathion K; Gusathion K forte; Gusation A; Gutex; Guthion (ethyl); HSDB 411; R 1513; Sepizin L; Triazotion. Insecticide with broad spectrum of activity against biting pests such as caterpillars, beeties and their larvae, as well as sucking pests such as aphids, thrips, leafhoppers, etc. on a wide range of crops; side-effect on mites. Colorless needles; mp = 53°; $bp_{0.0013}$ = 111°; sg^{20} = 1.284; soluble in H_2O (0.0004 g/100 ml), freely soluble in polar organic solvents; LD_{50} (rat orl) = 12.5 - 17.5 mg/kg, (mrat der) = 250 mg/kg, (rat ip) > 7.5 mg/kg; LC_{50} (guppy 96 hr.) = 0.01 - 0.10 mg/l, (goldfish 96 hr.) = 0.1 mg/l; toxic to bees. *Bayer Corp.*

275 Azinphos-methyl

86-50-0 915 H P



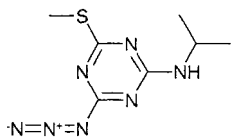
$C_{10}H_{12}N_3O_3PS_2$

3-Dimethoxyphosphinothioylthiomethyl-1,2,3-benzo-triazin-4(3H)-one.

4-26-00-00460 (Beilstein Handbook Reference); AI3-23233; Azinfos-methyl; Azinphos-metile; Azin-phosmethyl; BAY 17147; BAY 9027; Bayer 17147; Bayer 9027; Benzotriazinedithiophosphoric acid dimethoxy ester; BRN 0280476; Carfene; Caswell No. 374; CCRIS 63; Cotneon; Cotnion; Cotnion methyl; Crysthion 2L; Crysthyon; S-(3,4-Dihydro-4-oxo- benzo(α)(1,2,3)triazin-3-ylmethyl) O,O-dimethyl-phos-phorodithioate; S-3,4-Dihydro-4-oxobenzo-(d)(1,2,3)-triazin-3-ylmethyl O,O-dimethylphosphoro-dithioate Dimethyldithiophosphoric acid N-methylbenzazimide ester; O,O-Dimethyl S-(3,4-dihydro-4-keto-1,2,3-benzotriazinyl-3-methyl)-dithiophosphate; O,O-Dimethyl S-(4-oxobenzo-triazino-3-methyl)phosphoro-dithioate; O,O-Dimethyl-S-((4-oxo-3H-1,2,3-benzo-triazin-3-yl)-methyl)-dithiophosphat; O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazino(3)-methyl)thiothionophos-phate; O,O-Dimethyl-S-((4-oxo-3H-1,2,3-benzotriazin-3-yl)-methyl)-dithiofosfaat; O,O-Dimethyl S-4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl phosphorodithioate; O,O-Dimethyl-S-(4-oxobenzotriazin-3-methyl)-dithio-phosphat; O,O-Dimethyl-S-(benzaziminomethyl) di-thiophosphate; O,O-Dimethyl S-(4-oxo-3H-1,2,3-benzotriazine-3-methyl)phosphorodithioate; O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazino(3)-methyl) thio-thionophosphate; O,O-Dimethyl-S-(1,2,3-benzo-triazinyl-4-keto)methyl phosphorodithioate; O,O-Dimetil-S-((4-oxo-3H-1,2,3-benzotriazin-3-il)-metil)-ditiofosfato; EINECS 201-676-1; ENT 23,233; EPA Pesticide Chemical Code 058001; EPA Shaughnessy #058001; Gusathion; Gusathion-20; Gusathion 25; Gusathion K; Gusathion M; Gusathion methyl; Guthion; HSDB 1171; 3-(Mercaptomethyl)-1,2,3-benzotriazin-4(3H)-one O,O-dimethylphosphoro-dithioate S-ester; N-Methylbenzazimide, dimethyl-dithiophosphoric acid ester; Methyl guthion; Methylazinphos; Methylgusathion; Metiltriazotion; NCI-C00066; Phosphorodithioic acid, O,O-dimethylS-([4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl) ester; R 1582. Non-systemic insecticide and acaricide acting on contact or by ingestion. A cholinesterase inhibitor, used for control of chewing and sucking insects and spider mites in fruit and vegetable crops. Registered by EPA as an insecticide. Colorless crystals; mp = 73 - 74°; sg^{20} = 1.44; soluble in H_2O (0.003 g/100 ml at 25°, C_7H_8 (> 20 g/100 ml), CH_2Cl_2 (> 20 g/100 ml); LD_{50} (rat orl) = 4 - 20 mg/kg, (mgpg orl) = 80 mg/kg, (rat der) = 220 mg/kg, (mallard duck orl) = 136 mg/kg; LC_{50} (rat ihl 1 hr.) = 0.385 mg/l air, (bobwhite quail 5 day dietary) = 540 mg/kg diet, (rainbow trout 96 hr.) = 0.02 mg/l, (bluegill sunfish 96 hr.) = 0.0046 mg/l, (guppy 96 hr.) = 1.0 mg/l; toxic to bees. *Bayer Corp.; Gowan Co.; Makhteshim Chemical Works Ltd.; Micro-Flo Co. LLC; UAP - Platte Chemical.*

276 Aziprotryne

4658-28-0 G P



$C_7H_{11}N_7S$

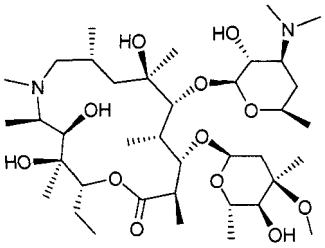
4-Azido-N-(1-methylethyl)-6-methylthio-1,3,5-triazin-2-amine.

Azeprotryne; 2-Azido-4-isopropylamino-6-methylthio-s-triazine; 2-Azido-4-isopropylamino-6-methylthio-1,3,5-triazine; 4-Azido-N-(1-methylethyl)-6-(methyl-thio)-1,3,5-triazin-2-amine; 4-Azido-N-isopropyl-6-methylthio-1,3,5-triazin-2-ylamine; Aziprotryn; Bras-oran; Brasoran 50 WP; Brassoron; C 7019; Caswell No. 063B; Ciba C 7019; EINECS 225-101-9; EPA Pesticide Chemical Code 263301; Isopropylamino-4-azido-6-methylthio-1,3,5-triazin; Mesoranil; Mezar-onil; Mezuron; 1,3,5-Triazin-2-amine, 4-azido-N-(1-methylethyl)-6-(methylthio)-; s-Triazine, 2-azido-4-(isopropylamino)-6-(methylthio)-. A selective herbicide applied pre- or post-emergence and used to control a wide range of annual broad-leaved weeds and some grasses in brassicas. Colorless crystals; mp = 94 - 95°; sg^{20} = 1.40; soluble in H_2O (0.0055 g/100 ml at 25°, Me_2CO (2.1 g/100 ml), CH_2Cl_2 (4.9 g/100 ml), EtOAc (1.1 g/100 ml), i-PrOH (1.1 g1/100 ml), C_6H_6 (0.35 g/100 ml); LD_{50} (rat orl) = 3600 - 5833 mg/kg, (rat der) > 3000 mg/kg; LC_{50} (mallard duck, quail 8 day dietary) > 4000

mg/kg, (bluegill sunfish, largemouth bass 96 hr.) > 1 mg/l; non-toxic to bees. *Ciba Geigy Agrochemicals; Ciba-Geigy Corp.*

277 Azithromycin (anhydrous)

83905-01-5 917 D



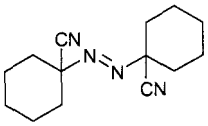
$C_{38}H_{72}N_2O_{12}$

[2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12S*,13S*,14R*)]-13-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-α-L-ribohexo-pyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10, 12-heptamethyl-11-[[3,4,6-trideoxy-3-(dimethyl-amino)-β-D-xylo-hexopyranosyl]oxy]-1-oxa-6-aza-cyclopentadecan-15-one.

Aritromicina; Azenil; Azithromycin; Azithromycine; Azithromycinum; Azitromax; Aziwok; Aztrin; BRN 5387583; CCRIS 1961; DRG-0104; Hemomycin; Misultina; Mixoterin; Setron; Sumamed; Tobil; Tromix; Zeto; Zifin; Zithrax; Zitrim; Zitromax; Zithromax; Zitrotek. Macrolide antibiotic. Crystals; mp = 113-115°; $[\alpha]_D^{20}$= -37° (c = 1 in $CHCl_3$). *Pfizer Inc.*

278 Azo-bis(cyclohexanecarbonitrile)

2094-98-6 G



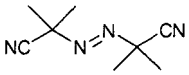
$C_{14}H_{20}N_4$

1,1'-Azobis(cyclohexane-1-carbonitrile).

1,1'-Azobis(1-cyclohexanecarbonitrile); Cyclohexane-carbonitrile, 1,1'-azobis-; EINECS 218-254-8; V-40. Used as a polymerization initiator. Solid; mp = 115-118°. *Wako Pure Chem. Ind.*

279 Azobis(isobutyronitrile)

78-67-1 920 G H



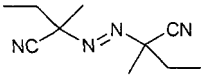
$C_8H_{12}N_4$

2,2'-Dicyano-2,2'-azopropane.

Aceto AZIB; AI3-28716; AIBN; Aivn; Azdh; Azobis(isobutyronitrile); Azobisisobutylonitrile; CCRIS 4287; Chkhz 57; EINECS 201-132-3; Genitron; HSDB 5220; NSC 1496; Pianofor an; Poly-Zole AZDN; Porofor 57; Porofor N; Porophor N; Propanenitrile, 2,2'-azobis(2-methyl-; Vazo; VAZO 64. Polymerization initiator for a wide range of monomers. A blowing agent for elastomers and plastic. It is an initiator for free radical reactions. Used as a foaming agent and an inhibitor in plastic materials. A vinyl polymerization catalyst; gives freedom from side reactions and is not readily poisoned. Used as a blowing agent and as an initiator for free radical reactions. Solid; mp = 102-103° (dec); λ_m = 345 nm (EtOH); insoluble in H_2O, soluble in EtOH, MeOH; LD_{50} (mus orl) = 700 mg/kg. *Schering AG; Wako Pure Chem. Ind.*

280 2,2'-Azobis(2-methylbutyronitrile)

13472-08-7 H



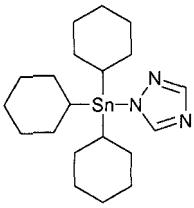
$C_{10}H_{16}N_4$

Butyronitrile, 2,2'-azobis(2-methyl-.

2,2'-Azobis(2-methylbutyronitrile); Butanenitrile, 2,2'-azobis(2-methyl-; EINECS 236-740-8.

281 Azocyclotin

41083-11-8 G P



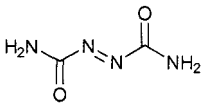
$C_{20}H_{35}N_3Sn$

1-(Tricyclohexylstannyl)-1H-1,2,4-triazole.

Azocyclotin; BAY bue 1452; BRN 0621636; EINECS 255-209-1; HSDB 6559; Peropal; Stannane, (1H-1,2,4-triazol-1-yl)tricyclohexyl-; (1H-1,2,4-Triazolyl)tricyclo-hexyl-stannane; 1-(Tricyclohexylstannyl)-1H-1,2,4-tri-azole; Tri-(cyclohexyl)-1H-1,2,4-triazol-1-yltin; Tri-(cyklohexyl)-1H-1,2,4-triazol-1-ylstannium. Long-lasting acaricide with contact action, used for control of mobile stages of spider mites on pome and stone fruit, grapes, citrus and vegetables. Colorless crystals; mp = 218°; insoluble in H_2O (< 0.0001 g/100 ml), soluble in CH_2Cl_2 (2 - 5 g/100 ml), i-PrOH (1 - 2 g/100 ml) and other organic solvents; LD_{50} (mrat orl) = 99 mg/kg, (mus orl) = 410 - 450 mg/kg, (gpg orl) = 261 mg/kg, (mrat der) > 1000 mg/kg, (ckn orl) = 250 - 375 mg/kg; LC_{50} (carp 96 hr.) = 0.05 - 0.1 mg/l, (goldfish 96 hr.) = 0.01 - 0.1 mg/l, (rainbow trout 96 hr.) = 0.005 - 0.01 mg/l; non-toxic to bees. *Bayer Corp.*

282 Azodicarbonamide

123-77-3 921 G H



$C_2H_4N_4O_2$

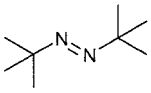
1,1'-Azodiformamide.

ABFA; AI3-52516; Azobiscarbonamide; Azodicarb-amide; Azodicarbonamide; Azodicarboxamide; Azo-dicarboxylic acid diamide; Azodiformamide; CCRIS 842; Celogen AZ; Celogen AZ 130; Celogen AZ 199; Celosen AZ; ChKhz 21; ChKhz 21R; ChKhZ 21r; Diazenedicarboxamide; EINECS 204-650-8; Ficel EP-A; Formamide, 1,1'-azobis-; Genitron AC; Genitron AC 2; Genitron AC 4; Genitron EPC; HSDB 1097; Kempore®; Kempore® 125; Kempore® 60/40; Kempore® 60/14FF; Kempore® R 125; Lucel ADA; NCI-C55981; Nitropore; NSC 41038; Pinhole ACR 3; Pinhole AK 2; Poramid K 1; Porofor 505; Porofor adc/R; Porofor Chkhz 21; Porofor Chkhz 21R; Porofor ChKhZ 21r; Porofor DhKhZ 21; Porofor-Ik 1074 (Bayer); Santechem 21-21; UN3242; Unifoam AZ; Unifoam

AZH 25; Uniform AZ; Yunihomu AZ; 7. Azodicarbonamide based; blowing agent for dynamic foaming processes, e.g., injection molding, extrusion, and calendering. Blowing agent for polyolefins, extruded and injection molded structural foam; elminates die sink marks in injection molding. Bleaching agent in cereal flour. Solid; mp ▪ 212° (dec);λ_m = 239 nm (ε = 1380, MeOH); soluble in hot H_2O, EtOH. *Elf Atochem N. Am.; Gist-Brocades Intl.; Olin Corp; Schering AG; Uniroyal.*

283 Azo-tert-butane

927-83-3 G



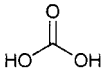
$C_8H_{18}N_2$

2,2'-Azobis(2-methylpropane).

2,2'-Azo-2,2'-dimethylpropane; 2,2'-Azoisobutane; Azo-tert-butane; Azoethane, 1,1,1',1'-tetramethyl-; Bis(tert-butyl)diimine; 1,2-Bis(1,1-dimethylethyl)di-azene; Di-tert-butyldiazene; Diazene, bis(1,1-dimethylethyl)-; VR-160. Polymerization initiator. Liquid; bp_{80} ▪ 47-48°. *Wako Pure Chem. Ind.*

284 Baker's salt

506-87-6 G



$2NH_3$

$CH_8N_2O_3$

Ammonium carbonate.

AI3-25347; Ammonia sesquicarbonate; Ammonium carbonate; Ammoniumcarbonat; Carbonate d'ammoni-aque; Carbonic acid, diammonium salt; Caswell No. 042; CCRIS 7328; Diammonium carbonate; EINECS 208-058-0; EPA Pesticide Chemical Code 073501; HSDB 6305; Salt of Hartshorn. Also typically contains ammonium carbamate. Crystals; mp = 58° (dec); vaporizes at about 60°; incompatible with acids and acid salts; soluble in H_2O (25 g/100 ml).

285 Barium

7440-39-3 967 G

Ba

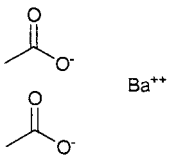
Ba

Barium.

Bario; Barium; Baryum; EINECS 231-149-1; HSDB 4481; UN1400. Alkaline-earth element; Alloys in vacuum tubes, deoxidizer for copper, lubricant for anode rotors in x-ray tubes, spark-plug alloys. mp = 725°; bp = 1640°; d = 3.51; reacts with H_2O, producing H_2. *Atomergic Chemetals; Degussa AG; Noah Chem.; Sigma-Aldrich Fine Chem.*

286 Barium acetate

543-80-6 968 G



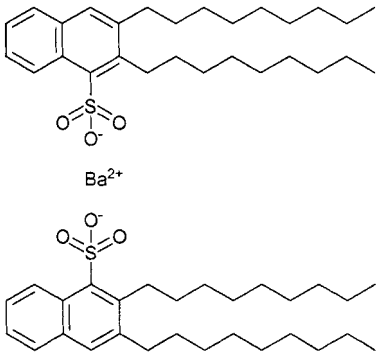
$C_4H_6BaO_4$

Barium(II) acetate.

Acetic acid, barium salt; Barium acetate; Barium di(acetate); Barium diacetate; Caswell No. 068A; CCRIS 7240; EINECS 208-849-0; NSC 75794; Octan barnaty. Chemical reagent, acetates, textile mordant, catalyst manufacture, paint and varnish driers. White solid; d^{25} = 2.4680; soluble in H_2O; LD_{50} (rat orl) = 921 mg/kg. *Hoechst Celanese; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

287 Barium bis(dinonylnaphthalenesulphonate)

25619-56-1 H



$C_{56}H_{86}BaO_6S_2$

Naphthalenesulfonic acid, dinonyl-, barium salt.

Barium bis(dinonylnaphthalenesulphonate); Barium di-nonylnaphthalenesulfonate; Dinonylnaphthalene sulfonic acid barium salt; EINECS 247-132-7; Naphtha-lenesulfonic acid, dinonyl-, barium salt; NSC 49580

288 Barium bromide

10553-31-8 971 G

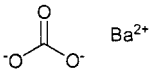
$BaBr_2$

Barium dibromide.

Barium bromide; Barium bromide ($BaBr_2$); EINECS 234-140-0. Used in the manufacture of bromides, photographic compounds, phosphors. [dihydrate]; crystals; mp = 850°; very soluble in H_2O, soluble in MeOH, insoluble in Me_2CO, EtOAc. *Atomergic Chemetals.*

289 Barium carbonate

513-77-9 972 G



$CBaO_3$

Carbonic acid, barium salt (1:1).

Barium carbonate; Barium carbonate (1:1); Barium monocarbonate; BF 1 (salt); BW-C3; BW-P; C.I. 77099; C.I. Pigment White 10; Carbonic acid, barium salt; Carbonic acid, barium salt (1:1); Caswell No. 069; CI 77099; CI Pigment White 10; Durex White; EINECS 208-167-3; EPA Pesticide Chemical Code 007501; HSDB 950; NSC 83508; Pigment White 10. Used in the treatment of brines in chlorine-alkali cells to remove sulfates, as a rodenticide, in production of barium salts, ceramic flux, optical glass, case-hardening baths, ferrites, in radiation-resistant glass for color television tubes. White powder; mp ▪ 811°; bp = 1450°; d = 4.430;

slightly soluble in H_2O (24 mg/l), LD_{50} (rat orl) = 418 mg/kg. *Mallinckrodt Inc.; Solvay Deutschland GmbH.*

290 Barium chloride

10361-37-2 974 G

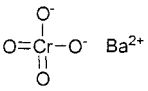
$BaCl_2.2H_2O$

Barium dichloride.

Ba 0108E; Barium chloride; Barium chloride ($BaCl_2$); Barium dichloride; CCRIS 2286; EINECS 233-788-1; HSDB 2633; NCI-C61074; NSC 146181; SBA 0108E. Production of artificial barium sulfate, other barium salts; reagents; lubrication oil additives; boiler compounds; textile dyeing; pigments; manufacture of white leather. White solid; mp = 963°; d = 3.86; very soluble in H_2O, insoluble in organic solvents; LD_{50} (rat orl) = 118 mg/kg. *EM Ind. Inc.; Hoechst Celanese; Mallinckrodt Inc.; Sachtleben Chemie GmbH; Sigma-Aldrich Fine Chem.; Solvay Deutschland GmbH.*

291 Barium chromate

10294-40-3 975 G



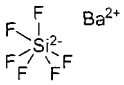
$BaCrO_4$

Barium chromate(VI).

Barium chromate; Barium chromate (1:1); Barium chromate(VI); Barium chromium oxide ($BaCrO_4$); Baryta Yellow; C.I. 77103; C.I. Pigment Yellow 31; CCRIS 7568; Chromic acid (H_2CrO_4), barium salt (1:1); Chromic acid, barium salt (1:1); CI 77103; CI Pigment Yellow 31; EINECS 233-660-5; HSDB 6190; Lemon chrome; Lemon Yellow; Permanent Yellow; Pigment Yellow 31; Ultramarine Yellow. Usd in safety matches, as a corrosion inhibitor in metal-joining compounds, pigment for paints, ceramics, fuses, pyrotechnics, metal primers, ignition control devices. Pigment in anti-corrosion pastes. Yellow monoclinic crystals; d = 4.50; insoluble in H_2O. *Atomergic Chemetals; BASF Corp.; Noah Chem.*

292 Barium fluorosilicate

17125-80-3 979 G



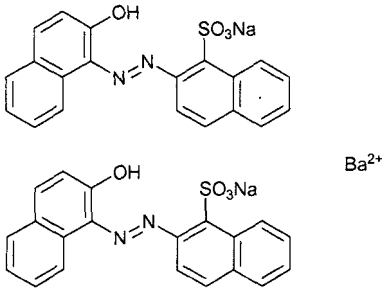
BaF_6Si

Barium hexafluorosilicate.

Barium fluorosilicate; Barium fluosilicate; Barium hexafluorosilicate; Barium hexafluorosilicate(2-); Barium silicofluoride; Barium silicon fluoride; Barium-silicofluorid; Caswell No. 070; EINECS 241-189-1; EPA Pesticide Chemical Code 075302; Flosol; Hexafluorosilicate(2-) barium (1:1); Silicate(2-), hexafluoro-, barium (1:1); Silicon fluoride barium salt. Colloidal barium silicofluoride, used as a horticultural pesticide. Needles; d_4^{21} = 4.29; soluble in H_2O (0.0235 g/100 ml).

293 Barium lithol red

1103-38-4 H



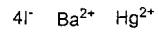
$C_{40}H_{26}BaN_4Na_2O_8S_2$

Barium bis(2-((2-hydroxynaphthyl)azo)naphthalene-sulfonate).

1883 red; Barium lithol; Barium lithol red; Calcotone Red B; CCRIS 1355; CI Pigment Red 49, barium salt (2:1); CI Pigment Red 49:1; D & C Red No. 12; Dainichi Lithol Red R; EINECS 214-160-6; Eljon Lithol Red MS; HSDB 5523; Irgalite Red BRL; Isol Red 3BK; Isol Red Toner RB; Isol Red Toner GB; Isol Tobias Red 3BK; Isol Tobias Red GB; Isol Tobias Red RB; Light Red RB; Light Red RCN; Lithol Red 18959; Lithol Red 22060; Lithol Red 27965; Lithol Red Barium Toner; Pigment Red 49:1; Poster Red; Red No. 207; Red Toner YTA; Sanyo Fast Red NN; Sanyo Lacquer Red RN; Sanyo Lithol Red R; Symuler Red 2R BA Salt; Vulcanosine Red RBKX.

294 Barium mercuric iodide

10048-99-4 985 G



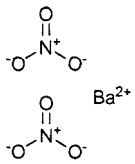
$BaHgI_4$

Barium tetraiodomercurate.

Barium mercuric iodide; Barium tetraiodomercurate; EINECS 233-160-7; Rohrbach's solution. A solution of barium and mercuric iodides (100 g barium iodide and 130 g mercuric iodide heated with 20 cc water to 150-200 C.). The solution is allowed to cool, when a double salt is deposited. The liquid is decanted. Used for separating minerals of different densities; also for microchemical detection of alkaloids. Very soluble in H_2O.

295 Barium nitrate

10022-31-8 986 G



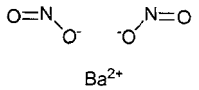
BaN_2O_6

Barium(II) nitrate.

Barium dinitrate; Barium nitrate; Barium nitrate ($Ba(NO_3)_2$); Barium(II) nitrate (1:2); CCRIS 4140; Dusicnan barnaty; EINECS 233-020-5; HSDB 401; Nitrate de baryum; Nitrato barico; Nitric acid, barium salt; Nitrobarite; UN1446. Used in pyrotechnics, incendiaries, chemicals (barium peroxide), ceramic glazes, rodenticide, electronics. Crystals; mp = 592°; d = 3.23; freely soluble in H_2O; LD_{50} (rat orl) = 355 mg/kg. *Berk Pharm. Ltd.; Hoechst Celanese; Noah Chem.; San Yuan Chem. Co. Ltd.; Sigma-Aldrich Fine Chem.*

296 Barium nitrite

13465-94-6 987 G



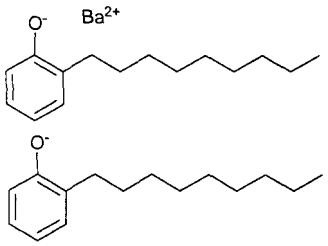
$BaN_2O_4.H_2O$

Nitrous acid barium salt monohydrate.

Barium nitrite; EINECS 236-709-9; Nitrous acid, barium salt; Stickstoffoxydbaryt. Used as a chemical intermediate in diazotization reactions. Also used to prevent corrosion of steel and in explosives. [monohydrate]; crystals; d = 3.187; soluble in H_2O, insoluble in organic solvents.

297 Barium nonylphenate

28987-17-9 H



$C_{30}H_{46}BaO_2$

Phenol, nonyl-, barium salt.

Barium bis(nonylphenolate); Barium nonylphenate; EINECS 249-359-7; Phenol, nonyl-, barium salt. Mixture of o, m and p-isomers

298 Barium oxide

1304-28-5 989 G

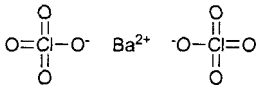
BaO

Barium monoxide.

Barium monoxide; Barium oxide; Barium oxide (BaO); Barium protoxide; Baryta; Calcined baryta; EINECS 215-127-9; Oxyde de baryum; UN1884. Dehydrating agent used as a drying agent for solvents, detergent for lubricating oils. White solid; mp = 1920°; bp = 2000°; d = 5.98; soluble in H_2O and dilute acids. *Atomergic Chemetals; Hoechst Celanese; Lancaster Synthesis Co.; Noah Chem.*

299 Barium perchlorate

13465-95-7 990 G



$BaCl_2O_8$

Perchloric acid, barium salt.

Barium diperchlorate; Barium perchlorate; Desicchlora; EINECS 236-710-4; Perchloric acid, barium salt; UN1447. A drying agent which can be used in place of calcium chloride, sulfuric acid or potassium hydroxide; absorbs 20% of its weight of water. [trihydrate]; crystals; mp = 505°; d = 3.200; soluble in H_2O.

300 Barium peroxide

1304-29-6 992 G

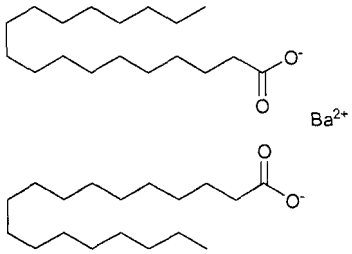
BaO_2

Barium binoxide.

Bario (perossido di); Barium binoxide; Barium dioxide; Barium oxide, per-; Barium peroxide; Barium peroxide ($Ba(O_2)$); Barium superoxide; Bariumperoxid; Barium-peroxyde; Dioxyde de baryum; EINECS 215-128-4; HSDB 396; Peroxyde de baryum; UN1449. Used for bleaching, decolorizing glass, thermal welding of aluminum, manufacture of hydrogen peroxide, oxidizing agent, dyeing textiles. Grey powder; insoluble in H_2O. *Hoechst Celanese; Lancaster Synthesis Co.*

301 Barium stearate

6865-35-6 G H



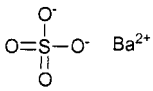
$C_{36}H_{70}BaO_4$

n-Octadecanoic acid, barium salt.

Barium distearate; EINECS 229-966-3; Stavinor 40; Stearic acid, barium salt; Synpro® Barium Stearate. Waterproofing agent, lubricant in metalworking, plastics, and rubber; wax compounding; preparation of greases; heat and light stabilizer in plastics. Used as a processing aid, lubricant for PVC, polyolefins, PS, ABS. *Adeka Fine Chem.; CK Witco Corp.; Syn Prods.*

302 Barium sulfate

7727-43-7 997 G



BaO_4S

Sulfuric acid barium salt.

Actybaryte; AI3-03611; Albaryt; Artificial barite; Artificial heavy spar; BA147; Bakontal; Bar-Test; Baraflave; Baricon; Baridol; Barii sulphas; Barite; Baritogen deluxe; Baritop; Baritop 100; Baritop G Powder; Baritop P; Barium 100; Barium Andreu; Barium sulfate; Barium sulfate (1:1); Barium sulfate ($BaSO_4$); Barium sulfuricum; Barium sulphate; Barium sulphate, natural; Barobag; Barocat; Barodense; Baroloid; Barosperse; Barosperse 110; Barosperse II; Barotrast; Baryta White; Barytes; Barytes 22; Barytgen; Baryum (sulfate de); Baryx Colloidal; Baryxine; Basofor; Bayrites; BF 1 (salt); BF 10 (sulfate); Blanc fixe; C.I. 77120; C.I. Pigment White 21; Caswell No. 071B; Citobaryum; Colonatrast; Danobaryt; E-Z Preparations; E-Z-AC; E-Z-Cat Concentrate; E-Z-HD; E-Z-Paque; E-Z-Paste esophageal cream; EINECS 231-784-4; Enamel White; EneCat; EneMark; EneSet; EntroBar; EPA Pesticide Chemical Code 007502; Epi-C; Epi-Stat 57; Epi-Stat 61; Esopho-CAT; Esophotrast; Esophotrast esophageal cream; Eweiss; Finemeal; Fixed white; Gastropaque-S; Gel-Unix; HD 85; HD 200 Plus; HiTone; HSDB 5041; Intropaque; Lactobaryt; Liquibarine; Liquid Barosperse; Liquid E-Z-Paque; Liquid Polibar; Liquid Polibar Plus; Liquid Sol-O-Pake; Liquipake; Macropaque; Microbar; Microfanox; Micropaque; Micropaque RD; Microtrast; Mikabarium B; Mikabarium F; Mixobar;

Mixture III; Neobalgin; Neobar; Novopaque; Oesobar; Oratrast; Permanent White; Pigment White 22; Polibar; Precipitated barium sulphate; PrepCat; Radimix Colon; Radio-Baryx; Radiobaryt; Radiopaque; Raybar; Readi-CAT; Readi-CAT 2; Recto Barium; Redi-Flow; Rugar; Sachtoperse® HU; Sol-O-Pake; Solbar; Sparkle Granules; SS 50; Sulfuric acid, barium salt (1:1); Supramike; Suspobar; Terra ponderosa; Tixobar; TomoCat 1000 Concentrate; TomoCat Concentrate; TonoJug 2000; Tonopaque; Topcontrai; Travad; Ultra-R; Umbrasol A; Unibaryt; Unit-Pak; Veri-O-Pake; X-Opac; Xylocaine Viscous. Used as an opaque medium in x-ray diagnosis. Weighting mud in oil drilling, paper coating, paints; filler and delustrant for textiles, rubber, plastics, and lithographic inks; radiation shield. Transparent, conductive pigment. Extender pigment. Filler for paints and coatings. White solid; mp = 1580°; d = 4.500; Insoluble in H_2O. *Cyprus Industrial Min.; Foseco (FS) Ltd; Huber J. M.; Mallinckrodt Inc.; Sachtleben Chemie GmbH.*

303 Barium titanate

12047-27-7 1003 G

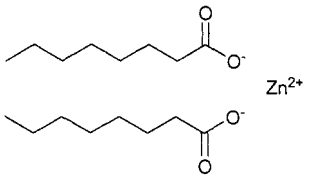
BaO_3Ti

Barium titanate(IV).

Barium metatitanate; Barium titanate(IV); Barium titanium oxide ($BaTiO_3$); Barium titanium oxide; Barium titanium trioxide; BT 01; BT 02; BT 05; BT 05 (filler); BT 8; BT 10 (titanate); BT 201; BT 204; BT 206; BT 303; BT 100M; BT 100P; BT-HD 9DX; BT-HP 8KB2; EINECS 234-975-0; HBT 3; HPBT 1; Kyorix BT-HD 9DX; Kyorix BT-S; N 220 (titanate); N 5500; Nova Chem AB; Tamtron X 7R262L; Tamtron X 7R302H; TB 1; Ticon 5016; Titanate (TiO_3^{2-}) barium (1:1); Titanate barium (1:1); Transelco 219-3; VK 4; VK 4 (oxide); YV 100AN. Ferroelectric ceramics used in storage devices, dielectric amplifiers, digital calculators. Crystals (5 forms); mp = 1625°; d = 6.0800. *Atomergic Chemetals; Ferro/Transelco; Noah Chem.; Sigma-Aldrich Fine Chem.*

304 Bärostab® L 230

557-09-5 G



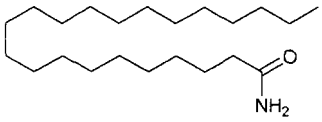
$C_{16}H_{30}O_4Zn$

Zinc octoate.

EINECS 209-156-6; NSC 63869; Octanoic acid, zinc salt; Octanoic acid, zinc salt (2:1); Zinc caprylate; Zinc dioctanoate; Zinc dioctylate; Zinc octanoate; Zinc octoate; Zinc octylate; Zinc(2+) octanoate; Zinc(II) octoate. Fast-kicking stabilizer for foam processing in production of sealings for caps; good organoleptic props., excellent color; approved for contact with foodstuffs. Very slightly soluble in H_2O.

305 Behenamide

3061-75-4 G



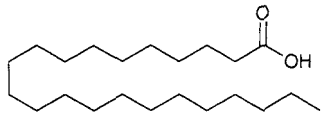
$C_{22}H_{45}NO$

n-Docosanamide.

Behenamide; Behenic acid amide; Docosanamide; EINECS 221-304-1; Uniwax 1747. Lubricant, mold release agent for EPDM and PVC processing. Solid; mp = 111-112°. *Unichema.*

306 Behenic acid

112-85-6 1024 H



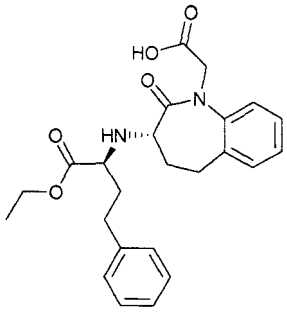
$C_{22}H_{44}O_2$

n-Docosanoic acid.

AI3-52709; Behenic acid; Docosanoic acid; 1-Docosanoic acid; n-Docosanoic acid; Docosoic acid; EINECS 204-010-8; Glycon B-70; HSDB 5578; Hydrofol 2022-55; Hydrofol Acid 560; NSC 32364. Needles; mp = 81°; bp_{60} = 306°; d^{90} = 0.8223; slightly soluble in H_2O, EtOH, Et_2O.

307 Benazepril

86541-75-5 1029 D



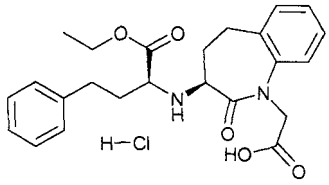
$C_{24}H_{28}N_2O_5$

(3S)-3-[[(1S)-1-Carboxy-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepine-1-acetic acid 3-ethyl ester.

Benazepril; Benazeprilum; CGS-14824A; Briem; Cibacen; Cibacène; Lotensin. Angiotensin-converting enzyme inhibitor. Used to treat hypertension. Orally active peptidyldipeptide hydrolase inhibitor. Crystals; mp= 148-149°; [α]D = -159° (c = 1.2 EtOH). *Ciba-Geigy Corp.*

308 Benazepril Hydrochloride

86541-74-4 1029 D



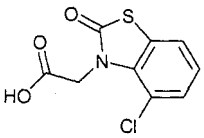
$C_{24}H_{29}ClN_2O_5$

(3S)-3-[[(1S)-1-Carboxy-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepine-1-acetic acid 3-ethyl ester hydrochloride.

Benazepril hydrochloride; Briem; CGS 14824A HCl; Cibace; Cibacen; Cibacen CHF; Cibacene; HSDB 7081; Labopol; Lotensin; Tensanil; Zinadril.; component of: Lotensin-HCT, Lotrel, Lotrel capsules. Angiotensin-converting enzyme inhibitor. Used to treat hypertension. Orally active peptidyldipeptide hydrolase inhibitor. Crystals; mp = 188-190°; [α]D = -141° (c = 0.9 EtOH). Ciba-Geigy

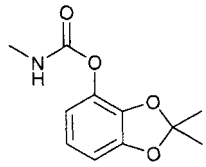
Corp.

309 **Benazolin**
3813-05-6 G P



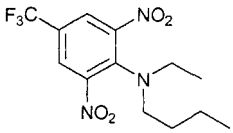
$C_9H_6ClNO_3S$
4-Chloro-2-oxo-3-(2H)-benzothiazoleacetic acid.
Acetic acid, (4-chloro-2-oxobenzothiazolin-3-yl)-; Asset; BA 7688; Ben-cornox; BEN-30; Benasalox; Benazalox; Benazolin; Benazoline; Benopan; Bensecal; Benzar; 3-Benzothiazolineacetic acid, 4-chloro-2-oxo-; 3(2H)-Benzothiazoleacetic acid, 4-chloro-2-oxo-; BRN 0749788; Chamilox; 4-Chloro-2-oxo-3(2H)-benzothia-zoleacetic acid; 4-Chloro-2-oxobenzothiazolin-3-ylacetic acid; 4-Chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid; Cornox CWK; Cresopur; EINECS 223-297-0; Eunasin; EX 10781; Galipan; Galtak; Grassland weedkiller; Herbazolin; Herbitox; Keropur; Legumex Extra; Ley-Cornox; Leymin; Metizolin; NSC 521058; RD 7693; Springclene; Tillox; Tri-cornox; Tri-cornox special; 3(2H)-Benzothiazoleacetic acid, 4-chloro-2-oxo-; BRN 0749788; Chamilox; 4-Chloro-2-oxobenzothiazolin-3-ylacetic acid; 4-Chloro-2-oxo-3(2H)-benzothiazole-acetic acid; 4-Chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid; Cornox CWK; Cresopur; Erbitox; Eunasin; EX 10781; Galipan; Galtak; Grassland weedkiller; Herbazolin; Keropur; Legumex Extra; Ley-Cornox; Leymin; Metizolin; NSC 521058; RD 7693; Springclene; Tillox; Tri-cornox; Tri-cornox special. Selective, systemic growth regulator herbicide Used for control of broad leaved weeds such as black bindweed, chickweed, cleavers and charlock. Colorless crystals; mp = 193°; soluble in H_2O (0.06 g/100 ml), Me_2CO 13.2 g/100 ml), EtOH (11.1 g/100 ml), CS_2 (0.05 g/100 ml); LD_{50} (rat orl) > 4800 mg/kg, (mus orl) = 3200 mg/kg, (rat der) > 5000 mg/kg, (Japanese quail orl) > 10200 mg/kg; LC_{50} ((trout 96 hr.) = 27 mg/l, (bluegill sunfish 24 hr.) = 24 mg/l; non-toxic to bees. *Aventis Crop Science; Schering.*

310 **Bendiocarb**
22781-23-3 1033 G P



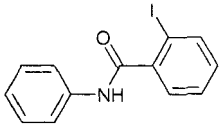
$C_{11}H_{13}NO_4$
2,2-Dimethyl-1,3-benzodioxole-N-methylcarbamate.
AI3-27695; Bencarbate; Bendiocarb; Bendiocarbe; Benzodioxole, 2,2-dimethyl-4-(N-methylaminocarb-oxylato)-; 1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl-carbamate; 1,3-Benzodioxole, 2,2-dimethyl-4-(N-methylcarbamato)-; 1,3-Benzodioxole, 2,2-dimethyl-4-(N-methylaminocarboxylato)-; BRN 1315404; Carb-amic acid, methyl-, 2,3-(dimethylmethylene-dioxy)-phenyl ester; Carbamic acid, methyl-, 2,3-(isopropyl-idenedioxy)phenyl ester; 2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate; 2,2-Dimethylbenzo-1,3-dioxol-4-yl methylcarb-amate; 2,3-Isopropylidene-dioxyphenyl methylcarbamate; Dycarb; Ficam; Ficam 80W; Ficam B; Ficam D; Ficam Plus; Ficam ULV; Ficam W; Ficam Z; Fisons NC 6897; Fuam; Garvox; HSDB 3918; Methylcarbamic acid, 2,3-(dimethylmethylenedioxy)-phenyl ester; Methylcarb-amic acid 2,3-(isopropyiidenedioxy)phenyl ester; Mult-amat; Multimet; NC 6897; Niomil; OMS-1394; RCRA waste no. U278; Rotate; Sedox; Seedox; Seedox 80W; Seedoxin; Tatoo; Tattoo; Turcam. Insecticide with contact action. Registered by EPA as an insecticide. White solid; mp = 129 - 130°; sg^{20} = 1.25; soluble in H_2O (0.004 g/100 ml), Me_2CO (20 g/100 ml), $CHCl_3$ (30 g/100 ml), CH_2Cl_2 (30 g/100 ml), dioxane (20 g/100 ml), C_6H_6 (4 g/100 ml), EtOH (4 g/100 ml), o-xylene (1 g/100 ml), C_6H_{14} (0.035 g/100 ml), kerosene (< 0.1 g/100 ml); LD_{50} (rat orl) = 40 - 156 mg/kg, (mus orl) = 45 mg/kg, (gpg orl) = 35 mg/kg, (rbt orl) = 35 - 40 mg/kg, (rat der) = 566 - 800 mg/kg, (bee) = 0.0001 mg/bee; LC_{50} (rat ihl 4 hr.) = 0.55 mg/l air, (rainbow trout 96 hr.) = 1.55 mg/l; toxic to bees. *AgrEvo; Chemisco; Farnam Companies Inc.; Scotts-Sierra Crop Protection; Value Gardens Supply LLC; Voluntary Purchasing Group Inc.*

311 **Benfluralin**
1861-40-1 1067 G H P



$C_{13}H_{16}F_3N_3O_4$
N-butyl-N-ethyl-2,6-dinitro-4-trifluoromethylaniline.
Balan; Balan 1.5 LC; Balan 2.0G; Balan 2.5 G; Balfin; Banafine; Benalan; Benefex; Benefin; Benephin; Benfluralin; Benfluraline; Bethrodine; Binnell; Blulan; Bonalan; BRN 2821329; Carpidor; Caswell No. 130; EINECS 217-465-2; EL-110; Emblem; EPA Pesticide Chemical Code 084301; Flubalex; HSDB 407; L 54521; Pel-Tech; Quilan. A pre-emergence herbicide with a wide range of weed control both of annual grass weeds and broad-leaved weeds. Registered by EPA as a herbicide. Yellow-orange crystals; mp = 65 - 66.5°; bp_7 = 148 - 149°, $bp_{0.5}$ = 121 - 122°; poorly soluble in H_2O (< 0.0001 g/100 ml), soluble in Me_2CO (65 g/100 ml), dioxane (60 g/100 ml), MEK (58 g/100 ml), $CHCl_3$ (> 50 g/100 ml), DMF (45 g/100 ml), xylene (45 g/100 ml), MeOH (4 g/100 ml), EtOH (2.4 g/100 ml); LD_{50} (rat orl) > 10000 mg/kg, (mus orl) > 5000 mg/kg, (dog, rbt orl) > 2000 mg/kg, (mallard duck, bobwhite quail, ckn orl) > 2000 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 0.064 mg/l. *Agan Chemical Manufacturers; Dow AgroSciences; Earth Care; Riverdale Chemical Co; UAP - Platte Chemical; UAP-West; United Horticultural Supply.*

312 **Benodanil**
15310-01-7 G P

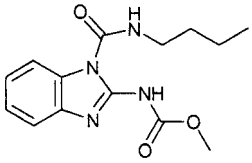


$C_{13}H_{10}INO$
2-Iodo-N-phenylbenzamide.
3-12-00-00506 (Beilstein Handbook Reference); Apache; BAS-3170; BAS 3170F; Benefit; Benodanil; Benzamide, 2-iodo-N-phenyl-; Benzanilide, 2-iodo-; BRN 2725018; Calirus; 2-Iodo-N-phenylbenzamide; 2-Iodobenzanilide; 2-Iodobenzoic acid anilide; NSC 100499. Systemic and contact fungicide with protective and curative action. Used for control of rust disease in various crops. Colorless crystals; mp = 137°; soluble in H_2O (0.002 g/100 ml), Me_2CO (40 g/100 ml), EtOAc (12 g/100 ml), EtOH (9.3 g/100 ml), $CHCl_3$ (7.7 g/100 ml); LD_{50} (rat, gpg orl) > 6400 mg/kg, (rat der) > 2000 mg/kg; LC_{50} (trout 96 hr.) = 6.4 mg/l; non-toxic to bees. *BASF*

Corp.

313 **Benomyl**

17804-35-2 1042 G P



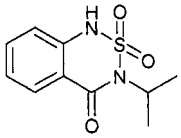
$C_{14}H_{18}N_4O_3$

[1-[(Butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamic acid methyl ester.

5-25-10-00390 (Beilstein Handbook Reference); Agrocit; Arbortrine; Arilate; BBC; BC 6597; Benex; Benlate; Benlate 50; Benlate 50 W; Benlate(R); Benomyl-imex; Benosan; Benzimidazolecarbamic acid, 1-(butylcarb-amoyl)-, methyl ester; 2-Benzimidazolecarbamic acid, 1-(butylcarbamoyl)-, methyl ester; BNM; BRN 0825455; 1-(butylcarbamoyl)-1H-benzimidazol-2-yl-, methyl ester; 1-(Butylcarbamoyl)-2-benzimidazolecarbamic acid methyl ester; 1-(Butylcarbamoyl)-2-benzimidazol-methylcarb-amat; 1-(N-Butylcarbamoyl)-2-(methoxy-carboxamido)-benzimidazol; Carbamic acid, methyl-, 1-(butyl-carbamoyl)-2-benzimidazolyl ester; Carbamic acid, (1-((butylamino)carbonyl)-1H-benzimidazol-2-yl)-, methyl ester; Caswell No. 075A; CCRIS 773; Chinoin-fundazol; D 1991; Dupont 1991; EPA Pesticide Chemical Code 099101; F1991; Fibenzol; Fundazol; Fungicide D-1991; Fungochrom; HSDB 1655; Kribenomyl; MBC; Methyl 1-((butyl-amino)carbonyl)-1H-benzimidazol-2-ylcarbamate; Methyl 1-(butylcarbamoyl)-2-benzimidazolylcarb-amate; Methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate; NS 02; NS 02 (fungicide); NSC 263489; RCRA waste no. U271; Tersan 1991; Uzgen. Fungicide and acaricide for garden use. Registered by EPA as a fungicide. White crystals; almost insoluble in H_2O (0.0002 g/100 ml), soluble in $CHCl_3$ (13.8 g/100 ml), DMF (5 g/100 ml), Me_2CO (1.4 g/100 ml), xylene (0.8 g/100 ml), EtOH (0.3 g/100 ml); LD_{50} (rat orl) > 9590 mg/kg, (rbt der) > 10000 mg/kg, (bee contact, oral) > 0.01 mg/kg; LC_{50} (rat ihl 4 hr.) > 2 mg/l air, (mallard duck, bobwhite quail 8 day dietary) > 500 mg/kg diet, (rainbow trout 96 hr.) = 0.17 mg/l, (goldfish 96 hr.) = 4.2 mg/l, (guppy 48 hr.) = 3.4 mg/l, (*Daphnia* 48 hr.) = 0.64 mg/l; non-toxic to bees. *DuPont; Hi-Yield Chemical Co.; ICI Chem. & Polymers Ltd.*

314 **Bentazone**

25057-89-0 1051 G P



$C_{10}H_{12}N_2O_3S$

3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-dioxide.

Adagio; BAS 351-07H; BAS 351H; BAS 351-H; BAS 3510; BAS 3510H; BAS 3512H; BAS 3517H; Basagran; Basagran 480; Basagran DP; Basagran KV; Basagran M; Basagran-plus; Bendioxide; Bentazon; Bentazone; 1H-2,1,3-Benzothiadiazin-4(3H)-one-2,2-dioxide, 3-iso-propyl-; 1H-2,1,3-Benzothiadiazin-4(3H)-one, 3-(1-methyl-ethyl)-, 2,2-dioxide; BRN 0530220; Caswell No. 509C; CCRIS 6977; EINECS 246-585-8; EPA Pesticide Chemical Code 275200; Graminon-plus; Herbatox; HSDB 3430; 3-Isopropyl-1H-benzo-2,1,3-thiadiazin-4-one 2,2-dioxide; 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-di-oxide; 3-Isopropyl-2,1,3-benzothiadiazinon-(4)-2,2-; *Shell.*

315 **Bentonite**

1302-78-9 1053 G

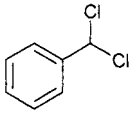
$Al_2O_3.4SiO_2.H_2O$

Hydrated aluminum silicate.

250M; Accofloc 352; Accugel F; AEG 325; Akajo; Albagel Premium USP 4444; Altonit SF; Aquagel; Aquagel Gold Seal; Asama; Askangel; Ben-A-Gel®; Benclay; Bengel; Bengel 11; Bengel 15; Bengel 23; Bengel A; Bengel FW; Bengel HVP; Bensulfoid; BentoGrout; Bentolite HS; Bentolite L; Bentone 660; Bentonit T; Bentonite; Bentonite 2073; Bentonite, calcian-sodian; Bentonite magma; Bentosolon 82; Black Hills BH 200; Bulgarben BA; CCRIS 3663; Clarit BW 100; Clarit BW 125; Colloidal clay; Cosintam 403; Culvin; CVIS; Detercal G 1FC; Detercal G 2FC; Detercol P 2; EINECS 215-108-5; EX 0030 (clay); EX 0276; EX-M 703; Filgel; Fulbent 570; G 100 (clay); GK 129SA3; GK 129SA5; HI-Jel; HSDB 392; Imvite I.G.B.A; K 129-H; Korthix; Korthix H-NF; Magbond; Otaylite; Panther creek bentonite; Soap clay; Sodium montmorillonite; Southern bentonite; Tixoton; Volcaly bentonite BC; Volclay; Wilkinite; Wilkonite; Wyoming sodium bentonite; Yellowstone. Native hydrated colloidal aluminum silicate clay; oil-well drilling fluids, cement slurries for oil-well casings, thickener, fireproofing, cosmetics, decolorizing agent, filler in ceramics, emulsifier for oils, suspending agent in pharmaceuticals, base for plasters. Beneficiated bentonite clay used as thickening, gelling and emulsifying agent for water systems, a thixotropic agent for water-based paints, inks, polishes, adhesives, and for household products a thickener and suspending agent for liquid abrasive cleaning compounds, water treatment; retention aid for paper, in cosmetics and pharmaceuticals, steel production and foundries. Powder; forms gels readily with H_2O. 779; 825; 829; 856; 857; 858; 896.

316 **Benzal chloride**

98-87-3 1056 H



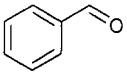
$C_7H_6Cl_2$

Benzene, (dichloromethyl)- .

4-05-00-00817 (Beilstein Handbook Reference); AI3-28597; Benzal chloride; Benzene, dichloromethyl-; Benzyl dichloride; Benzylene chloride; Benzylidene chloride ; BRN 1099407; CCRIS 959; Chlorobenzal; Chlorure de benzylidene; Cloruro de bencilideno; Dichlorophenylmethane; EINECS 202-709-2; HSDB 5322; NSC 7915; RCRA waste number U017; Toluene, α,α-dichloro-; UN1886 . Liquid; mp = -17°; bp = 205°; d^{25} = 1.26; λ_m = 220, 240, 247, 259, 265, 272, 288 nm (MeOH); very soluble in EtOH, Et_2O.

317 **Benzaldehyde**

100-52-7 1057 G H



C_7H_6O

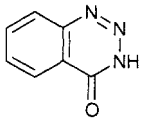
Benzoic aldehyde.

Artifical essential oil of almond; Phenylmethanal; almond artificial essential oil; artificial almond oil; benzenecarbonal; benzene carboxaldehyde; oil of bitter almond; Artificial Bitter Almond Oil; Benzene methylal; Benzoyl hydride. Synthetic oil of bitter almond; Chemical intermediate for dyes, flavors, perfumes, aromatic alcohols; solvent for oils, resins, cellulose acetate and nitrate; manufacture of cinnamic acid, benzoic acid; pharmaceuticals; photographic chemicals. Oily liquid; mp = -26°; bp = 179°; d^{10} = 1.0415; λ_m = 241, 283, 290 nm (ε = 15849, 1259, 1000, C_6H_{14});

slightly soluble in H_2O, soluble in $CHCl_3$, liq. NH_3; very soluble in C_6H_6, ligroin, Me_2CO, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1300 mg/kg. 306; 553; 841; 847; 1201; 1281; 3000; 3016.

318 Benzazimide

90-16-4 H



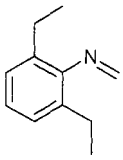
$C_7H_5N_3O$

1,2,3-Benzotriazin-4(1H)-one .

AI3-28017; Benzazimide; Benzazimidone; Benzo-ketotriazine; 1,2,3-Benzotriazin-4-one; 1,2,3-Benzo-triazin-4-ol; 1,2,3-Benzotriazin-4(1H)-one; EINECS 201-971-5; HSDB 5270; NSC 13563; USAF MA-2.

319 Benzenamine, 2,6-diethyl-N-methylene-

35203-08-8 H

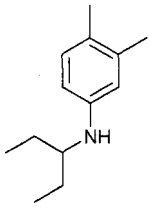


$C_{11}H_{15}N$

Benzenamine, 2,6-diethyl-N-methylene-.

320 Benzenamine, N-(1-ethylpropyl)-4,5-dimethyl-

56038-89-2 H



$C_{13}H_{21}N$

Benzenamine, N-(1-ethylpropyl)-4,5-dimethyl-.

321 Benzene

71-43-2 1066 G H

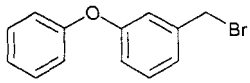
C_6H_6

Benzene.

AI3-00808; (6)Annulene; Benzeen; Benzen; Benzene; Benzin; Benzin (Obs.); Benzine; Benzol; Benzol 90; Benzol diluent; Benzole; Benzolene; Benzolo; Bicarburet of hydrogen; Carbon oil; Caswell No. 077; CCRIS 70; Coal naphtha; Cyclohexatriene; EINECS 200-753-7; EPA Pesticide Chemical Code 008801; Fenzen; HSDB 35; Mineral naphtha; Motor benzol; NCI-C55276; Nitration benzene; NSC 67315; Phene; Phenyl hydride; Polystream; Pyrobenzol; Pyrobenzole; RCRA waste number U019; UN 1114 . Used in manufacture of ethylbenzene, dodecylbenzene, cyclohexane, phenol, nitrobenzene, chlorobenzene; dyes, medicinals, artificial leather, airplane dopes, lacquers; solvent for waxes, resins, oils. Liquid; mp = 5.5°; bp = 80°; d ■ 0.8790; λ_m = 243, 248, 254, 260, 268 nm (cyclohexane); highly flammable; LD_{50} (rat orl) = 3.8 ml/kg. 481; 668; 980; 1159; 1162; 1167; 1281.

322 Benzene, 1-(bromomethyl)-3-phenoxy-

51632-16-7 H



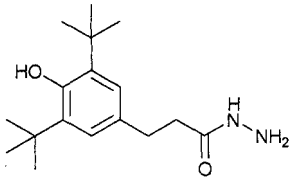
$C_{13}H_{11}BrO$

1-(Bromomethyl)-3-phenoxybenzene.

Benzene, 1-(bromomethyl)-3-phenoxy-; α-Bromo-3-phenoxytoluene; 1-(Bromomethyl)-3-phenoxybenzene; m-(Bromomethyl)phenyl phenyl ether; EINECS 257-327-9; m-Phenoxybenzyl bromide; 3-Phenoxybenzyl bromide.

323 Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, hydrazide

32687-77-7 H



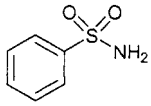
$C_{17}H_{28}N_2O_2$

Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, hydrazide.

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, hydrazide; 3-(3,5-Di-tert-butyl-4-hydroxy-phenyl)propionohydrazide; 3,5-Di-tert-butyl-4-hydr-oxyhydrocinnamic acid, hydrazide; EINECS 251-155-8; Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, hydrazide.

324 Benzenesulfonamide

98-10-2 G



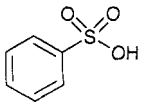
$C_6H_7NO_2S$

Benzenesulfonamide.

4-11-00-00050 (Beilstein Handbook Reference); AI3-04492; Benzenesulfonamide; Benzenesulphonamide; Benzolsulfonamide; Benzosulfonamide; BRN 1100566; EINECS 202-637-1; M and B 7973; NSC 5341. Chemical intermediate. Crystals; mp = 150-152°; soluble in H_2O (0.43 g/100 ml), organic solvents; LD_{50} (rat orl) = 991 mg/kg. *Unitex*.

325 Benzenesulfonic acid

98-11-3 1070 H



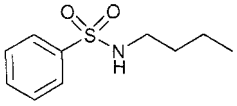
$C_6H_6O_3S$

Benzenesulfonic acid.

17-120A; 4-11-00-00027 (Beilstein Handbook Reference); AI3-15297; Benzene sulphonic acid; Benzenemonosulfonic acid; Benzenesulfonic acid; Benzenesulphonic acid; Besylic acid; BRN 0742513; CCRIS 4595; EINECS 202-638-7; HSDB 2642; Kyselina benzensulfonova; Phenylsulfonic acid. Used in manufacture of phenol. Needles; mp = 65°; λ_m = 235, 252, 258, 262, 265, 269 nm (ε = 731, 218, 273, 308, 265, 253, MeOH); insoluble in Et_2O, CS_2, slightly soluble in C_6H_6, soluble in AcOH, very soluble in H_2O, EtOH.

326 Benzenesulfonic acid butyl amide

3622-84-2 G H



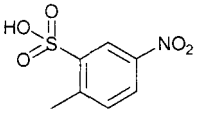
$C_{10}H_{15}NO_2S$

N-Butylbenzene sulfonamide.

4-11-00-00051 (Beilstein Handbook Reference); AI3-08011; Benzenesulfonamide, N-butyl-; Benzenesulfonic acid butyl amide; BM 4 (sulfonamide); BRN 2725965; Cetamoll BMB; Dellato® BBS; EINECS 222-823-6; N-Butylbenzenesulfonamide; N-Butylbenzenesulphon-amide; NSC 3536; Plasthall BSA; Plastomoll® BMB; Uniplex 214. Plasticizer for polymide 6, 66, 11, and 12 and copolymides; also for flexibilizing cellulose derivatives, especially flame-retardant cable coatings based on cellulose acetate and cellulose acetobutyrate. *BASF Corp.; Bayer AG; Unitex.*

327 Benzenesulfonic acid, 2-methyl-5-nitro-

121-03-9 H



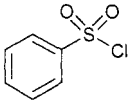
$C_7H_7NO_5S$

4-Nitro-2-toluenesulfonic acid.

3-11-00-00173 (Beilstein Handbook Reference); 4-Nitro-2-toluenesulfonic acid; 4-Nitrotoluene-2-sulphonic acid; 5-Nitro-2-methylbenzenesulfonic acid; 5-Nitro-o-toluenesulfonic acid; Benzenesulfonic acid, 2-methyl-5-nitro-; BRN 2216176; EINECS 204-445-3; HSDB 5470; Kyselina 4-nitrotoluen-2-sulfonova; p-Nitrotoluene-o-sulfonic acid; NSC 9580; Pntos.

328 Benzenesulfonyl chloride

98-09-9 1072 H



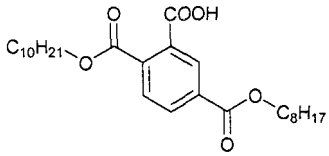
$C_6H_5ClO_2S$

Benzenesulfonyl chloride.

4-11-00-00049 (Beilstein Handbook Reference); AI3-18043; Benezenesulfochloride; Benzene sulfochloride; Benzene sulfonechloride; Benzene sulfonyl chloride; Benzenesulfon chloride; Benzenesulfonic acid chloride; Benzenesulfonyl chloride; Benzenesulphonyl chloride; Benzenosulfochlorek; Benzenosulfochloride; Benzeno-sulphochloride; Benzolsulfochloride; BRN 0606926; BSC-refine D; EINECS 202-636-6; HSDB 6004; NSC 2864; Phenylsulfonyl chloride; RCRA waste number U020; UN2225. Solid; mp = 14.5°; bp = 251° (dec); d^{15} = 1.3470; λ_m = 210, 270 nm (ε = 12023, 1259, EtOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6.

329 1,2,4-Benzenetricarboxylic acid, decyl octyl ester

67989-23-5 H



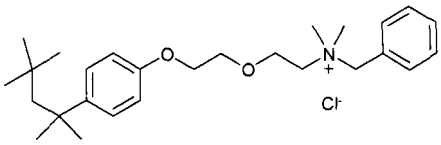
$C_{27}H_{42}O_6$

1,2,4-Benzenetricarboxylic acid, decyl octyl ester.

1,2,4-Benzenetricarboxylic acid, decyl octyl ester; EINECS 268-007-3.

330 Benzethonium chloride

121-54-0 1074 G P V



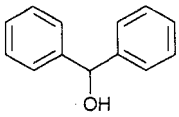
$C_{27}H_{42}ClNO_2$

N,N-Dimethyl-N-[2-[2-[4-(1,1,3,3-tetramethylbutyl)-phenoxy]ethoxy]ethyl]benzenemethaminium chloride.

Anti-germ 77; Antiseptol; Antiseptol (quaternary com-pound); Banagerm; Benzethoni chloridum; Benzethonii chloridum; Benzethonium; Benzethonium chloride; Benzetonio cloruro; Benzetonium chloride; BZT; Caswell No. 614B; CCRIS 4748; Chlorure de benzethonium; Cloruro de benzetonio; Diapp; Diisobutyl phenoxy ethoxy ethyl dimethyl benzyl ammonium chloride; Diisobutylphenoxyethoxyethyl-dimethyl benzyl ammon-ium chloride; Diisobutyl-phenoxyethoxyethyl dimethyl benzyl ammonium chloride; p-Diisobutyl phenoxy-ethoxyethyl dimethyl benzylammonium chloride; (2-(2-(4-Diisobutyl-phen-oxy)ethoxy)ethyl)dimethylbenzyl-ammonium chloride; 2-(2-(p-(Diisobutyl)phenoxy)-ethoxy)ethyl dimethyl benzyl ammonium chloride; Disilyn; EINECS 204-479-9; EPA Pesticide Chemical Code 069154; Formula 144; HSDB 567; Hyamine; Hyamine 1622; Inactisol; Kylacol; NCI-C61494; NSC 20200; p-tert-Octyl-phenoxyethoxyethyldimethylbenzyl-ammonium chloride; Phemeride; Phemerol chloride; Phemithyn; Polymine D; QAC; Quatrachlor; Sanizol; Solamin; Solamine. A topical anti-infective, used primarily in cosmetics for its antimicrobial and cationic surfactant properties. Bactericide, deodorant, anti-infective; antiseptic (veterinary); preservative for veterinary and pharmaceutical products. Registered by EPA as an antimicrobial and disinfectant. Colorless crystals; mp = 160 - 165°; soluble in H_2O, EtOH, $CHCl_3$, slightly soluble in Et_2O; LD_{50} (mus iv) = 29.5 mg/kg. *Chemical Packaging Corp.; Earth Care; Gold Coast Chemical Products; Lonza Ltd.; Lonzagroup; Metrex Research Corp; Microban Systems Inc.; Parke Davis & Co. Ltd.; Parke-Davis; Wepak Corp.*

331 Benzhydrol

91-01-0 1091 G



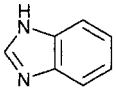
$C_{13}H_{12}O$

Diphenyl methanol.

4-06-00-04648 (Beilstein Handbook Reference); AI3-03066; Benzenemethanol, α-phenyl-; Benzhydrol; Benzhydryl alcohol; Benzohydrol; BRN 1424379; Diphenyl carbinol; Diphenylcarbinol; Diphenylmethanol; Diphenylmethyl alcohol; EINECS 202-033-8; Hydroxy-diphenylmethane; NSC 32150; α-Phenylbenzene-methanol. Used in organic synthesis Solid; mp = 69°; bp = 298°, bp_{20} = 180°; λ_m = 242, 253, 258, 264 nm (ε = 304, 472, 520, 395, MeOH); slightly soluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) ◘ 5000 mg/kg. *Alfa Aesar; Purecha Group.*

332 Benzimidazole

51-17-2 1082 G



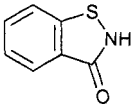
$C_7H_6N_2$

1,3-benzodiazole.

5-23-06-00196 (Beilstein Handbook Reference); AI3-03737; 3-Azaindole; Azindole; Benzimidazole; o-Benzimidazole; 1H-Benzimidazole; 1,3-Benzodiazole; Benzimidazole; Benziminazole; Benzoglyoxaline; Benzoimidazole; BRN 0109682; BZI; CCRIS 5967; 1,3-Diazaindene; EINECS 200-081-4; HSDB 2797; N,N'-Methenyl-o-phenylenediamine; NSC 759. Used in chemical synthesis, particularly of pesticides. Crystals; mp = 172-174°; soluble in H_2O, organic solvents; LD_{50} (mus orl) = 2910 mg/kg. *Alcoa Ind. Chem.; Naturex; Penta Mfg.; Schweizerhall Pharma.*

333 Benzisothiazolin-3-one

2634-33-5 G P



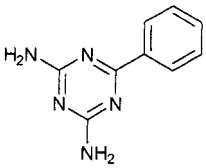
C_7H_5NOS

1,2-Benzisothiazol-3(2H)-one.

1,2-Benzisothiazol-3(2H)-one; 1,2-Benzisothiazolin-3-one; 1,2-Benzisothiazoline-3-one; Caswell No. 079A; Caswell No. 513A; CCRIS 6369; EINECS 220-120-9; EPA Pesticide Chemical Code 098901; IPX; Nipacide® BIT; Proxan; Proxel PL. Used as a preservative in over 150 products, including cleaning agents, polishes,and paints. Used as a preservative in cooling fluids, paints, adhesives, paper and in the textile industry. The concentration is less than 0.01% in 46% of products and greater than 0.1% in 24%. The concentration is lowest in shampoos, skin care agents, cleaning agents, printing inks, and polishes. Sensitized patients have reacted to 0.0099% concentration in aqueous and alcohol. Registered by EPA as an antimicrobial and fungicide. Solid; mp = 154-158°. *Avecia Inc.; Clariant Corp.; Creanova Inc.; Nipa; Ondeo Nalco Co.; PMC; Sanitized Inc; Thor; Troy Chemical Corp; Trutec Industries Inc; Zeneca Pharm.*

334 Benzoguanamine

91-76-9 1090 H



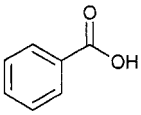
$C_9H_9N_5$

1,3,5-Triazine-2,4-diamine, 6-phenyl-.

4-26-00-01244 (Beilstein Handbook Reference); AI3-22162; Benzoguanamine; Benzoguanimine; BRN 0153223; EINECS 202-095-6; ENT 60118; HSDB 5275; NSC 3267; s-Triazine, 2,4-diamino-6-phenyl-; USAF RH-5. Used in manufacture ofdyestuffs, pesticides, drugs and polymers. Solid; mp = 226.5°; d^{25} = 1.40; λ_m = 243 nm (ε = 27900 MeOH); soluble in EtOH, Et_2O, CF_3COOH. *Alfa Aesar; Manuel Vilaseca SA; Solutia, Inc.; Wuhan Youji Industries Co. Ltd.*

335 Benzoic acid

65-85-0 1092 G P



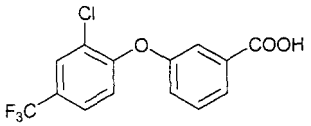
$C_7H_6O_2$

Benzenecarboxylic acid.

Acide benzoique; Acido benzoico; AI3-0310; AI3-03710; Benzenecarboxylic acid; Benzeneformic acid; Benzenemethanoic acid; Benzenemethonic acid; Benzoate; Benzoesäure; Benzoesäure GK; Benzoesäure GV; Benzoesaeure; Benzoesaeure GK; Benzoesaeure GV; Benzoic acid; Carboxybenzene; Caswell No. 081; CCRIS 1893; Diacylic acid; Dracylic acid; E 210; EINECS 200-618-2; EPA Pesticide Chemical Code 009101; FEMA No. 2131; Flowers of Benjamin; Flowers of benzoin; HA 1; HA 1 (acid); HSDB 704; Kyselina benzoova; NSC 149; Oracylic acid; Phenylcarboxylic acid; Phenylformic acid; Retarder BA; Retardex; Salvo; Salvo liquid; Solvo powder; Tenn-Plas; Tennplas; Unisept BZA; Used in the manufacture of sodium and butyl benzoates, plasticizers, benzoyl chlorides, food preservatives, flavors, perfumes, antifungal agent. Fungicide. Registered by EPA as a fungicide and insecticide (cancelled). FDA GRAS, included in the FDA Inactive Ingredients Guide (im and iv injections, irrigation and oral solutions, suspensions, syrups and tablets, rectal, topical and vaginal preparations). Used as an antimicrobial preservative in cosmetics, foods and pharmaceuticals. Used in the manufacture of sodium and butyl benzoates, plasticizers, benzoyl chlorides, food preservatives, flavors, perfumes, antifungal agent. White crystals; mp = 122.4°; bp = 249°; d^{24} = 1.311; soluble in H_2O (0.29 g/100 ml), EtOH (37.0 g/100 ml at 15°, 45.4 g/100 ml at 37°), Me_2CO (43.5 g/100 ml), C_6H_6 (10.6 g/100 ml), $CHCl_3$ (22.2 g/100 ml), Et_2O (33.3 g/100 ml) and other organic solvents; LD_{50} (rat orl) = 1700 mg/kg, 2530 mg/kg, (mus orl) = 1940 mg/kg, (mus ip) = 1460 mg/kg, (dog orl) ◘ 2000 mg/kg, (cat orl) = 2000 mg/kg. *Ashland; E. Merck; Elf Atochem N. Am.; Fluka; Greeff R.W. & Co.; Integra; Jan Dekker; Mallinckrodt Inc.; Mitsubishi Corp.; Napp Labs Ltd; Nipa; Penta Mfg.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Velsicol.*

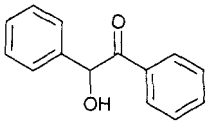
336 Benzoic acid, 3-(2-chloro-4-(trifluoromethyl)phenoxy)-

63734-62-3 H



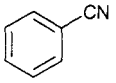
$C_{14}H_8ClF_3O_3$
3-(2-Chloro-4-(trifluoromethyl)phenoxy)benzoic acid.
Benzoic acid, 3-(2-chloro-4-(trifluoromethyl)phenoxy)-; 3-(2-Chloro-4-(trifluoromethyl)phenoxy)benzoic acid; EINECS 264-433-9.

337 **Benzoin**
119-53-9 1094 D G



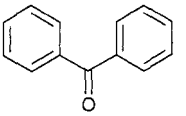
$C_{14}H_{12}O_2$
α-Hydroxybenzyl phenyl ketone.
4-08-00-01279 (Beilstein Handbook Reference); Aceto-phenone, 2-hydroxy-2-phenyl-; AI3-00851; Benzoin; (±)-Benzoin; Benzoin extract (resinoid); Benzoylphenyl-carbinol; Bitter-almond-oil camphor; BRN 0391839; CCRIS 75; CCRIS 6696; EINECS 204-331-3; EINECS 209-441-5; Ethanone, 2-hydroxy-1,2-diphenyl-; FEMA No. 2132; Fenyl-α-hydroxybenzylketon; HSDB 384; 2-Hydroxy-2-phenylacetophenone; 2-Hydroxy-1,2-di-phenylethanone; (1)-2-Hydroxy-1,2-diphenylethan-1-one; α-Hydroxy-α-phenylacetophenone; α-Hydroxybenzyl phenyl ketone; Ketone, α-hydroxybenzyl phenyl; NCI-C50011; NSC 8082; Phenylbenzoyl carbinol; Phenyl-α-hydroxybenzyl ketone; WY-42956. Organic synthesis; intermediate; photopolymerization catalyst. Crystals; mp = 134-136°; bp_{12} = 194°; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat orl) = 10 gm/kg. *Janssen Chimica; Madis Dr. Labs; Sigma-Aldrich Fine Chem.; Snia UK; Spectrum Chem. Manufacturing.*

338 **Benzonitrile**
100-47-0 1098 G



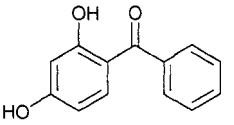
C_7H_5N
Phenyl cyanide.
AI3-24184; Benzene, cyano-; Benzenecarbonitrile; Benzenenitrile; Benzoic acid nitrile; Benzonitrile; CCRIS 3184; Cyanobenzene; EINECS 202-855-7; Fenylkyanid; HSDB 45; NSC 8039; Phenyl cyanide; UN2224. Manufacture of benzoquanamine; intermediate for rubber chemicals; solvent for nitrile rubber, specialty lacquers, resins and polymers, anhydrous metallic salts. Liquid; mp = -12.7°; bp = 191.1°; d^{15} = 1.0093; λ_m = 222, 230, 263, 277 nm (ε = 10600, 9100, 804, 932, MeOH); slightly soluble in H_2O (1.0 g/100 ml), soluble in CCl_4, very soluble in Me_2CO, C_6H_6, freely soluble in EtOH, Et_2O; LD_{50} (mus orl) = 971 mg/kg. *Penta Mfg.; PMC; Spectrum Chem. Manufacturing.*

339 **Benzophenone**
119-61-9 1099 G H



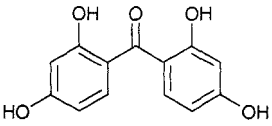
$C_{13}H_{10}O$
Diphenyl ketone.
ADK STAB 1413; AI3-00754; Benzene, benzoyl-; Benzophenone; Benzoylbenzene; Caswell No. 081G; CCRIS 629; Diphenyl ketone; Diphenylmethanone; EINECS 204-337-6; EPA Pesticide Chemical Code 000315; FEMA No. 2134; HSDB 6809; Ketone, diphenyl; Methanone, diphenyl-; NSC 8077; Phenyl ketone. UV absorber for polyolefins, PVC, etc.; good compatibility with polymers. Prisms; mp = 47.8°; bp = 305.4°; λ_m = 252, 331 nm (ε = 18600, 167, MeOH); insoluble in H_2O, soluble in C_6H_6, MeOH, very soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$, CS_2, AcOH. *Asahi Denka Kogyo.*

340 **Benzophenone-1**
131-56-6 1107 G H



$C_{13}H_{10}O_3$
2,4-Dihydroxybenzophenone.
4-08-00-02442 (Beilstein Handbook Reference); 4-Benzoyl resorcinol; Advastab 48; Benzophenone-1; Benzophenone, 2,4-dihydroxy-; Benzoresorcinol; BRN 1311566; Dastib 263; Eastman Inhibitor DHPB; EINECS 205-029-4; HHB; HSDB 5617; Inhibitor DHBP; Methanone, (2,4-dihydroxyphenyl)phenyl-; NSC 38555; Quinsorb 010; Resbenzophenone; Syntase 100; UF 1; USAF DO-28; USAF ND-54; UV 12; Uvinul® 400; Uvistat 12. UV absorber; used for polyester, acrylics, PS, in outdoor paints and coatings, varnishes, colored liquid toiletries and cleaning agents, filters for photographic color films and prints, and rubber-based adhesives. Crystals; mp = 144-147°; bp_1 = 194°; insoluble in H_2O, soluble in organic solvents. *BASF Corp.; EM Ind. Inc.; Ferro/Bedford; Greeff R.W. & Co.; Haarmann & Reimer GmbH; Hoechst Celanese; Quest Intl.; Sartomer.*

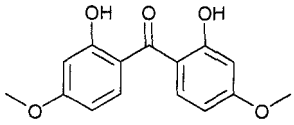
341 **Benzophenone-2**
131-55-5 G



$C_{13}H_{10}O_5$
2,2',4,4'-Tetrahydroxybenzophenone.
4-08-00-03505 (Beilstein Handbook Reference); Benzophenone-2; Benzophenone, 2,2',4,4'-tetrahydroxy-; Bis(2,4-dihydroxyphenyl)methanone; BRN 1914746; EINECS 205-028-9; Methanone, bis(2,4-dihydroxy-phenyl)-; NSC 38556; 2,2',4,4'-Tetrahydroxybenzo-phenone; 2,4,2',4'-Tetrahydroxybenzophenone; Uvinol D-50; Uvinul D-50. Commercial UV absorber with the broadest UV absorption spectrum; retards fading of pigments and dyestuffs; prolongs the life of polymeric materials; photostabilizes cosmetic formulations; and minimizes discoloration of synthetic rubber of plastic latices. Crystals; mp = 200-203°; LD_{50} (rat orl) = 1220 mg/kg. *BASF Corp.; EM Ind. Inc.; Ferro/Bedford; Greeff R.W. & Co.; Haarmann & Reimer GmbH; Hoechst Celanese; Quest Intl.;*

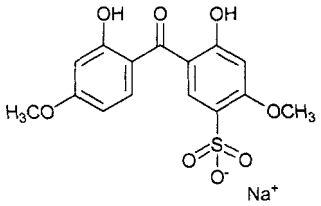
Sartomer.

342 **Benzophenone-6**
131-54-4 1100 G



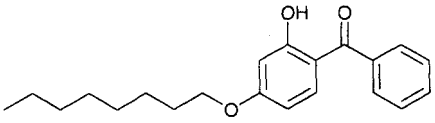
$C_{15}H_{14}O_5$
2,2'-Dihydroxy-4,4' -dimethoxybenzophenone.
4-08-00-03505 (Beilstein Handbook Reference); 4,4'-Dimethoxy-2,2'-dihydroxybenzophenone; Benzophen-one, 2,2'-dihydroxy-4,4'-dimethoxy-; Benzophenone-6; Bis(2-hydroxy-4-methoxyphenyl)methanone; BRN 1887087; Caswell No. 353C; Cyasorb UV 12; 2,2'-Dihydroxy-4,4'-dimethoxybenzophenone; EINECS 205-027-3; Methanone, bis(2-hydroxy-4-methoxyphenyl)-; NSC 40149; Uvinul® D 49. Organic benzophenone derivative; UV light absorber, used especially in paints and plastics. Most economical of the near-uv absorbers; greater heat stability and more solubility (in chlorinated and aromatic solvents); gives broad protection to plastics, coatings, textiles such as PVC, chlorinated polyesters, epoxies, acrylics, urethanes and cellulosics. Crystals; mp = 139.5°; λ_m = 284, 340 nm (log ε 4.12, 4.12). *BASF Corp.; EM Ind. Inc.; Ferro/Bedford; Greeff R.W. & Co.; Haarmann & Reimer GmbH; Hoechst Celanese; Quest Intl.; Sartomer.*

343 **Benzophenone-9**
3121-60-6 G



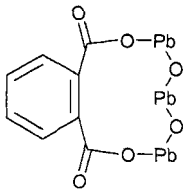
$C_{15}H_{13}NaO_8S$
Sodium 2,2'-dihydroxy-4,4'-dimethoxy-5-sulfobenzo-phenone.
Benzenesulfonic acid, 4-hydroxy-5-(2-hydroxy-4-methoxybenzoyl)-2-methoxy-, monosodium salt; Benzophenone-9; EINECS 221-498-8; NSC 76059; Sodium 2,2'-dihydroxy-4,4'-dimethoxy-5-sulfobenzo-phenone; Sodium 4-hydroxy-5-(2-hydroxy-p-anisoyl)-2-methoxybenzenesulphonate; Uvinul® DS 49. Organic benzophenone derivative; a sulfonated derivative of Uvinul D-49 [131-54-4]; UV absorber in cosmetic formulations to prevent fading of colors and viscosity changes caused by UV light. *BASF Corp.; EM Ind. Inc.; Ferro/Bedford; Greeff R.W. & Co.; Haarmann & Reimer GmbH; Hoechst Celanese; Quest Intl.; Sartomer.*

344 **Benzophenone-12**
1843-05-6 6774 D G H



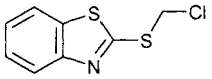
$C_{21}H_{26}O_3$
[2-hydroxy-4-(octyloxy)phenyl]phenylmethanone.
Aduvex 248; Advastab 46; Anti-UV P; Benzon OO; Benzophenone-12; Benzophenone, 2-hydroxy-4-(octyl-oxy)-; 2-Benzoyl-5-octyloxyphenol; Biosorb 130; BRN 1915198; Carstab 700; Chimassorb 81; Cyasorb® UV 531; EINECS 217-421-2; HSDB 5858; (2-Hydroxy-4-(octyloxy)phenyl)phenylmethanone; 2-Hydroxy-4-(n-octyloxy)benzophenone; 2-Hydroxy-4-(octyloxy)benz-ophenon; 2-Hydroxy-4-(octyloxy)benzophenone; 2-Hydroxy-4-octoxybenzophenone; 2-Hydroxy-4-(n-octoxy)benzophenone; 2-Hydroxy-4-oktyloxybenzo-fenon; Mark 1413; Methanone, (2-hydroxy-4-(octyl-oxy)phenyl)phenyl-; NSC 163400; Octabenzona; Octabenzone; Octabenzonum; 4-(Octyloxy)-2-hydroxybenzophenone; 4-n-Octyloxy-2-hydroxy-benzophenone; 4-Octoxy-2-hydroxybenzophenone; Rhodialux P; Sanduvor 3035; Seikalizer E; Spectra-sorb UV 531; Sumisorb 130; UF 4; UV 1; UV 531; UV Absorber HOB; UVA 1; Uvinul® 408; Uvinul® M 408; Viosorb 130; Zislizer E. Light stabilizer and UV absorber for plastics and coatings, e.g., polyethylene, PP, PVC, and EVA; uses include pipe, storage tanks, and auto, marine, garden products, auto refinish and industrial coatings, adhesives and sealants. UV absorber and stabilizer for polyethylene, PP, plasticized and rigid PVC, and other polymers; offers good compatibility, maximum protection and minimum color and a low order of toxicity. Crystals; mp = 48.5°; λ_m = 243, 290, 326 nm (ε = 10965, 15849, 10715, EtOH). *Am. Cyanamid; BASF Corp.*

345 **Benzotetraoxatriplumbacycloundecin-1,9-dione**
17976-43-1 H



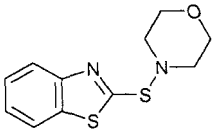
$C_8H_4O_6Pb_3$
2,4,6,8,3,5,7-Benzotetraoxatriplumbacycloundecin-3,5,7-triylidene,1,9-dihydro-1,9-dioxo-.
3λ2,5λ2,7λ2-2,4,6,8,3,5,7-Benzotetraoxatriplumba-cycloundecin-1,9-dione; Cyclo-di-μ-oxo(μ-phthalato)tri-lead; EINECS 241-894-4; Lead, (μ-(1,2-benzene-dicarboxylato(2-)-O1:O2))di-μ-oxotri-, cyclo-; Lead, di-μ-oxo(μ-phthalato)tri-, cyclo-.

346 **Benzothiazole, 2-((chloromethyl)thio)-**
28908-00-1 H



$C_8H_6ClNS_2$
2-((Chloromethyl)thio)benzothiazole.
Benzothiazole, 2-((chloromethyl)thio)-; 2-((Chloro-methyl)thio)benzothiazole; EINECS 249-306-8.

347 **4-(2-Benzothiazolylthio)morpholine**
102-77-2 G H

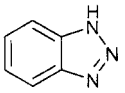


$C_{11}H_{12}N_2OS_2$
Benzothiazole, 2-(4-morpholinylthio)-.
4-27-00-01868 (Beilstein Handbook Reference); Accel NS; Accelerator MF; AI3-27134; Amax®; Amax® No 1; Benzothiazole, 2-(4-morpholinylthio)-; 4-(2-Benzo-thiazolylthio)morpholine; BRN

0191684; CCRIS 4911; Cure-rite OBTS; Delac MOR; EINECS 203-052-4; HSDB 2867; MBS; Meramide M; Morpholine, 4-(2-benzothiazolylthio)-; Nobs special; NSC 70078; S; OMTS; Perkacit® MBS; Santocure MOR; Sulfenamide M; Sulfenax mob; Sulfenax MOR; USAF CY-7; Vulcafor BSM; Vulcafor SSM; Vulkacit MOZ. A primary and secondary accelerator for rubber; safe at processing temperature and active over a wide curing range; particularly advantageous in styrene/butadiene rubber tires compounded with fine particle furnace blacks. The most delayed action accelerator offered by Uniroyal; activated by thiurams, dithiocarbamates, BIK, guanidines and aldehyde-amines; nondiscoloring and nonstaining to rubber stocks and materials in contact with them; used in tire treads, carcass, mechanicals and wire jackets. *Akrochem Chem. Co.; Akzo Chemie; Uniroyal; Vanderbilt R.T. Co. Inc.*

348 Benzotriazole

95-14-7 1109 G H



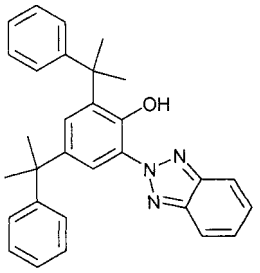
$C_6H_5N_3$

1H-Benzotriazole.

4-26-00-00093 (Beilstein Handbook Reference); AI3-15984; Azimidobenzene; Aziminobenzene; Benzene azimide; Benzisotriazole; Benzotriazole; Benztriazole; BRN 0112133; CCRIS 78; Cobratec 99; EINECS 202-394-1; HSDB 4143; NCI-C03521; NSC-3058; Preventol® CI 8; U-6233. Chelating agent and sesquestrant for copper ions; corrosion inhibitor for copper, brass, bronze; used in antifreeze, cleaners, coatings, detergents, functional fluids, metalworking fluids, packaging materials, polishes. Corrosion inhibitor particularly suitable for antifreezes, coolants, cutting fluids and hydraulic fluids. Needles; mp = 100°; bp_{15} = 204°; λ_m = 253, 258, 275 nm (MeOH); soluble in H_2O (2.0 g/100 ml), EtOH, C_6H_6, $CHCl_3$, C_7H_8, DMF; LD_{50} (rat orl) = 600 mg/kg. *Alcoa Ind. Chem.; Bayer AG; Miles Inc.; PMC; Sandoz.*

349 2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol

70321-86-7 H



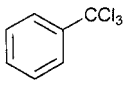
$C_{30}H_{29}N_3O$

Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)-.

2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenyl-ethyl)-phenol; EINECS 274-570-6; Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)-.

350 Benzotrichloride

98-07-7 1110 H



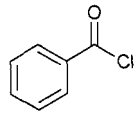
$C_7H_5Cl_3$

Benzene, (trichloromethyl)-.

4-05-00-00820 (Beilstein Handbook Reference); AI3-02583; Benzene, (trichloromethyl)-; Benzenyl trichloride; Benzoic trichloride; Benzotrichloride; Benzotricloruro; Benzyl trichloride; Benzylidyne chloride; BRN 0508152; CCRIS 1292; Chlorure de benzenyle; Chlorure de benzylidyne; EINECS 202-634-5; HSDB 2076; NSC 14663; Phenyl chloroform; Phenyltrichloromethane; RCRA waste number U023; Toluene, α,α,α,-trichloro-; Toluene trichloride; Trichloormethylbenzeen; Trichlor-methylbenzol; Trichloromethylbenzene; Trichlorophenyl-methane; Triclorometilbenzene; (Trichloromethyl)benz-ene; 1-(Trichloromethyl)benzene; α,α,α-Trichlorotoluene; Triclorotoluene; UN2226. Oil; mp = -5°; bp = 221°; d^{20} = 1.3723; λ_m = 225, 261, 267, 274 nm (ε = 6910, 499, 558, 450, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6.

351 Benzoyl chloride

98-88-4 1113 H



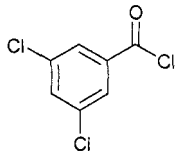
C_7H_5ClO

Benzoyl chloride.

4-09-00-00721 (Beilstein Handbook Reference); Benzaldehyde, α-chloro-; Benzenecarbonyl chloride; Benzoic acid, chloride; Benzoyl chloride; BRN 0471389; CCRIS 802; EINECS 202-710-8; HSDB 383; UN1736. Liquid; mp = -1°; bp = 197.2°, bp_9 = 71°; d^{20} = 1.2120; λ_m = 241, 281 nm (cyclohexane); very soluble in Et_2O, soluble in C_6H_6, CCl_4.

352 Benzoyl chloride, 3,5-dichloro-

2905-62-6 H



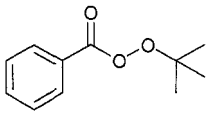
$C_7H_3Cl_3O$

3,5-Dichlorobenzoyl chloride.

Benzoyl chloride, 3,5-dichloro-; 3,5-Dichlorobenzoyl chloride; EINECS 220-813-6; RH-24,299.

353 Benzoyl tert-butyl peroxide

614-45-9 G H



$C_{11}H_{14}O_3$

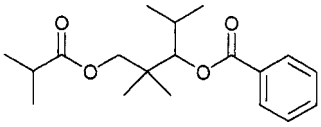
Peroxybenzoic acid, t-butyl ester.

4-09-00-00715 (Beilstein Handbook Reference); AI3-06625; Aztec® t-Butyl Perbenzoate; Benzenecarbo-peroxoic acid, 1,1-dimethylethyl ester; Benzoyl tert-butyl peroxide; BRN 1342734; t-Butyl perbenzoate; t-Butyl peroxy benzoate; terc.Butylester kyseliny peroxy-benzoove; terc.Butylperbenzoan; tert-Butyl perbenzoate; tert-Butyl peroxybenzoate; CCRIS 6217; Chaloxyd tbpb; EINECS 210-

382-2; Esperox 10; HSDB 2891; Novox; NSC 674; Perbenzoate de butyle tertiaire; Perbenzoic acid, tert-butyl ester; Perbutyl Z; Peroxybenzoic acid, t-butyl ester; Polyvel CR-5T; Trigonox® 93; Trigonox® C. Initiator for elevated-temperature polyester cures, for LDPE polymerization, and high-temperature polymerization of acrylic emulsion polymers; used in BMC and SMC molding in temperature range 275-325°F. For polymerization and/or crosslinking of monomers and unsaturated polymers. Additive for grafting and extrusion reactions. Liquid; mp = 8°; bp = 113°, bp2 = 75-76°; d^{25} = 1.021; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 1012 mg/kg. *Akzo Chemie; Catalyst Resources Inc.; Elf Atochem N. Am.; International Hormones; Norac; Polyvel.*

354 3-Benzoyloxy-2,2,4-trimethylpentyl iso-butyrate

22527-63-5 H



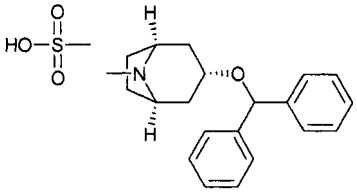
$C_{19}H_{28}O_4$

Isobutyric acid, 3-hydroxy-2,2,4-trimethylpentyl ester benzoate.

3-Benzoyloxy-2,2,4-trimethylpentyl isobutyrate; EINECS 245-054-8; Isobutyric acid, 3-hydroxy-2,2,4-trimethylpentyl ester benzoate; Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester.

355 Benztropine Mesylate

132-17-2 1123 D



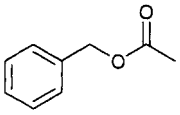
$C_{22}H_{29}NO_4S$

3α-(Diphenylmethoxy)-1αH,5αH-tropane methane-sulfonate.

Benzatropine methanesulfonate; Benzotropine mesyl-ate; Benzotropine methanesulfonate; Benztropine mes-ilate; Benztropine mesylate; Benztropine methane-sulfonate; Cobrentin methanesulfonate; Cogentin; Co-gentin mesylate; Cogentin methanesulfonate; DRG-0198; EINECS 205-048-8; MK 02; NSC 169913. Anticholinergic. Antiparkinsonian. mp = 143°; λ_m = 259 nm (E_M 437); soluble in H_2O. *Apothecon; Merck & Co.Inc.*

356 Benzyl acetate

140-11-4 1125 G H



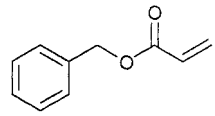
$C_9H_{10}O_2$

Acetic acid, phenylmethyl ester.

Acetic acid, benzyl ester; Acetic acid, phenylmethyl ester; AI3-01996; Benzyl acetate; Benzyl ethanoate; Benzylester kyseliny octove; Caswell No. 081EA; CCRIS 1423; EINECS 205-397-6; FEMA No. 2135; HSDB 2851; NCI-C06508; NSC 4550; Phenylmethyl acetate; Plastolin I. A natural constituent of several essential oils and flower absolutes extracted from jasmine, hyacinth, gardenia, tuberose, ylang-ylang, cananga, and neroli. Commercial benzyl acetate, a liquid prepared synthetically from benzyl chloride, acetic acid, and triethylamine is used primarily as a component of perfumes for soaps and as a flavoring ingredient. Constituent of artificial jasmine and other perfumes; used as a soap perfume; flavors; solvent and high boiler for cellulose acetate and nitrate, natural and synthetic resins; oils; lacquers; polishes; printing inks; varnish removers. Liquid; mp = -51.3°; bp = 213°; d^{20} = 1.0550; λ_m = 252, 257, 263, 267 nm (ε = 174, 214, 174, 114, MeOH); slightly soluble in H_2O, soluble in Et_2O, Me_2CO, $CHCl_3$, freely soluble in EtOH. *Bush Boake Allen (IFF bought 2000); Haarmann & Reimer GmbH; Janssen Chimica; MTM AgroChemicals Ltd.; Penta Mfg.; Pentagon Chems. Ltd.; Quest Intl.*

357 Benzyl acrylate

2495-35-4 G



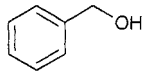
$C_{10}H_{10}O_2$

Acrylic acid benzyl ester.

Acrylic acid, benzyl ester; AI3-03836; Benzyl acrylate; EINECS 219-673-9; Melcril 4085; NSC 20964; 2-Propenoic acid, phenylmethyl ester; Sartomer SR 432; SR 432. Used as a monomer. Liquid; bp = 228°, bp_8 = 110-111°; d^{20} ◘ 1.0573; λ_m = 251, 257, 263, 267 nm (cyclohexane); insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, CCl_4. *Danbert Chemical Co.*

358 Benzyl alcohol

100-51-6 1126 G P



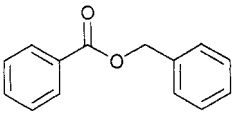
C_7H_8O

Phenylmethanol.

4-06-00-02222 (Beilstein Handbook Reference); AI3-01680; Alcohol bencilico; Alcoholum benzylicum; Alcool benzilico; Alcool benzylique; Bentalol; Bentanol; Benzal alcohol; Benzenecarbinol; Benzenemethanol; Benzoyl alcohol; Benzyl alcohol; Benzylicum; BRN 0878307; Caswell No. 081F; CCRIS 2081; EINECS 202-859-9; EPA Pesticide Chemical Code 009502; Euxyl K 100; FEMA No. 2137; HSDB 46; HSDB 46; (Hydroxymethyl)benzene; α-Hydroxytoluene; Hydroxy-toluene; Itch-X; Methanol, phenyl-; NCI-C06111; NSC 8044; Phenylcarbinol; Phenylcarbinolum; Phenyl-methanol; Phenylmethyl alcohol; α-Toluenol; Perfumes; flavors; photographic developer; dyeing nylon, textiles, sheet plastics; solvent for dyestuffs, cellulose esters, casein, waxes; heat-sealing polyethylene films; intermediate for benzyl esters and ethers; bacteriostat; cosmetics; inks. Used in perfumes; flavors; photographic developer; dyeing nylon, textiles, sheet plastics; solvent for dyestuffs, cellulose esters, casein, waxes; heat-sealing polyethylene films; intermediate for benzyl esters and ethers; bacteriostat; cosmetics; inks. Registered by EPA as a fungicide and insecticide (cancelled). Colorless liquid; mp = -15°; bp = 205°; d^{20} = 1.04535; λ_m = 247, 252, 257, 263, 267 nm (ε = 150, 233, 229, 165, 112, MeOH); freely soluble in $CHCl_3$, EtOH, Et_2O, fixed and volatile oils, soluble in 95% EtOH (40 g/100 ml), H_2O (4 g/100 ml at 25°, 7.1 g/100 ml at 90°); LD_{50} (rat orl) = 1230 mg/kg, (rat iv) = 60 mg/kg, (rat ip) = 40 mg/kg, (rbt orl) = 1040 mg/kg, (mus orl) = 1580 mg/kg, (mus iv) = 320 mg/kg. *Ashland; Bush Boake Allen (IFF bought 2000); E. Merck; Elf Atochem N. Am.; Givaudan Iberica SA; Greeff R.W. & Co.; Haarmann & Reimer GmbH; Janssen Chimica; Mallinckrodt*

Inc.; Osaka Org. Chem. Ind.; Penta Mfg.; Quest Chemical Corp.; Quest Intl.; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Takasago Intl. Corp.; Tosoh.

359 **Benzyl benzoate**
120-51-4 1129 D G P

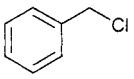


$C_{14}H_{12}O_2$
Benzoic acid phenylmethyl ester.
4-09-00-00307 (Beilstein Handbook Reference); AI3-00523; Antiscabiosum; Ascabin; Ascabiol; Benylate; Benzoesaeurebenzylester; Benzoesäurebenzylester; Benzoic acid, benzyl ester; Benzoic acid, phenyl-methyl ester; Benzyl alcohol benzoic ester; Benzyl benzenecarboxylate; Benzyl benzoate; Benzyl phenylformate; Benzylbenzenecarboxylate; Benzyl-ester kyseliny benzoove; Benzylets; Benzylis benzoas; Benzylum benzoicum; BRN 2049280; Caswell No. 082; Colebenz; EINECS 204-402-9; EPA Pesticide Chemical Code 009501; FEMA Number 2138; HSDB 208; Novoscabin; NSC 8081; Peruscabin; Peruscabina; Phenylmethyl benzoate; Scabagen; Scabanca; Scabide; Scabiozon; Scabitox; Scobenol; Spasmodin; Vanzoate. The active constituent of Peru balsam, used in the same manner, and for the same purpose as Peruol. Fixative and solvent for musk in perfumes and flavors; external medicine; plasticizer for nitrocellulose and cellulose acetate; miticide. Also used to treat scabies and pediculosis. Needles or leaflets, mp = 21°; bp = 323.5°; λ_m = 230, 257, 263, 267, 272, 280 nm (ε = 1470, 952, 952, 954, 968, 771, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$, MeOH, petroleum ether; LD_{50} (rat orl) = 1.7 g/kg. *Haarmann & Reimer GmbH; Janssen Chimica; Lancaster Synthesis Co.; May & Baker Ltd.; Penta Mfg.; Pentagon Chems. Ltd.*

360 **Benzylbis(hydrogenated tallowalkyl)-methyl, quaternary ammonium chlorides**
61789-73-9 H

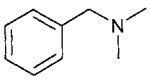
Quaternary ammonium compounds, benzylbis-(hydrogenated tallowalkyl)methyl, chlorides.
EINECS 263-082-9; Quaternary ammonium comp-ounds, benzylbis(hydrogenated tallowalkyl)methyl, chlorides.

361 **Benzyl chloride**
100-44-7 1131 H



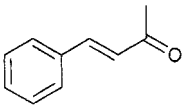
C_7H_7Cl
Benzene, (chloromethyl)-.
AI3-15518; Benzene, (chloromethyl)-; Benzile (cloruro di); Benzyl chloride; Benzylchlorid; Benzylchloride; Benzyle (chlorure de); CCRIS 79; Chloromethylbenzene; Chlorophenylmethane; Chlorure de benzyle; EINECS 202-853-6; HSDB 368; NCI-C06360; NSC 8043; RCRA waste number P028; Toluene, α-chloro-; Tolyl chloride; UN1738. Liquid; mp = -45°; bp = 179°; d^{20} = 1.1004; λ_m = 217, 254, 259, 265 nm (ε ■ 6970, 190, 231, 211, MeOH); insoluble in H_2O, slightly soluble in CCl_4, freely soluble in EtOH, Et_2O, $CHCl_3$.

362 **Benzyldimethylamine**
103-83-3 G



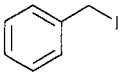
$C_9H_{13}N$
N,N-dimethylbenzenemethanamine.
AI3-26794; Araldite accelerator 062; BDMA; Benzenemethanamine, N,N-dimethyl-; Benzyl-N,N-dimethyl-amine; Benzylamine, N,N-dimethyl-; Benzyldimethyl-amine; N-Benzyldimethylamine; N-Benzyl-N,N-dimethyl-amine; CCRIS 6693; Dabco® B-16; Dimethyl-benzylamine; N,N-Dimethylbenzylamine; N,N-Dimethyl-N-benzylamine; N,N-Dimethylbenzenemethanamine; EINECS 203-149-1; NSC 5342; Pentamin BDMA; N-(Phenylmethyl)dimethylamine; Sumine 2015; UN2619. Amine-based catalyst for flexible slabstock PU foam. Used as a polyurethane catalyst and an epoxy curing agent. Liquid; mp = -75°; bp = 181°; d^0 = 0.915; λ_m = 252, 258, 265 nm (cyclohexane); slightly soluble in H_2O, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 265 mg/kg. *Air Products & Chemicals Inc.; Pentagon Chems. Ltd.* -

363 **Benzylidene acetone**
122-57-6 1139 G



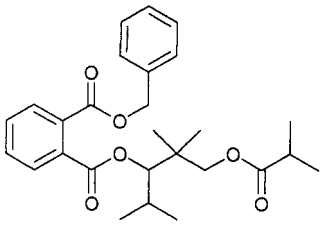
$C_{10}H_{10}O$
Benzalacetone.
2-07-00-00287 (Beilstein Handbook Reference); Aceto-cinnamone; AI3-00944; Benzalaceton; Benzalacetone; Benzilidene acetone; Benzilideneacetone; Benzylidene-acetone; BRN 0742046; 3-Buten-2-one, 4-phenyl-; CCRIS 5319; EINECS 204-555-1; FEMA No. 2881; Ketone, methyl styryl; Methyl 2-phenylvinyl ketone; Methyl styryl ketone; Methyl β-styryl ketone; NSC 5605; 4-Phenylbutenone; 4-Phenyl-3-buten-2-one; 2-Phenylvinyl methyl ketone; Styryl methyl ketone. Used in organic synthesis and perfumery; used as a fixative and in flavors. Solid; mp = 41.5°. *Lancaster Synthesis Co.; Penta Mfg.; Raschig GmbH.*

364 **Benzyl iodide**
620-05-3 G



C_7H_7I
Iodomethylbenzene.
Benzene, (iodomethyl)-; Benzyl iodide; EINECS 210-623-1; Fraissite; α-Iodotoluene; UN2653. Used in chemical synthesis. Yellow needles; mp ■ 24.5°; bp_{10} = 93°; d^{25} = 1.7335; very soluble in C_6H_6, Et_2O, EtOH.

365 **Benzyl 3-isobutyryloxy-1-isopropyl-2,2-dimethylpropyl phthalate**
16883-83-3 H



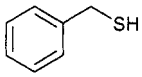
$C_{27}H_{34}O_6$

Phthalic acid, benzyl 3-hydroxy-1-isopropyl-2,2-dimethylpropyl ester isobutyrate.

Benzyl 3-isobutyryloxy-1-isopropyl-2,2-dimethylpropyl phthalate; EINECS 240-920-1; Phthalic acid, benzyl 3-hydroxy-1-isopropyl-2,2-dimethylpropyl ester isobutyrate.

366 Benzyl mercaptan

100-53-8 9394 H



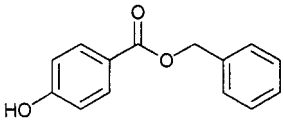
C_7H_8S

Benzenemethanethiol.

4-06-00-02632 (Beilstein Handbook Reference); AI3-22955; Benzenemethanethiol; Benzyl hydrosulfide; Benzyl mercaptan; Benzylhydrosulfide; Benzylthiol; BRN 0605864; EINECS 202-862-5; FEMA No. 2147; HSDB 2105; Methanethiol, phenyl-; NSC 41897; Phenylmethanethiol; Phenylmethyl mercaptan; Thiobenzyl alcohol; Toluene, α-mercapto-; Toluene-α-thiol; USAF ex-1509. Oil; mp = -30°; bp = 194.5°; d^{20} = 1.058; λ_m = 263, 269 nm (cyclohexane); insoluble in H_2O, slightly soluble in CCl_4, soluble in CS_2; very soluble in EtOH, Et_2O.

367 Benzylparaben

94-18-8 G



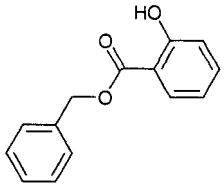
$C_{14}H_{12}O_3$

p-Hydroxybenzoic acid benzyl ester.

AI3-02955; Benzoic acid, 4-hydroxy-, phenylmethyl ester; Benzoic acid, p-hydroxy-, benzyl ester; Benzyl 4-hydroxybenzoate; Benzyl p-hydroxybenzoate; Benzyl parahydroxybenzoate; Benzyl Parasept; Benzyl Tegosept; Benzylparaben; EINECS 202-311-9; Nipabenzyl; NSC 8080; Parosept; Phenylmethyl 4-hydroxybenzoate; Solbrol Z. Among the most widely used preservatives in food, drugs, and cosmetics. Preservative, bactericide, fungicide for pharmaceuticals, cosmetics, foods, medicinal preparations, industrial applications. Crystals; mp = 110-112°. *Nipa.*

368 Benzyl salicylate

118-58-1 1146 H



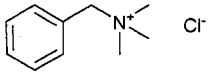
$C_{14}H_{12}O_3$

Phenylmethyl 2-hydroxybenzoate.

4-10-00-00157 (Beilstein Handbook Reference); AI3-00517; Benzoic acid, 2-hydroxy-, phenylmethyl ester; Benzyl o-hydroxybenzoate; Benzyl salicylate; BRN 2115365; CCRIS 4749; EINECS 204-262-9; FEMA No. 2151; NSC 6647; Phenylmethyl 2-hydroxybenzoate; Salicylic acid, benzyl ester; Salicylsaeurebenzylester; Salicylsäurebenzylester. Solid; bp = 320°; d^{20} = 1.1799; λ_m = 238, 306 nm (ε = 10700, 4550, MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, CCl_4.

369 Benzyl trimethyl ammonium chloride

56-93-9 G



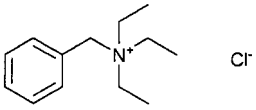
$C_{10}H_{16}ClN$

Trimethylbenzylammonium chloride.

Ammonium, benzyltrimethyl-, chloride; Benzene-methanaminium, N,N,N-trimethyl-, chloride; Benzyl-trimethylammonium chloride; BTM; CCRIS 4587; EINECS 200-300-3; HSDB 4196; Tmbac; N,N,N-Trimethyl-benzenemethanaminium chloride; Trimethylbenzyl-ammonium chloride; Variquat®. Quaternary ammonium salt; dispersant, dye leveler and retarder, emulsifier used in textile industry; solvent for cellulose; gelling inhibitor in polyester resins; intermediate. Used as a dispersant, dye leveler and retarder, as an emulsifier used in textile industry. White solid; mp = 239° (dec). *Janssen Chimica; Pentagon Chems. Ltd.; Sherex; Sybron.*

370 Benzyltriethyl ammonium chloride

56-37-1 G



$C_{13}H_{22}ClN$

N,N,N-triethylbenzenemethanaminium chloride.

AI3-14906; Ammonium, benzyltriethyl-, chloride; Benzenemethanaminium, N,N,N-triethyl-, chloride; Benzyl triethyl ammonium chloride; Benzyltriethyl-ammonium chloride; BTEAC; EINECS 200-270-1; Sumquat® 2355; TEAC; TEBA; TEBAC; Triethyl-benzylammonium chloride; N,N,N-Triethylbenzene-methanaminium chloride. Quaternary ammonium salt; solvent for cellulose; gelling inhibitor in polyester resins; intermediate in chemical manufacturing. Also used as a fibre dyeing auxilliary and phase transfer catalyst. Solid; mp = 185°; soluble in H_2O (170 g/100 ml). *Hexcel; Janssen Chimica; Zeeland Chem. Inc.*

371 Beryllia

1304-56-9 1176 G

Be=O

BeO

Beryllium oxide.

Beryllia; Beryllium monoxide; Beryllium oxide; Beryllium oxide (BeO); Bromellete; CCRIS 83; EINECS 215-133-1; Glucina; HSDB 1607; Natural bromellite; Thermalox; Thermalox 995. Used in manufacture of beryllium oxide ceramics, glass in nuclear reactor fuels and moderators; electrically resistive; catalyst for organic reactions. Electrical conductor but thermal insulator. Light amorphous powder; mp = 2530°; very sparingly soluble in H_2O.

372 Beryllium

7440-41-7 1164 G

Be

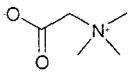
Be

Beryllium.

Beryllium; Beryllium-9; Beryllium dust; Beryllium, elemental; Beryllium metal; Beryllium, metal powder; Beryllium metallic; Beryllium powder; CCRIS 81; EINECS 231-150-7; Glucinium; Glucinum; HSDB 512; RCRA waste number P015; UN1566; UN1567. Metallic element; Structural material in space technology; moderator in nuclear reactors; source of neutrons; windows for x-ray tubes; in gyroscopes, computer parts, inertial guidance systems; additive in solid-propellant rocket fuels; beryllium-copper alloys. mp = 1287°; bp = 2500°; d = 1.8477. 2973; *Degussa AG; Noah Chem*

373 Betaine

107-43-7 1182 D G



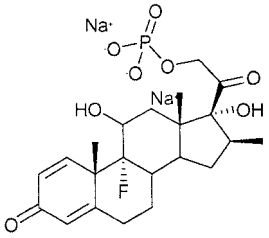
$C_5H_{11}NO_2$

1-Carboxy-N,N,N-trimethylmethanaminium inner salt.

α-Earleine; Betaine; 4-04-00-02369 (Beilstein Handbook Reference); Abromine; AI3-24187; AI3-52598; BRN 3537113; EINECS 203-490-6; Jortaine; Loramine AMB 13; Lycine; NSC 166511; Oxyneurine; Rubrine C. Used as a soldering flux, in chemical synthesis and as a hepatoprotectant. Solid; Dec 293°; soluble in H_2O (160 g/100 ml), MeOH (55 g/100 ml), EtOH (8.7 g/100 ml); sparingly soluble in Et_2O. *Sterling Winthrop Inc.*

374 Betamethasone Sodium Phosphate

151-73-5 1183 D G V



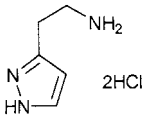
$C_{22}H_{28}FNa_2O_8P$

(11β,16β)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione 21-phosphate di-sodium salt.

Beta-Methasone phosphate; Betasone (Veterinary); Betavet Soluspan (Veterinary); BDP; Bentelan; Bentelan; Betnesol; Betsolan; Celestone Phosphate; Celestone Phosphate Injection; Celestone Soluspan; Disodium Betamethasone 21-phosphate; EINECS 205-797-0; Linolosal; Linosal; NSC 90616.; Bentalan; Betnersol Injectable; Durabetason; Vista-Methasone. A glucocorticoid used especially in veterinary medicine. *Glaxo Labs.; Merck & Co.Inc.; Roussel-UCLAF; Schering AG.*

375 Betazole hydrochloride

138-92-1 1187 G



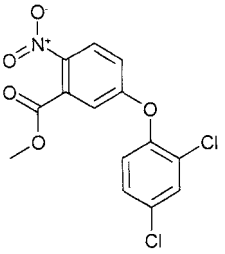
$C_5H_{11}Cl_2N_3$

1H-Pyrazole-3-ethanamine dihydrochloride.

3-(2-Aminoethyl)pyrazole dihydrochloride; 3-β-Amino-ethylpyrazole dihydrochloride; Ametazole dihydro-chloride; Betazole dihydrochloride; Betazole hydro-chloride; EINECS 205-345-2; Gastramine; Histalog; Histalog dihydrochloride; Histimin; Pyrazole, 3-(2-aminoethyl)-, dihydrochloride; 1H-Pyrazole-3-ethan-amine, dihydrochloride; 3,5-β-Pyrazoleethylamine dihydrochloride. A stimulant of gastric secretion, used as a diagnostic aid. Crystals; mp = 224-226°; soluble in H_2O, insoluble in EtOH.

376 Bifenox

42576-02-3 1214 G P



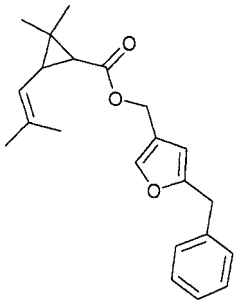
$C_{14}H_9Cl_2NO_5$

5-(2,4-Dichlorophenoxy)-2-nitrobenzoic acid methyl ester.

Benzoic acid, 5-(2,4-dichlorophenoxy)-2-nitro-, methyl ester; Bifenox; BRN 2170169; Caswell No. 561AA; CCRIS 7158; 5-(2,4-Dichlorophenoxy)-2-nitrobenzoic acid methyl ester; MC-4379; Modown; Modown 4 Flowable; EPA Pesticide Chemical Code 104301; MC-4379; Methyl 5-(2,4-dichlorophenoxy)-2-nitrobenz-oate; Modown. Selective herbicide used for control of annual broad-leaved weeds and some grasses in cereals, maize, sorghum, soybeans, rice and some other crops. Registered by EPA as a herbicide (cancelled). Yellow crystals; mp = 84-86°; poorly soluble in H_2O (0.000035 g/100 ml), more soluble in Me_2CO (31.5 g/100 ml), chlorobenzene (44.3 g/100 ml), xylene (25.8 g/100 ml), EtOH (< 4 g/100 ml); slightly soluble in aliphatic hydrocarbons; LD_{50} (rat ori) > 6400 mg/kg, (mus ori) = 4556 mg/kg, (rbt der) > 20000 mg/kg; LC_{50} (rat ihl) > 200 mg/l air, (duck, pheasant 8 day dietary) > 5000 mg/kg diet, (rainbow trout 96 hr.) = 0.87 mg/l, (bluegill sunfish 96 hr.) = 0.64 mg/l. *Aventis Crop Science.*

377 Bioresmethrin

28434-01-7 1230 G P



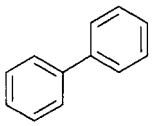
$C_{22}H_{26}O_3$

(5-Benzyl-3-furyl)methyl (+)-trans-2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylate.

AI 3-27662; Benzyl-3-furylmethyl (+)-trans-chrysanth-emate; 5-Benzyl-3-furylmethyl(+)-trans-chrys-anthem-ate; 5-Benzyl-3-furylmethyl-d-trans-crysanthe-mate; d-trans-((5-Benzyl-3-furyl)methyl)chrysanthe-mumate; d-trans-(5-Benzyl-3-furyl)methyl chrysanth-emate; 5-Benzyl-3-furylmethyl (1R)-trans-chrysanthemate (8Cl); 5-Benzyl-3-furylmethyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; (5-Benzyl-3-furyl)methyl (+)-trans-2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylate; 5-Benzyl-3-furylmethyl (1R)-trans-2,2-dimethyl-3-(2-mthylprop-1-enyl)cyclopropanecarboxylate; Biobenzyfuroline; Bio-resmethrin; Bioresmethrin; Bioresmethrine; Biores-methrinum; Bioresmetrina; CCRIS 5401; d-trans-Chrysron; Combat White Fly Insecticide; Cyclo-propanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-propenyl)-, (5-benzyl-3-furyl)methyl ester, d-trans-; Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-,(5-(phenylmethyl)-3-furanyl)-methyl ester, (1R-trans)-; EINECS 249-014-0; FMC 18739; 3-Furanmethanol, 5-benzyl-, 2,2-dimethyl-3-(2-methyl-propenyl)cyclopropanecarboxylate, t-(+)-; Isathrine; Isatrin; NIA-18739; NRDC 107; Penick 1390; Pyrethroid NRDC 107; Pyrethroids; Resbuthrin; Reslin; (+)-trans-Resmethrin; d-trans-Resmethrin; 1R-trans-Resemethrin; RU-11484; SBP-1390; d-trans-((5-Benzyl-3-furyl)methyl)-chrysanthemumate; d-trans-(5-Benzyl-3-furyl)methyl chrysanthemate; d-trans-Chrysrond-trans-Resmethrin; FMC 18739; 3-Furanmethanol, 5-benzyl-,2,2-dimethyl-3-(2-methylpropenyl)cycloprop-anecarboxylate, t-(+)-; Isathrine; Isatrin; NIA-18739; NRDC 107; Penick 1390; Pyrethroid NRDC 107; Resbuthrin; Resmethrin isomer; (+)-trans-Resmethrin; 1R-trans-Resemethrin; RU-11484; SBP-1390. Reg-istered by EPA as an insecticide. Liquid; mp = 32°; $bp_{0.01}$ = 181°; $[\alpha]_D^{20}$ = -7.8° (c = 5 Me_2CO); insoluble in H_2O (< 0.00003 g/100 ml), soluble in most organic solvents; LD_{50} (mrat orl) = 1244 mg/kg, (frat orl) = 1721 mg/kg, (rat orl) = 7070 - 8000 mg/kg, (frat der) > 10000 mg/kg, (ckn orl) > 10000 mg/kg, (bee orl) = 3 ng/bee; LC_{50} (rat ihl 4 hr.) = 5.2 mg/l air, (harlequin fish 96 hr.) = 0.014 mg/l, (guppy 96 hr.) = 0.5 - 1.0 mg/l; toxic to bees. *AgrEvo; Aventis Environmental Science USA LP; FMC Corp.; Sumitomo Corp.; Valent Biosciences Corp.*

378 Biphenyl

92-52-4 3346 G P



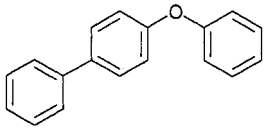
$C_{12}H_{10}$

Phenylbenzene.

AI3-00036; Bibenzene; Biphenyl; Biphenyl, 1,1-; Carolid AL; Caswell No. 087; CCRIS 935; CP 390; Diphenyl; EINECS 202-163-5; EPA Pesticide Chemical Code 017002; FEMA No. 3129; HSDB 530; Lemonene; MCS 1572; NSC 14916; Phenador-X; Phenylbenzene; PHPH; Tetrosin LY; Xenene. Registered by EPA as an antimicrobial and fungicide (cancelled). Fungicide used in packaging citrus fruit and in plant disease control. Used as a heat transfer agent and in organic synthesis. Colorless crystals; mp = 69°; bp = 256.1°; d^{20} = 1.04; λ_m = 247 nm (ε = 19300, EtOH); insoluble in H_2O, readily soluble in EtOH, Et_2O, other organic solvents; LD_{50} (rat orl) = 3280 mg/kg, (rbt orl) = 2400 mg/kg, (cat orl) > 2600 mg/kg; exposure to > 0.005 mg/l air is dangerous to humans. *Coalite Chem. Div.; Fluka; Generic; Monsanto Co.; Sigma-Aldrich Fine Chem.; Sybron.*

379 Biphenylyl phenyl ether

28984-89-6 H



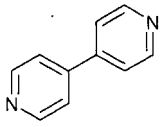
$C_{18}H_{14}O$

1,1'-Biphenyl, phenoxy-.

1,1'-Biphenyl, phenoxy-; Biphenylyl phenyl ether; EINECS 249-357-6; Ether, biphenylyl phenyl; Phenoxy-1,1'-biphenyl; Phenyl biphenyl ether. Mixture of o, m and p-isomers.

380 Bipyridyl

553-26-4 3383 H



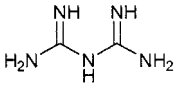
$C_{10}H_8N_2$

4,4'-Bipyridyl.

5-23-08-00028 (Beilstein Handbook Reference); AI3-00138; 4,4-Bipyridyl; BRN 0113176; CCRIS 2363; 4,4-Dipyridyl; EINECS 209-036-3; 'σ,σ'-Bipyridyl; 'σ,σ'-Dipyridyl; NSC 404423; 4-(4-Pyridyl)pyridine. Needles; mp = 111°; bp = 305°; λ_m = 240 nm (ε - 14900, MeOH); slightly soluble in H_2O, very soluble in EtOH, Et_2O, C_6H_6, ligroin.

381 Biguanide

56-03-1 1219 G



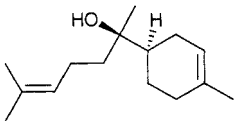
$C_2H_7N_5$

Imidodicarbonimidic diamide.

AI3-52571; Amidinoquanidine; Baquacil; Baquagold; Biguanide; Diquanide; EINECS 200-251-8; Imido-dicarbonimidic diamide; Quanyl-quanidine. Polymeric biguanide used as a swimming pool sanitizer. Salts of biguanide are used in assays for copper and nickel. mp = 130°; dec = 142°; soluble in H_2O, alcohol, insoluble in organic solvents. *ICI Chem. & Polymers Ltd.*

382 α-Bisabolol

515-69-5 1241 D G



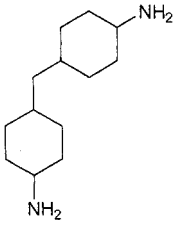
$C_{15}H_{26}O$

α,4-Dimethyl-α-(4-methyl-3-pentenyl)-3-cyclohexene-1-methanol.

Bisabolol; α-Bisabolol; Camilol; 3-Cyclohexene-1-methanol, α,4-dimethyl-α-(4-methyl-3-pentenyl)-; 3-Cyclohexene-1-methanol, α,4-dimethyl-α-(4-methyl-3-pentenyl)-, (R*,R*)-; 3-Cyclohexene-1-methanol, α,4-dimethyl-α-(4-methyl-3-pentenyl)-, (αR,1R)-rel-; (R*,R*)-(1)-α,4-Dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol; (R*,R*)-α,4-Dimethyl-α-(4-methyl-3-pent-enyl)cyclohex-3-ene-1-methanol; EINECS 208-205-9; EINECS 246-973-7; 5-Hepten-2-ol, 6-methyl-2-(4-methyl-3-cyclohexen-1-yl)-; Hydagen® B; 6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-5-hepten-2-ol. Anti-inflammatory agent for emulsions, oils, lotions, and oral hygiene preparations. Cosmetic ingredient. Oil; bp_{12} = 155-157°; d_4^{23} = 0.9223; insoluble in H_2O, soluble in organic solvents. *Henkel/Cospha; Henkel/Organic Prods.; Henkel.*

383 Bis(4-aminocyclohexyl)methane

1761-71-3 H



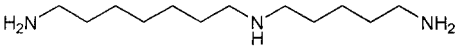
$C_{13}H_{26}N_2$

Di(p-aminocyclohexyl)methane.

1,4-Bis(aminocyclohexyl)methane; Bis(4-aminocyclohexyl)methane; BRN 2079179; CCRIS 4777; Cyclo-hexanamine, 4,4'-methylenebis-; 4,4'-Diaminodicyclo-hexylmethane; Di(p-aminocyclohexyl)methane; p,p'-Diaminodicyclohexylmethane; EINECS 217-168-8; HLR 4219; HLR 4448; Methylenebis(4-aminocyclo-hexane); 4,4'-Methylenebis(cyclohexylamine); PACM 20; Wandamin HM. Liquid; mp = 15°; bp = 320°; d^{75} = 0.92.

384 Bis(6-aminohexyl)amine

143-23-7 H



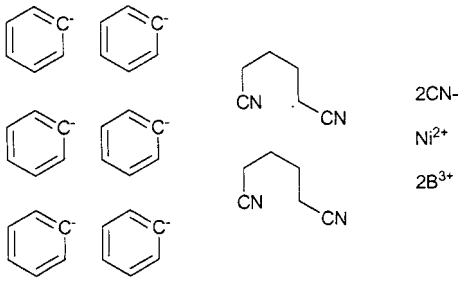
$C_{12}H_{29}N_3$

Dihexylamine, 6,6'-diamino-.

Bis(6-aminohexyl)amine; Bis(hexamethylene)triamine; Dihexylamine, 6,6'-diamino-; Dihexylenetriamine; EINECS 205-593-1; HSDB 5646; N-(Aminohexyl)-1,6-hexanediamine; N-(6-Aminohexyl)-1,6-hexanedi-amine; NSC 92231.

385 Bis(adiponitrile)bis(cyanotriphenyl-borato) nickel

83864-02-2 H



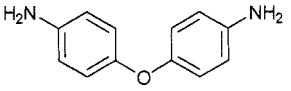
$C_{50}H_{46}B_2N_6Ni$

Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexane-dinitrile-N,N')-.

Bis(adiponitrile)bis(cyanotriphenylborato)nickel; Nick-el, bis((cyano-C)triphenylborato(1-)-N)bis(hexanedinit-rile-N,N')-.

386 Bis(4-aminophenyl) ether

101-80-4 H



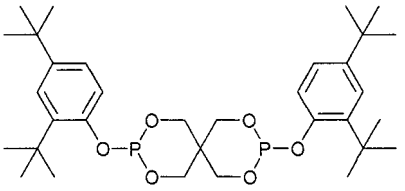
$C_{12}H_{12}N_2O$

4,4'-Diaminodiphenyl ether.

4-13-00-01038 (Beilstein Handbook Reference); AI3-18375; Aniline, 4,4'-oxydi-; Benzenamine, 4,4'-oxybis-; Bis(4-aminophenyl) ether; Bis(p-aminophenyl) ether; BRN 0475735; CCRIS 491; Dadpe; Di-(4-aminophenyl)ether; Diaminodiphenyl ether; EINECS 202-977-0; Ether, 4,4'-diaminodiphenyl; HSDB 1316; NCI-C50146; NSC 37075; p,p'-Oxydianiline. Crystals; mp = 189°.

387 Bis(2,4-di-tert-butylphenyl)pentaerythritol diphosphite

26741-53-7 H



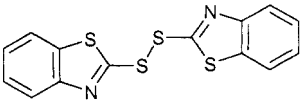
$C_{33}H_{50}O_6P_2$

Phosphorous acid, cyclic neopentanetetrayl bis(2,4-di-tert-butylphenyl) ester.

Bis(2,4-di-tert-butylphenyl)pentaerythritol diphosphite; 3,9-Bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro(5.5)undecane; BRN 4773772; EINECS 247-952-5; MARK PEP 24; Phosphorous acid, cyclic neopentanetetrayl bis(2,4-di-tert-butylphenyl) ester; 2,4,8,10-Tetraoxa-3,9-diphosphaspiro(5.5)un-decane, 3,9-bis(2,4-bis(1,1-dimethylethyl)phenoxy)-; Ultranox 624; Ultranox 626; Weston 626; Weston MDW 626.

388 Bis(2-benzothiazyl) disulfide

120-78-5 3406 G H



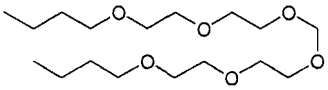
$C_{14}H_8N_2S_4$

2-Mercaptobenzothiazole disulfide.

4-27-00-01862 (Beilstein Handbook Reference); Accel TM; AI3-07662; Altax; Benzothiazole, 2,2'-dithiobis-; Benzthiazole disulfide; BRN 0285796; Caswell No. 408A; CCRIS 4637; Dithiobis(benzothiazole); Dwusiarczek dwubenzotiazylu; EINECS 204-424-9; Ekagom GS; EPA Pesticide Chemical Code 009202; HSDB 1137; MBTS; MBTS rubber accelerator; Mercaptobenzthiazyl ether; NSC 2; Perkacit® MBTS; Pneumax DM; Royal MBTS; Thiofide; USAF CY-5; USAF EK-5432; Vulcafor MBTS; Vulkacit® DM; Vulkacit® DM/C; Vulkacit® DM/mgc. Dibenzothiazyl disulfide, mineral oil coated; delayed action, semi-ultra accelerator for NR, IR, BR, SBR, NBR, CR, IIR, and chlorosulfonated polyethylene; used for mechanical goods, tires, conveyor belts, cables, hoses, rubber footwear, expanded rubber goods. A component of mercapto mix. Crystals; mp = 168°; d = 1.5; insoluble in H_2O (<0.1 mg/ml), slightly soluble in organic solvents; LD_{50} (rat orl) > 12 g/kg. *Akzo Chemie; Bayer AG; Polysar.*

389 Bis(butoxyethoxyethoxy)methane

143-29-3 H



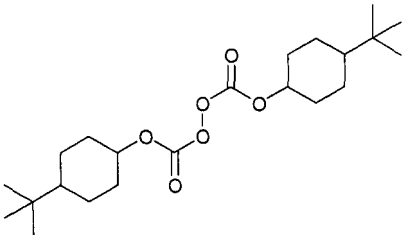
$C_{17}H_{36}O_6$

Bis(2-(2-butoxyethoxy)ethoxy)methane.

Bis(butoxyethoxyethoxy)methane; Bis(butoxyethoxyethyl)-formal; Bis(butylcarbitol)formal; BRN 2450899; Cryoflex; Dibutoxyethoxyethyl formal; EINECS 205-598-9; 5,8,11,13,16,19-Hexaoxatricosane; HSDB 5647; NSC 7185; TP 90B.

390 Bis(4-t-butylcyclohexyl) peroxydicarbonate

15520-11-3 G



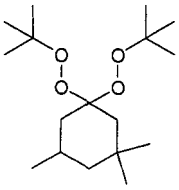
$C_{22}H_{38}O_6$

Peroxydicarbonic acid, bis(4-(1,1-dimethylethyl)cyclo-hexyl) ester.

Bis(4-tert-butylcyclohexyl)peroxydicarbonate; EINECS 239-557-1; Perkadox® 16; Peroxydicarbonic acid, bis(4-(1,1-dimethylethyl)cyclohexyl) ester. Ultrafast initiator for polyester cure above 180°F; pultrusion, matched die molding; short ambient temperature compound shelf life. *Akzo Chemie.*

391 Bisbutyl peroxy trimethylcyclohexane

6731-36-8 G



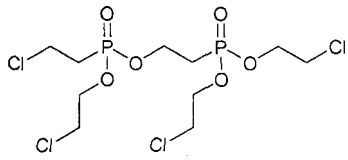
$C_{17}H_{34}O_4$

1,1-bis(t-butylperoxy)-3,3,5-trimethylcyclohexane.

Aztec®; Aztec® 1,1-Bis(t-Butylperoxy)-3,3,5-Trimethyl Cyclohexane; 1,1-Bis(t-butylperoxy)-3,3,5-trimethyl-cyclohexane; BRN 5932965; Di-tert-butyl 3,3,5-trimethyl-cyclohexylidene diperoxide; Di-tert-butyl-peroxy-3,3,5-trimethylcyclohexane peroxide; EINECS 229-782-3; Luperco 231G; Luperco 231XL; Luperco 231XLP; Luperox 231; Lupersol 231; Perhexa 3M; Perhexa 3M40; Peroxide, (3,3,5-trimethylcyclohexyl-idene)bis(tert-butyl); Peroxide, (3,3,5-trimethylcyclo-hexylidene)bis((1,1-di-methylethyl); Peroximon® S-164/40P; Trigonox® 29; Trigonox® 29/40; Trigonox® 29/40mb; Trigonox® 29b50; Trigonox® 29b75; Trigonox® 29c75; Varox 231xl. Polymerization initiator and catalyst for polymerization reactions. *Akrochem Chem. Co.; Akzo Chemie; Catalyst Resources Inc.*

392 Bis(2-chloroethyl) (2-(((2-chloro-ethoxy)(2-chloroethyl)phosphinyl)oxy)ethyl)-phosphonate

58823-09-9 H



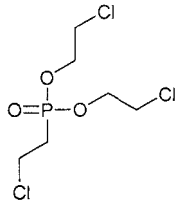
$C_{10}H_{20}Cl_4O_6P_2$

Bis(2-chloroethyl) (2-(((2-chloroethoxy)(2-chloroethyl)-phosphinyl)oxy)ethyl)phosphonate.

Bis(2-chloroethyl) (2-(((2-chloroethoxy)(2-chloroethyl)-phosphinyl)oxy)ethyl)phosphonate; (2-(((2-Chloroeth-oxy)-(2-chloroethyl)phosphinyl)oxy)ethyl)-phosph-onic acid, bis(2-chloroethyl) ester; EINECS 261-459-2; Phos-phonic acid, (2-(((2-chloroethoxy)(2-chloroethyl)-phos-phinyl)-oxy)ethyl)-, bis(2-chloroethyl) ester.

393 Bis(2-chloroethyl) 2-chloroethylphos-phonate

6294-34-4 H



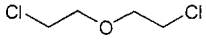
$C_6H_{12}Cl_3O_3P$

Phosphonic acid, (2-chloroethyl)-, bis(2-chloroethyl) ester.

AI3-25413; Antiblage 78; Bis-chloroethyl 2-chloro-ethanephosphonate; Bis(β-chloroethyl) β-chloroethyl-phosphonate; Bis(2-chloroethyl) (2-chloroethyl)phos-phonate; EINECS 228-557-7; Ethanol, 2-chloro-, (2-chloroethyl)phosphonate (2:1); NSC 9297; *Phosphonic acid, (2-chloroethyl)-, bis(2-chloroethyl) ester.* Liquid; bp_5 = 170.2°.

394 Bis(2-chloroethyl) ether

111-44-4 3091 H



$C_4H_8Cl_2O$

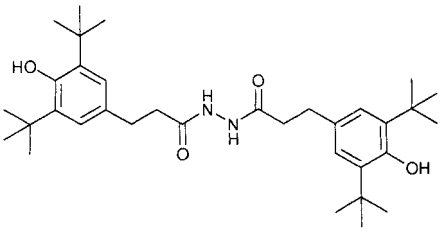
Di(2-chloroethyl) ether.

4-01-00-01375 (Beilstein Handbook Reference); AI3-04504; BCEE; Bis(β-chloroethyl) ether; Bis(2-chloroethyl) ether; Bis(chloro-2-ethyl)

oxide; BRN 0605317; Caswell No. 309; CCRIS 88; Chlorex; Chloroethyl ether; Clorex; DCEE; Di(β-chloro-ethyl)ether; Di(2-chloroethyl) ether; Dichloroether; Dichloroether; Dichloroethyl ether; Dichloroethyl oxide; Dicholoroethyl ether; Dwuchlorodwuetylowy eter; EINECS 203-870-1; ENT 4,504; EPA Pesticide Chemical Code 029501; Ethane, 1,1'-oxybis(2-chloro-; Ether, bis(2-chloroethyl); Ether dichlore; HSDB 502; Khloreks; NSC 406647; Oxyde de chlorethyle; RCRA waste number U025; sym-Dichloroethyl ether; UN1916. Liquid; mp = -51.9°; bp = 178.5°; d^{20} = 1.22; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, freely soluble in C_6H_6, MeOH.

395 **Bis(3,5-di-tert-butyl-4-hydroxyhydro-cinnamoyl)hydrazine**

32687-78-8 H

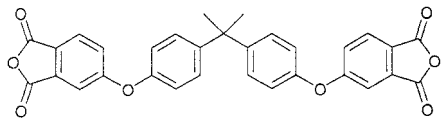


$C_{34}H_{52}N_2O_4$

N,N'-Bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl)-hydrazine. 2-(3-(3,5-Bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxo-propyl)hydrazide; Bis(3,5-di-tert-butyl-4-hydroxy-hydrocinnamoyl)hydrazine; 2',3-Bis({3-(3,5-di-tert-but-yl-4-hydroxyphenyl)propionyl})propionohydrazide; 3, 5-Bis-(1,1-dimethylethyl)-4-hydroxybenzenepropionic acid; EINECS 251-156-3; Irganox 1024; Irganox MD 1024; MD 1024; N,N'-Bis(3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)-propionyl)hydrazine.

396 **2,2-Bis(4-(3,4-dicarboxyphenoxy)-phenyl)propane dianhydride**

38103-06-9 H

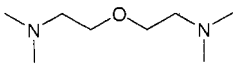


$C_{31}H_{20}O_8$

4,4'-({Isopropylidene)bis(p-phenyleneoxy})diphthalic dianhydride. 2,2-Bis(4-(3,4-dicarboxyphenoxy)phenyl)propane di-anhydride; EINECS 253-781-7; 1,3-isobenzofuran-dione, 5,5'-((1-methylethylidene)bis(4,1-phenylene-oxy))bis-; 4,4'-({Isopropylidene)bis(p-phenyleneoxy})-diphthalic dianhydride.

397 **Bis(2-(dimethylamino)ethyl) ether**

3033-62-3 H

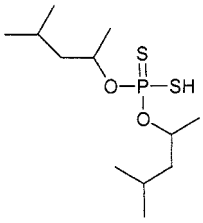


$C_8H_{20}N_2O$

2,2'-Oxybis(N,N-dimethylethylamine). 2,2'-Oxybis(N,N-dimethylethylamine); 4-04-00-01441 (Beilstein Handbook Reference); A 99 (Amine); Bis(2-(dimethylamino)ethyl) ether; BRN 1739668; Dabco BL 11; Dabco BL 19; Dabco BL 19I; EINECS 221-220-5; Ethylamine, 2,2'-oxybis(N,N-dimethyl-; Kalpur PC; Niax A 1; Niax A 4; Niax A 99; Niax catalyst al; NSC 109887; Texacat ZF 20; Toyocat ET; Toyocat ETS.

398 **Bis(1,3-dimethylbutyl) dithiophosphate**

6028-47-3 H

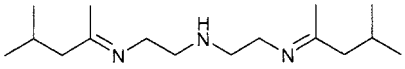


$C_{12}H_{27}O_2PS_2$

2-Pentanol, 4-methyl-, hydrogen phosphorodithioate. Bis(1,3-dimethylbutyl) dithiophosphate; O,O-Bis(1,3-dimethylbutyl) phosphorodithioate; EINECS 227-900-8; 2-Pentanol, 4-methyl-, hydrogen phosphorodithioate; 2-Pentanol, 4-methyl-, O,O-diester with phosphorodithioic acid.

399 **1,7-Bis(1,3-dimethylbutylidene)diethylenetriamine**

10595-60-5 H

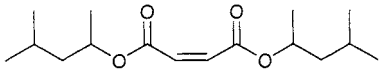


$C_{16}H_{33}N_3$

N,N'-Bis(1,3-dimethylbutylidene)-2,2'-iminobis(ethyl-amine). 1,7-Bis(1,3-dimethylbutylidene) diethylenetriamine; N,N'-Bis(1,3-dimethylbutylidene)-2,2'-iminobis(ethylamine); Diethylenetriamine, 1,7-bis(1,3-dimethylbutylidene)-; EINECS 234-205-3.

400 **Bis(1,3-dimethylbutyl) maleate**

105-52-2 H

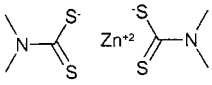


$C_{16}H_{28}O_4$

Bis(1,3-dimethylbutyl)-2-butenedioate (2Z)-. Bis(1,3-dimethylbutyl)-2-butenedioate (2Z)-; Bis-(1,3-dimethylbutyl)ester kyseliny maleinove; Bis(1,3-dimethylbutyl) maleate; 2-Butenedioic acid, bis(1,3-dimethylbutyl) ester; Di(1,3-dimethylbutyl)maleate; Di(4-methyl-2-amyl) maleate; Di(4-methyl-2-pentyl) maleate; DMAM; EINECS 203-304-3; Maleic acid, bis(1,3-dimethylbutyl) ester; Maleic acid, di(1,3-dimethylbutyl) ester.

401 **Bis(dimethyldithiocarbamato)zinc**

137-30-4 10225 G P



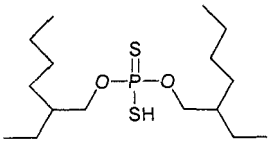
$C_6H_{12}N_2S_4Zn$

Bis(dimethylcarbamodithioato-S,S')zinc. AAProtect; Aaprotent; Aavolex; Aazira; Accelerator L; Accelerator MZ Powder; Aceto ZDED; Aceto zdmd; AI3-00988; Alcobam ZM; Antene; Bis-dimethyldithio-carbamate de zinc; Bis(dimethylcarbamodithioato-S,S')zinc; Bis(dimethyldithiocarbamato)zinc; (T-4)-Bis-(dimethyldithiocarbamato-S,S')zinc; Bis(N,N-dimetil-ditiocarbammato) di zinco; Carbamic acid, dimethyl-dithio-, zinc salt; Carbamodithioic acid, dimethyl-, zinc salt; Carbazinc; Caswell No. 931; CCRIS 625; Corona corozate; Corozate; Crittam; Crittan;

Cuman; Cuman L; Cymate; Dimethylcarbamodithioic acid, zinc salt; Dimethyldithiocarbamate zinc salt; Drupina 90; EINECS 205-288-3; ENT 988; EPA Pesticide Chemical Code 034805; Eptac 1; Fuclasin; Fuclasin Ultra; Fuklasin; Fungostop; Hermat ZDM; Hexazir; HSDB 1788; Karbam White; Methasan; Methazate; Methyl zimate; Methyl zineb; Methyl Ziram; Mezene; Micosin F30; Milbam; Milban; Molurame; Mycronil; NCI-C50442; Nocceler pz; NSC 737; Orchard brand ziram; Pomarsol Z forte; Pomarzol Z-forte; Prodaram; Ramedit; RCRA waste no. P205; Rhodiacid; Rodisan; Sabceler PZ; Soxinal PZ; Soxinol PZ; Tricarbamix Z; Trikagol; Triscabol; Tsimat; Tsiram; Ultra Zinc DMC; USAF P-2; Vancide MA-96; Vancide® MZ-96; Vulcacure ZM; Vulkacit L; Vulkacite L; Weisstaub; Z 75; Z-C spray; Zarlate; Zerlate; Zimate®, methyl; Zinc, bis(dimethylcarbamodithioato-S,S')-; Zinc bis(dimethyldithiocarbamoyl)disulphide; Zinc bis(di-methyldithio-carbamate); Zinc bis(dimethylthiocarbamoyl) disulfide; Zinc dimethyldithiocarbamate; Zink-bis(N,N-dimethyl-dithiocarbamaat); Zinkcarbamate; Ziradin; Ziram; Ziram Granuflo; Ziram technical; Zirame; Zirame; Ziramvis; Zirasan; Zirasan 90; Zirberk; Ziretec; Zirex 90; Zirex Fungicide; Ziride; Zirthane; Zitox; Vancide MZ96; Zincmate; Ziram; Ziram F4; Ziram W76; Ziramvis; Zirasan 90; Zirex 90; Ziride; Zitox; Fuclasin Ultra; Accelerator L; Methazate; Aceto ZDED; Aceto ZDMD; Methyl Ziram; Mexene; Molurame; Orchard Brand Ziram; Pomarsol Z Forte; Corona Corozate; Cymate; EPTAC 1; Rhodiacid; Soxinal PZ; Soxinol PZ; Tsimat; Vulcacure; Vulcacure ZM; Vulkacite L; Z 75; ZC; Z-C Spray; Zirasan; Aavolex; Aazira; Antene; Amyl Zimate; Ciram; Cuman L; Hermat Zdm; Methyl Zineb; Mycronil; Zarlate; Zirthane; Alcobam Zm;milam; Pomarsolz; Vancide. Non-discoloring, nonstaining accelerator for natural rubber, isoprene rubber, BR, styrene/butadiene rubber, isobutylene-isoprene rubber, and ethylene-propylene-diene rubbers and natural rubber latex. Rubber vulcanization accelerator and agricultural fungicide. Antimicrobial, preservative for starch and synthetic latex adhesives and food packaging adhesives. Used as a bird and animal repellent. mp = 250°; d_4^{25} = 1.66; insoluble in H_2O (0.006 g/100 ml), slightly soluble in organic solvents; LD_{50} (rat orl) = 1.4 g/kg. *Akrochem Chem. Co.; Universal Crop Protection Ltd.; Vanderbilt R.T. Co. Inc.*

402 Bis(2-ethylhexyl) dithiophosphate

5810-88-8 H



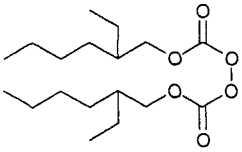
$C_{16}H_{35}O_2PS_2$

Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester.

Bis(2-ethylhexyl) dithiophosphate; Bis(2-ethylhexyl) hydrogen dithiophosphate; Bis(2-ethylhexyl) phosphoro-dithioate; BRN 1913062; Di-2-ethylhexylphosphoro-dithioic acid; EINECS 227-376-0; HSDB 2612; Phoslex DT 8; Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester.

403 Bis(2-ethylhexyl) peroxydicarbonate

16111-62-9 H



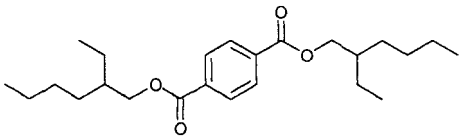
$C_{18}H_{34}O_6$

Peroxydicarbonic acid, bis(2-ethylhexyl) ester.

Bis(2-ethylhexyl) perdicarbonate; Bis(2-ethylhexyl) peroxydicarbonate; BRN 5964960; Di(2-ethylhexyl) peroxydicarbonate; EINECS 240-282-4; Lupersol 223; Peroxydicarbonic acid, bis(2-ethylhexyl) ester; Peroxydicarbonic acid, di(2-ethylhexyl) ester; Peroyl OPP; Peroyl OPP 60E; Trigonox® EHP.

404 Bis(2-ethylhexyl) terephthalate

6422-86-2 G H



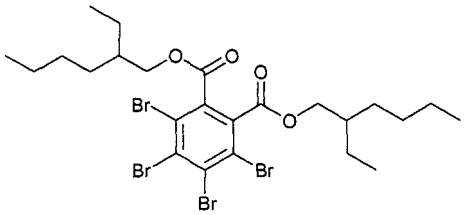
$C_{24}H_{38}O_4$

1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester.

4-09-00-03306 (Beilstein Handbook Reference); AI3-17104; BRN 2302822; CCRIS 7052; Di-(2-ethylhexyl) terephthalate; EINECS 229-176-9; HSDB 6150; Kodaflex® DOTP; Terephthalic acid, bis(2-ethylhexyl) ester. Plasticizer used with PVC resins, in PVC plastisols, rubber; application including wire coatings, automotive and furniture upholstery; compatible with acrylics, CAB, cellulose nitrate, polyvinyl butyral, styrene, oxidizing alkyds, nitrile rubber. *Solid*; mp = 30-34°; bp = 400°; d = 0.980. *Eastman Chem. Co.*

405 Bis(2-ethylhexyl) tetrabromophthalate

26040-51-7 H



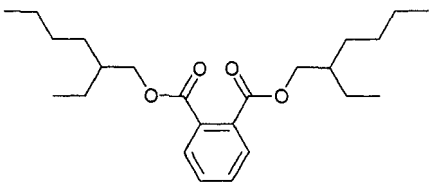
$C_{24}H_{34}Br_4O_4$

Phthalic acid, tetrabromo-, di(2-ethylhexyl) ester.

1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, bis(2-ethylhexyl) ester; Bis(2-ethylhexyl) tetrabromophthalate; EINECS 247-426-5; Phthalic acid, tetrabromo-, bis(2-ethylhexyl) ester.

406 Bis(2-ethylhexyl)phthalate

117-81-7 2884 G H



$C_{24}H_{38}O_4$

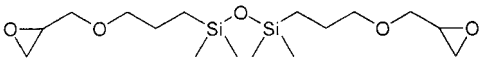
Di-(2-ethylhexyl) phthalate.

4-09-00-03181 (Beilstein Handbook Reference); AI3-04273; Bis(2-ethylhexyl) 1,2-benzenedicarboxylate; Bis-(2-ethylhexyl)ester kyseliny ftalove; Bis(2-ethylhexyl) phthalate; Bisoflex 81; Bisoflex DOP; BRN 1890696; Caswell No. 392K; CCRIS 237; Celluflex DOP; Compound 889; DEHP; Di-(2-ethylhexyl) phthalate; Di-sec-octyl phthalate; Diacizer DOP; Dioctyl phthalate; DOF; EINECS 204-211-0; EPA Pesticide Chemical Code 295200; Ergoplast FDO; Ergoplast FDO-S; Etalon; Ethyl hexyl phthalate; Eviplast 80; Eviplast 81; Fleximel; Flexol DOP; Flexol Plasticizer DOP; Good-rite GP 264;

Hatcol DOP; Hercoflex 260; HSDB 339; Jayflex DOP; Kodaflex® DEHP; Kodaflex® DOP; Mollan O; Monocizer DOP; NCI-C52733; NSC 17069; Nuoplaz DOP; Octoil; Octyl phthalate; Palatinol AH; Phthalic acid, bis(2-ethylhexyl) ester; Pittsburgh PX-138; Plasthall DOP; Platinol AH; Platinol DOP; PX-138; RC Plasticizer DOP; RCRA waste number U028; Reomol D 79P; Reomol DOP; Sansocizer DOP; Sansocizer R 8000; Sconamoli DOP; Sicol 150; Staflex DOP; Truflex DOP; Vestinol AH; Vinicizer 80; Witcizer 312. All-purpose plasticizer used with PVC resins incl. film and sheeting for upholstery, clothing, food pkg., paper coatings, molded vinyl products, electrical wire insulation; compatible with PS, methylmethacrylate, chlorinated rubber, NC, and CAB; low odor, relatively low toxicity and low volatility. Also used in vacuum pumps. Registered by EPA (cancelled). Light-colored liquid; mp = -55°; bp = 384°, bp_5 = 231°; d_{20}^{20} = 0.9861; viscosity (centistokes) = 386 at 0°, 22 at 20°, 31 at 37.8°, 5 at 100°; insoluble in H_2O, slightly soluble in CCl_4; soluble in mineral oil. LD_{50} (rat orl) = 30600 mg/kg; TLV = 5 mg/m^3. *Aristech; BASF Corp.; BP Chem.; Chemisphere; Chisso Corp.; Daihachi Chem. Ind. Co. Ltd; Degussa-Hüls Corp.; Eastman Chem. Co.; Hall C.P.; Mitsubishi Gas; Sigma-Aldrich Co.; UCB SA.*

407 Bis(3-glycidoxypropyl)tetramethyl-disiloxane

126-80-7 G



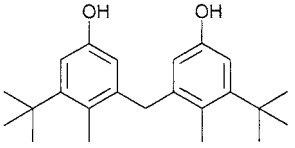
$C_{16}H_{34}O_5Si_2$

1,3-Bis(3-(glycidyloxy)propyl)-1,1,3,3-tetramethyldi-siloxane.

1,3-Bis(3-(2,3-epoxypropoxy)propyl)-1,1,3,3-tetramethyl-disiloxane; 1,3-Bis(3-(2,3-epoxypropoxy)-propyl)tetra-methyldisiloxane; Disiloxane, 1,1,3,3-tetramethyl-1,3-bis(3-(oxiranylmethoxy)propyl)-; Disii-oxane, 1,3-bis(3-(2,3-epoxypropoxy)propyl)-1,1,3,3-tetramethyl-; EINECS 204-803-9; NSC 93976. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

408 Bis(2-hydroxy-3-tert-butyl-5-methyl-phenyl)methane

119-47-1 G H



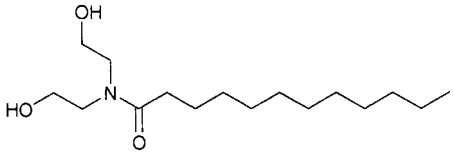
$C_{22}H_{32}O_2$

2,2'-Methylenebis(6-tert-butyl-p-cresol).

2246; 4-06-00-06801 (Beilstein Handbook Reference); 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol; A 22-46; Advastab 405; AI3-18027; Alterungsschutzmittel BKF; Antage W 400; Anti Ox; Antioxidant 1; Antioxidant 2246; Antioxidant BKF; Antioxidant NG-2246; AO 1 (Antioxidant); AO 2246; AO1; Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane; Bisaklofen BP; BKF; BRN 2062676; Calco 2246; CAO 14; CAO 5; Catolin 14; CCRIS 4919; Chemanox 21; Cyanox® 2246; EINECS 204-327-1; HSDB 5585; Lederle 2246; Methane, 2,2'-bis(6-t-butyl-p-cresyl)-; Methane, 2,2'-bis(6-tert-butyl-p-cresyl)-; Methylene bis methyl butyl phenol; 2,2'-Methylenebis(4-methyl-6-tert-butylphen-ol); 2,2'-Methylenebis(6-(1,1-dimethylethyl)-p-cresol); 2,2'-Methylenebis(6-tert-butyl-p-cresol); NG 2246; Nocrac NS 6; NSC 7781; Oxy Chek 114; Plastanox 2246; Plastanox 2246 Antioxidant; S 67; Sumilizer MDP; Synox 5LT; Ultranox® 2246; Vulkanox® BKF. Antioxidant preventing thermal oxidation of ABS, polyethylene, PP, and EVA; oxidation inhibitor for fats, oils, and paraffin wax; polymerization inhibitor in chemical processes; for ABS, hot-melt adhesives, latex carpet backing, and speciality olefin applications. Stabilizer, antioxidant for PP, polyethylene, Polyoxymethylene copolymer, polyoxymethylene homopolymer, styrenics, and rubber. Nonstaining antioxidant for natural and synthetic rubbers; used in transparent, bathing, surgical techniques and latex goods, fabric proofings; stabilizer for hot-and cold-polymerized emulsion-SBR, BR, and NBR, and solution-BR, IR, and ABS. Solid; mp = 123-127°. *Am. Cyanamid; Bayer AG; Ciba-Geigy Corp.; GE Silicones; Polysar.*

409 Bis(2-hydroxyethyl)lauramide

120-40-1 G P



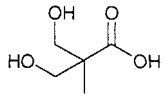
$C_{16}H_{33}NO_3$

N,N-Bis(2-hydroxyethyl)lauramide.

4-04-00-01539 (Beilstein Handbook Reference); Ablumide LDE; AI3-09484; Alkamide® 327; Alkamide LE; Amide, dodecyl-,; Aminon L 02; Amisol LDE; Bis(2-hydroxyethyl)lauramide; BRN 1791417; Caswell No. 519A; CCRIS 4662; Chemistat 2500; Chemstat LD 100; Clindrol 100L; Clindrol 101CG; Clindrol 200L; Clindrol 203CG; Clindrol 210CGN; Clindrol superamide 100L; Coco diethanolamide; Coconut oil amide of diethanolamine; Comperlan LD; Condensate PL; Crillon LDE; Diethanol lauric acid amide; Diethanolamine lauric acid amide; Diethanolamine lauroylamide; Diethanollauramide; Dodecanamide, N,N-bis(2-hydroxyethyl)-; Duspar LA 2000; EINECS 204-393-1; EMID 6511; Empilan LDE; EPA Pesticide Chemical Code 079018; Ethylan MLD; Hetamide ML; HSDB 5586; Incromide LR; Lalmin D; Lankrostat JP; Lauramide DEA; Lauramido DEA; Lauric acid diethanolamide; Lauric acid diethanolamine condensate (1:1); Lauric diethanolamide; Lauroyl diethanolamide; Lauryl diethanolamide; LDA; LDE; Mackamide LL; Mackamide LLM; Methyl laurate-diethanolamine condensate; Monamid 150-LW; NCI-C55323; Ninol 4821; Ninol AA-62 Extra; Ninol AA62; Ninol P-621; Onyxol 345; Rewomid DL 203/S; Rewomid DLMS; Richamide 6310; Richamide STD; Rolamid CD; Standamid LD; Standamidd LD; Steinamid DL 203 S; Stepan LDA; Super amide L-9A; Super amide L-9C; Synotol L-60; Unamide J-56; Varamid ML 1; Varamide ML 1; Witcamide® 5195. Mixture of ethanolamides of lauric acid; foam booster/stabilizer, detergency and viscosity builder, emulsifier, wetting agent for personal care products, household and institutional detergents. Viscosity modifier, foam stabilizer, lubricant, conditioner, lubricant, emulsifier, wetting agent, thickener, penetrant, dye dispersant, scouring aid, antistat; cosmetics and toiletries; industrial foamer and stabilizer; metal processing; textile surfactant; Aerosol®® formulations. Widely used in cosmetics, shampoos, soaps, and related consumer products, to which there is extensive human exposure. Registered by EPA as an antimicrobial, fungicide, insecticide and rodenticide (cancelled).

410 2,2-Bis(hydroxymethyl)propionic acid

4767-03-7 3279 H



$C_5H_{10}O_4$

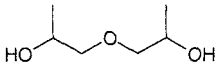
α,α-Bis(hydroxymethyl)propionic acid

α,α-Bis(hydroxymethyl)propionic acid; 2,2-Bis(-hydroxymethyl)propionic acid; 2,2-Dimethylolprop-ionic acid; Dimethylolpropionic acid; EINECS 225-306-3; Hydracrylic acid, 2-(hydroxymethyl)-2-methyl-; NSC 96616; Propanoic acid, 3-hydroxy-2-(hydroxy-methyl)-2-methyl-; Propionic acid, 2,2-bis(hydroxy-

methyl)-. Solid; mp = 190°.

411 Bis(2-hydroxypropyl) ether

110-98-5 G H



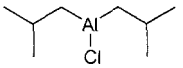
$C_6H_{14}O_3$

2,2'-Dihydroxydipropyl ether.

4-01-00-02473 (Beilstein Handbook Reference); 4-Oxaheptane-2,6-diol; AI3-01233; Bis(2-hydroxypropyl) ether; BRN 1698372; 2,2'-Dihydroxydipropyl ether; 1,1'-Dimethyldiethylene glycol; EINECS 203-821-4; HSDB 2854; NIAX catalyst D-19; NSC 8688; 1,1'-Oxybis-2-propanol; 1,1'-Oxydipropan-2-ol; 2-Prop-anol, 1,1'-oxydi-; 2-Propanol, 1,1'-oxybis-. Used as a solvent; in polyester and alkyd resins, reinforced plastics, plastics, plasticizers and solvents. Liquid; bp = 233°; d = 1.023; soluble in H_2O, organic solvents; irritant, mildly toxic by ingestion. *Allchem Ind.; Arco; Ashland; Berje; Brown Chem. Co.; Coyne; Great Western; Olin Corp; PMC; Sigma-Aldrich Fine Chem.; Texaco.*

412 Bis(isobutyl)aluminum chloride

1779-25-5 H



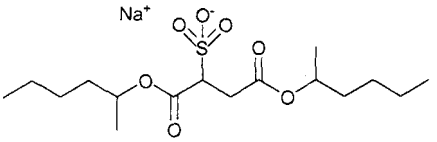
$C_8H_{18}AlCl$

Chlorobis(2-methylpropyl)aluminum.

Alluminio diisobutil-monocloruro; Aluminum, chloro-bis-(2-methylpropyl)-; Aluminum, chlorodiisobutyl-; Bis-(isobutyl)aluminum chloride; Chlorobis(2-methyl-propyl)-aluminum; Chlorodiisobutylaluminium; Dibac; Diiso-butylaluminum chloride; Diisobutylaluminum mono-chloride; Diisobutylchloroaluminum; EINECS 217-216-8; HSDB 5856.

413 Bis(1-methylamyl) Sodium Sulfosuccinate

6001-97-4 1254 G



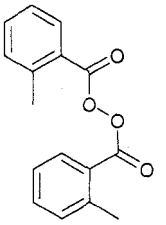
$C_{16}H_{29}NaO_7S$

Sulfobutanedioic acid 1,4-bis(1-methylpentyl) ester sodium salt.

Alphasol MA; Aerosol®® MA; Bis(1-methylamyl) sodium sulfosuccinate; Butanedioic acid, sulfo-, 1,4-bis(1-methylpentyl) ester, sodium salt; Dihexyl sodium sulfosuccinate; EINECS 227-847-0; Lankropol® KMA; Sodium dihexyl sulfosuccinate; Sodium 1,4-diisohexyl 2-sulphosuccinate. Emulsifier, wetting agent, especially in solutions of electrolytes; used as a solubilizer for soaps, emulsion polymerization aid. Solid; soluble in H_2O, pine oil, oleic acid, Me_2CO, kerosene, CCl_4, EtOH, C_6H_6, hot olive oil, glycerol; insoluble in liquid petrolatum. *Harcros.*

414 Bis(o-methylbenzoyl)peroxide

3034-79-5 G



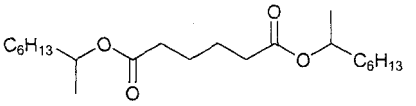
$C_{16}H_{14}O_4$

Di(2-methylbenzoyl) peroxide.

Bis(o-toluoyl) peroxide; EINECS 221-231-5; Perkadox® 20; Peroxide, bis(2-methylbenzoyl). Initiator. *Akzo Chemie.*

415 Bis(1-methylheptyl) adipate

108-63-4 H



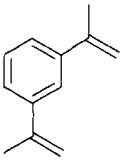
$C_{22}H_{42}O_4$

Bis(1-methylheptyl) hexanedioate.

Adipic acid, bis(1-methylheptyl) ester; Bis(1-methylheptyl) adipate; EINECS 203-601-8; Bis(1-methylheptyl) hexanedioate; Hexanedioic acid, bis(1-methylheptyl) ester; NSC 6197.

416 m-Bis(1-methylvinyl)benzene

3748-13-8 H



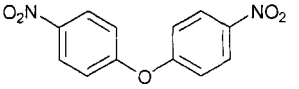
$C_{12}H_{14}$

1,3-Bis(1-methylethenyl)benzene.

Benzene, 1,3-bis(1-methylethenyl)-; Benzene, m-diisopropenyl-; 1,3-Bis(1-methylethenyl)benzene; BRN 2073277; 1,3-Diisopropenylbenzene; EINECS 223-146-9; m-Bis(1-methylvinyl)benzene; m-Diisopropenylbenzene; m-DIPEB.

417 Bis(4-nitrophenyl) ether

101-63-3 H



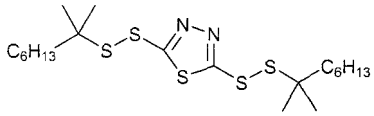
$C_{12}H_8N_2O_5$

4,4'-Dinitrodiphenyl oxide.

4-06-00-01290 (Beilstein Handbook Reference); AI3-08831; Benzene, 1,1'-oxybis(4-nitro-; Bis(4-nitrophenyl) ether; BRN 2058965; 4,4'-Dinitrodiphenyl ether; p,p'-Dinitrodiphenyl ether; Di-4-nitrophenyl ether; EINECS 202-961-3; Ether, bis(4-nitrophenyl); NSC 8740; p-Nitrophenyl ether; Oxybis(4-nitrobenzene).

418 2,5-Bis(tert-nonyldithio)-1,3,4-thia-diazole

89347-09-1 H

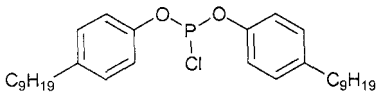


$C_{20}H_{38}N_2S_5$
1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-.
2,5-Bis(tert-nonyldithio)-1,3,4-thiadiazole; EINECS 289-493-3; 1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio

419 **Bis(nonylphenyl)amine**
36878-20-3 H

$C_{30}H_{47}N$
Benzenamine, ar-nonyl-N-(nonylphenyl)-.
Benzenamine, ar-nonyl-N-(nonylphenyl)-; Bis(nonyl-phenyl)amine; EINECS 253-249-4.

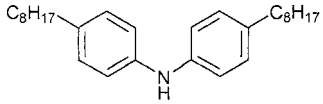
420 **Bis(4-nonylphenyl) chlorophosphite**
63302-49-8 H



$C_{30}H_{46}ClO_2P$
Phosphorochloridous acid, bis(4-nonylphenyl) ester.
Bis(4-nonylphenyl) chlorophosphite; EINECS 264-082-1; Phosphorochloridous acid, bis(4-nonylphenyl) ester.

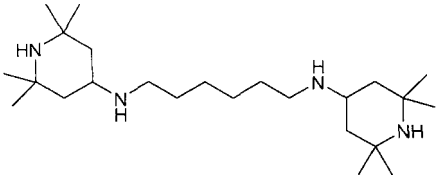
421 **Bis(p-octylphenyl)amine**

421 **Bis(p-octylphenyl)amine**
101-67-7 G H



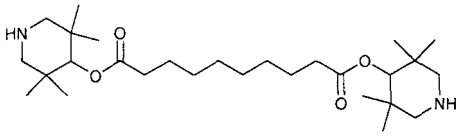
$C_{28}H_{43}N$
4,4'-Dioctyldiphenylamine.
AI3-17279; Benzenamine, 4-octyl-N-(4-octylphenyl)-; Bis(4-octylphenyl)amine; Bis(p-octylphenyl)amine; CCRIS 6029; Di-n-octyl diphenylamine; p,p-Dioctyl-diphenylamine; Diphenylamine, 4,4'-dioctyl-; EINECS 202-965-5; HSDB 5341; Naugalube® 438; NSC 79268. Antioxidant in automatic transmission fluids, turbine oil, and synthetic lubricants used in jet turbine engines; thermal stabilizer for automatic transmission fluid at high temperatures. Crystals; mp= 96-97°; insoluble in H_2O (<1 mg/ml); LD_{50} (rat orl) = 7.58 g/kg. *Uniroyal.*

422 **N,N'-Bis(2,2,6,6-tetramethyl-4-piperidinyl)-1,6-hexanediamine**
61260-55-7 H



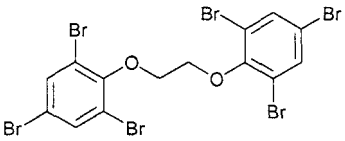
$C_{24}H_{50}N_4$
1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-pip-eridinyl)-.
A 31; A 31 (stabilizer); N,N'-Bis(2,2,6,6-tetramethyl-piperidin-4-yl)hexane-1,6-diamine; EINECS 262-679-1; 1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-pip-eridinyl)-.

423 **Bis(2,2,6,6-tetramethyl-4-piperidinyl) sebacate**
52829-07-9 G H



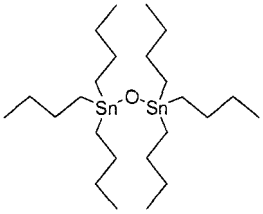
$C_{28}H_{52}N_2O_4$
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperid-inyl) ester.
ADK Stab LA 77; Bis(2,2,6,6-tetramethyl-4-piperidinyl) decanedioate; Bis(2,2,6,6-tetramethyl-4-piperidinyl)-sebacate; Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester; EINECS 258-207-9; HALS 1; HALS 770; Lowilite® 77; LS 770; Mark LA 77; Sanol; Sanol 770; Sanol LS 700; Sanol LS 770; Sumisorb 577; T 770; TIN 770; Tinuvin 770; Tinuvin 770DF; Tinuvin 770LS; TK-10665; Uvaseb 770. Light stabilizer for polyolefins, ABS, PUR acrylics, PS and styrene copolymers, thermoplastic elastomers, ethylene-propylene copolymers, polyamides. *Ciba-Geigy Corp.; EniChem SpA; Lowi.*

424 **1,2-Bis(2,4,6-tribromophenoxy)ethane**
37853-59-1 H



$C_{14}H_8Br_6O_2$
1,1'-(1,2-Ethanediylbis(oxy))bis(2,4,6-tribromobenzene).
Benzene, 1,1'-(1,2-ethanediylbis(oxy))bis(2,4,6-tri-bromo-; 1,2-Bis(2,4,6-tribromophenoxy)ethane; 1,2-Bis(tribromo-phenoxy)ethane; CCRIS 4752; EINECS 253-692-3; Ethane, 1,2-bis(2,4,6-tribromophenoxy)-; 1,1'-(1,2-Ethane-diylbis(oxy))bis(2,4,6-tribromo-benzene); 1,1'-(Ethane-1,2-diylbisoxy)bis(2,4,6-tri-bromobenzene); FF 680; FF 680; FireMaster 680; FireMaster FF 680; HSDB 6099.

425 **Bis(tributyltin) Oxide**
56-35-9 H P

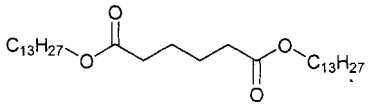


$C_{24}H_{54}OSn_2$
5,5,7,7-Tetrabutyl-6-oxa-5,7-distannaundecane.
AF-SeafloZ-100; AI3-24979; AW 75-D; Biomet; Biomet 66; Biomet 75; Biomet TBTO; BioMeT SRM; Bis-(tri-n-butylcin)oxid; Bis(tri-n-butyltin) oxide; Bis(tri-n-butylzinn)-oxyd; Bis(tri-n-tributyltin)oxide; Bis(tri-butyloxide) of tin; Bis(tributylstannium) oxide; Bis(tri-butylstannyl)oxide; Bis(tributyltin) oxide; BKA007; BMC; BTO; Butinox; C-Sn-9; Caswell No. 101; CCRIS 3697; Distannoxane, hexabutyl-; EINECS 200-268-0; ENT 24,979; EPA Pesticide Chemical Code 083001; HBD; Hexabutyldistannioxan; Hexabutyldistannoxane; Hexa-butylditin; HSDB 6505; Interlux

Micron; Interswift; Kyslicnik tri-n-butylcinicity; L.S. 3394; Lastanox F; Lastanox Q; Lastanox T; Lastanox T 20; MBC; Mykolastanox F; Navicote 2000; NSC 22332; OTBE; Oxybis(tributylstannane); Oxybis(tributyltin); Oxyde de tributyletain; Sigmaplane 7284; Stannane, tri-n-butyl-, oxide; Stannicide A; Super Sea Jacket; TBOT; TBTO; Tin, bis(tributyl)-, oxide; Tin, oxybis(tributyl-; Tributyltin oxide; Vikol AF-25; Vikol LO-25; ZK 21995. Registered by EPA as a fungicide. Primary use is as a fungicide, secondary uses are as algicide, molluscicide and bactericide. Colorless - light yellow liquid; bp2 ■ 180°; mp = -45°; d_4^{20} = 1.14; soluble in H_2O (0.01 g/100 ml at 25°), in sea water (0.006 g/100 ml), soluble in most organic solvents. *Akcros Chemicals America; Akzo Nobel Chemicals Inc; Betzdearborn; Biosentry, Inc.; CK Witco Chem. Corp.; Elf Atochem N. Am.; Eprova AG; Flexabar Corp.; H & S Chemicals Division; IBC Manufacturing Co.; International Paint, Inc.; Janssen Chimica; La Littorale; PPG Ind.; Thomson Research Associates; Vinings Industries Inc.*

426 Bis(tridecyl) adipate

16958-92-2 H



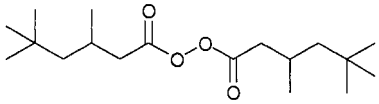
$C_{32}H_{62}O_4$

Hexanedioic acid, ditridecyl ester.

Adipic acid, ditridecyl ester; Bis(tridecyl) adipate; Dilinoleic acid, ditridecyl ester; Dimer acid, ditridecyl ester; Ditridecyl adipate; Ditridecyl dimer dilinoleate; Ditridecyl dimerate; Ditridecyl hexanedioate; EINECS 241-029-0; Hexanedioic acid, ditridecyl ester.

427 Bis(3,5,5-trimethylhexanoyl) peroxide

3851-87-4 G



$C_{18}H_{34}O_4$

Peroxide, bis(3,5,5-trimethyl-1-oxohexyl).

Bis(1-oxo-3,5,5-trimethylhexyl)peroxide; Bis(3,5,5-tri-methyl-1-oxohexyl) peroxide; EINECS 223-356-0; Peroxide, bis(3,5,5-trimethyl-1-oxohexyl); 3,5,5-Tri-methylhexanoyl peroxide; USP® - 355M. Used as an initiator for radical polymerization. *Ethitek Pharmaceuticals Co.*

428 Bismuth

7440-69-9 1256 G

Bi

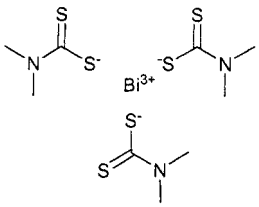
Bi

Bismuth.

Bismuth; Bismuth-209; Bismuth, elemental; EINECS 231-177-4; HSDB 2078. Used in the synthesis of pharmaceuticals and medicinals, cosmetics, alloys, catalyst in making acrylonitrile, additive, coating selenium. Metal; mp = 271°; bp = 1420°. *Asarco; Atomergic Chemetals; Frys Metals Ltd; Noah Chem*

429 Bismuth dimethyldithiocarbamate

21260-46-8 G



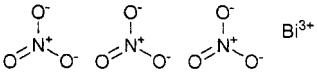
$C_9H_{18}BiN_3S_6$

Bismuth, tris(dimethylcarbamodithioato-S,S')-, (OC-6-11)-

Bismate®; Bismet; Bismuth dimethyldithiocarbamate; Bismuth N,N-dimethyldithiocarbamate; Bismuth, tris-(dimethylcarbamodithioato); Bismuth, tris(dimethyl-carbamodithioato-S,S')-; Bismuth tris(dimethyldithio-carbamate); Carbamic acid, dimethyldithio-, bismuth salt; Carbamic acid, dimethyldithio-, bismuth(3+) salt; Carbamodithioic acid, dimethyl-, bismuth salt; EINECS 244-299-8; NSC 70079; Tris(dimethyldithiocarbam-ato)-bismuth. Ultra accelerator for NR, IR, BR, and SBR; for high temperature, high speed vulcanization of compounds which must be high-temperature cured; nonstaining. *Akrochem Chem. Co.; Vanderbilt R.T. Co. Inc.*

430 Bismuth nitrate

10361-46-3 G



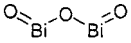
$Bi(NO_3)_3$

Bismuth (III) nitrate, basic.

Bismuthyl nitrate; Bismuthoxy nitrate; Bismuth trinitrate; (Nitrooxy)oxobismuthine; EINECS 233-792-3. Preparation of other bismuth salts, bismuth luster on tin, luminous paints and enamels, precipitation of alkaloids. Crystals; d = 2.83; soluble in H_2O containing nitric acid. *Atomergic Chemetals; Mallinckrodt Inc.; Nihon Kagaku Sangyo; Noah Chem.*

431 Bismuth oxide

1304-76-3 1273 D G



Bi_2O_3

bismuth trioxide.

Bismuth oxide; Bismuth oxide (Bi_2O_3); Bismuth sesquioxide; Bismuth sesquioxide (Bi_2O_3); Bismuth trioxide; Bismuth Yellow; Bismuth(3+) oxide; Bismuth(III) oxide; Bismuthous oxide; C.I. 77160; Dibismuth trioxide; EINECS 215-134-7; Flowers of Bismuth. Used in enameling cast iron, ceramic, porcelain colors. In disinfectants, magnets, glass, rubber vulcanization, fireproofing papers and polymers. An astringent, also used in disinfectants, magnets and catalysts. Yellow powder, practically insoluble in H_2O. *Atomergic Chemetals; Ferro/Transelco; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

432 Bismuth oxychloride

7787-59-9 1262 D G

BiClO

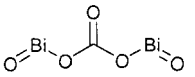
Bismuth(III) oxychloride.

Basic bismuth chloride; BIJU; Bismuth chloride oxide; Bismuth oxychloride; Bismuth subchloride; Bismuthine, chlorooxo-; Bismuthyl chloride; Blanc d'Espagne; Blanc de perle; Chlorbismol;

Chlorooxobismuthine; CI 77163; EINECS 232-122-7; Flake white; Mearlite; Pearl white; Pigment white 14; U Pink 113, U Violet 109; Ultramarine pink. Bismuth oxychloride in liquid suspension; in face powders; as pigment; used in the manufacture of artificial pearls, dry-cell cathodes. A basic bismuth nitrate, $Bi(OH)_2NO_3$ is also known as pearl white, a pigment. The term is sometimes used in connection with a white lead which has been tinted with Paris blue or indigo. Has been used to treat syphilis. Fine powder or crystals; d = 7.72; melts at low red heat; insoluble in H_2O; soluble in HCl, HNO_3. Atomergic; British; Chemetals; Drug; Dyk; Houses; Mallinckrodt; Mearl; Van.

433 Bismuth subcarbonate

5892-10-4 1283 D G V



CBi_2O_5

Bismuth oxycarbonate.

Amforol (Veterinary); Basic bismuth carbonate; Bismuth subcarbonate; Dibismuth carbonate dioxide; 2,4-Dioxa-1,5-dibismapentane, 1,3,5-trioxo-; EINECS 227-567-9. Bismuth compounds, cosmetics, opacifier in x-ray diagnosis, enamel fluxes, ceramic glazes. FDA permanently listed. Used as a skin protectant and as a color additive for externally applied pharmaceuticals. Odorless, tasteless powder; insoluble in H_2O, EtOH; d = 6.860. *Atomergic Chemetals; Mallinckrodt Inc.; Spectrum Chem. Manufacturing.*

434 Bismuth subnitrate

1304-85-4 1285 D G

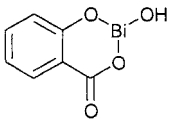
$H_9Bi_5N_4O_{22}$

Bismuth hydroxide nitrate oxide.

Basic bismuth nitrate; Bismuth hydroxide nitrate oxide ($Bi_5(OH)_9(NO_3)_4O$); Bismuth magistery; Bismuth nitrate, basic; Bismuth oxide (Bi_2O_3), compd with nitrogen oxide (N_2O_5) (6:5); Bismuth oxynitrate; Bismuth paint; Bismuth subnitrate; Bismuth subnitricum; Bismuth White; Bismuthyl nitrate; Blanc de fard; C.I. 77169; C.I. Pigment White 17; Cosmetic White; EINECS 215-136-8; Flake White; HSDB 1608; Magistery of bismuth; Mammol; Novismuth; Paint White; Snowcal 5 SW; Snowcal 5SW; Spanish White; Vicalin; Vikaline. Used in cosmetics, ceramic glazes, enamel fluxes and as an antacid. Odorless, tastless, slightly hydroscopic microcrystalline powder; practically insoluble in H_2O and alcohol. *Atomergic Chemetals; Celtic Chem. Ltd.; Greeff R.W. & Co.; Mallinckrodt Inc.*

435 Bismuth subsalicylate

14882-18-9 1286 D G



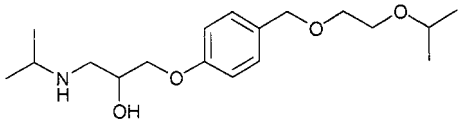
$C_7H_5BiO_4$

(2-Hydroxybenzoato-O^1)-oxobismuth.

Basic bismuth salicylate; Bismogenol tosse inj; Bismuth, (2-hydroxybenzoato-O1,O2)oxo-; Bismuth oxide salicylate; Bismuth, oxo(salicylato)-; Bismuth oxy-salicylate; Bismuth salicylate, basic; Bismuth subsalicylate; CCRIS 4751; EINECS 238-953-1; HSDB 332; (2-Hydroxybenzoato-O^1)-oxobismuth; 2-Hydroxy-benzoic acid bismuth(3+) salt; 2-Hydroxybenzoic acid bismuth (3+) salt, basic; Salicylic acid basic bismuth salt; Salicylic acid, bismuth basic salt; Stabisol. Used in surface-coating plastics and copying paper. Imparts pearly surface to cellulose-base, polystyrene and phenol-formaldehyde resins. Used medicinally as an antidiarrheal, antacid and antiulcerative. White solid; almost insoluble in H_2O, EtOH. *Atomergic Chemetals; Greeff R.W. & Co.; Mallinckrodt Inc.; Mobay; Spectrum Chem. Manufacturing.*

436 Bisoprolol

66722-44-9 1294 D G



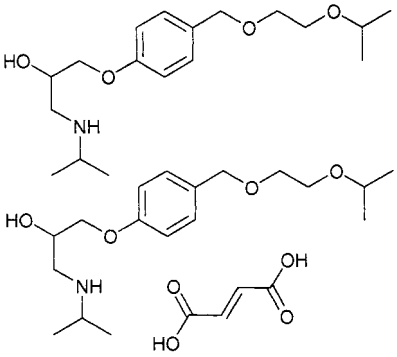
$C_{18}H_{31}NO_4$

(±)-1-[[α(2-Isopropoxyethoxy)-p-tolyl]oxy]-3-(isoprop-yl-amino)-2-propanol.

Bisoprolol; Bisoprololum; CL 297,939; EMD 33 512. Cardioselective β1-adrenergic blocker. Antihyper-tensive. *E. Merck.*

437 Bisoprolol Hemifumarate

104344-23-2 1294 D



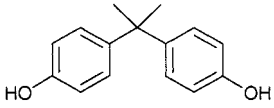
$C_{20}H_{33}NO_6$

(±)-1-[[α(2-Isopropoxyethoxy)-p-tolyl]oxy]-3-(isopropyl-amino)-2-propanol hemifumarate.

Biso-Puren; Bisobloc; Bisomerck; Bisoprolol fumarate; Bisoprolol hemifumarate; CL 297,939; Concor; Concor Plus Forte; Detensiel; Emcor; EMD 33512; Emvoncor; Euradal; Eurtadal; Fondril; Godal; Isoten; Maintate; Monocor; Soprol; TA-4708; Zebeta; Ziac.; component of: Ziac. Cardioselective β1-adrenergic blocker. Anti-hypertensive. Crystals; mp = 100°; soluble in EtOH. *E. Merck.*

438 Bisphenol A

80-05-7 1296 G H



$C_{15}H_{16}O_2$

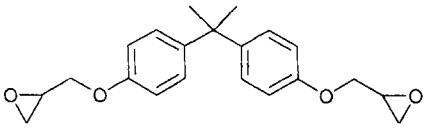
Bis(4-hydroxyphenyl) dimethylmethane.

4-06-00-06717 (Beilstein Handbook Reference); AI3-04009; Biphenol A; Bis(4-hydroxyphenyl) dimethyl-methane; Bis(4-hydroxyphenyl)propane; Bisferol A; Bis-phenol; Bisphenol A; BRN 1107700; CCRIS 95; DIAN; Diano; Dimethyl bis(p-hydroxyphenyl)methane; Di-methylmethylene-p,p'-diphenol; Diphenylolpropane; EINECS 201-245-8; HSDB 513; Ipognox 88;

NCI-C50635; NSC 1767; Parabis A; Phenol, (1-methylethylidene)bis-; Phenol, 4,4'-(1-methylethyl-idene)bis-; Phenol, 4,4'-isopropylidenedi-; Pluracol 245; Propane, 2,2-bis(p-hydroxyphenyl)-; Rikabanol; Ucar bisphenol A; Ucar bisphenol HP. Intermediate in manufacture of epoxy, polycarbonate, phenoxy, polysulfone, polyester resins, flame retardant, rubber chemicals; fungicide. Solid; mp = 147.9°; bp10 ■ 250°; λm = 226, 248, 277 nm (ε 15000, 25900, 1310, MeOH); insoluble in H_2O; soluble in organic solvents; LD_{50} (rat orl) = 3250 mg/kg. *Aristech; Mitsui Petroleum; Mitsui Toatsu; Shell.*

439 Bisphenol A diglycidyl ether

1675-54-3 H



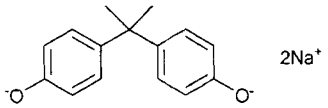
$C_{22}H_{14}O_4$

Bis(4-glycidyloxyphenyl)dimethylmethane.

2,2-Bis(p-(2,3-epoxypropoxy)phenyl)propane; 4,4'-Bis-(2,3-epoxypropoxy)diphenyldimethylmethane; 2,2-Bis-(4-(2,3-epoxypropyloxy)phenyl)propane; Bis(4-glyc-idyloxy-phenyl)dimethylmethane; 2,2-Bis(4-glycidyl-oxyphenyl)-propane; 2,2-Bis(p-glycidyloxyphenyl)-propane; Bis(4-hydroxyphenyl)dimethylmethane di-glycidyl ether; 2,2-Bis(4-hydroxyphenyl)propane, d.-glycidyl ether; 2,2-Bis(p-hydroxyphenyl)propane, di-glycidyl ether; Bisphenol A diglycidyl ether; Bpdge; CCRIS 1965; D.E.R. 332; Dian-bis-glycidylether; Dian diglycidyl ether; Diglycidyl bisphenol A ether; Diglycidyl bisphenol A; Diglycidyl diphenylolpropane ether; Diglycidyl ether of 4,4'-isopropylidenediphenol; Diglycidyl ether of 2,2-bis(p-hydroxyphenyl)propane; Diglycidyl ether of 2,2-bis(4-hydroxyphenyl)propane, Diglycidyl ether of bisphenol A; 4,4'-Dihydroxy-diphenyldimethylmethane diglycidyl ether; p,p'-Di-hydroxydiphenyldimethylmethane diglycidyl ether; Diometnane diglycidyl ether; EINECS 216-823-5; EP 274; Epi-Rez 508; epi-Rez 510; Epi-Rez 510; Epophen EL 5; Epotuf 37-140; Epoxide A; ERL-2774; GY 6010; HSDB 331; 4,4'-Isopropylidenebis(1-(2,3-epoxy-prop-oxy)benzene); 4,4'-Isopropylidenediphenol diglyc-idyl ether; 2,2'-((1-Methylethylidene)bis(4,1-phenylene-oxymethylene))bisoxirane· NSC 5022; Oligomer 340; Oxirane, 2,2'-((1-methylethylidene)bis(4,1-phenylene-oxy-methylene))bis-; Propane, 2,2-bis (p-(2,3-epoxy-propoxy)phenyl); Propane, 2,2-bis(4-(2,3-epoxy-prop-oxy)phenyl)-.

440 Bisphenol A sodium salt

2444-90-8 H



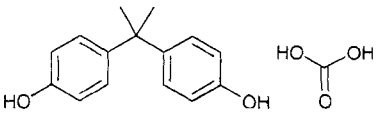
$C_{15}H_{14}Na_2O_2$

4,4'-(1-Methylethylidene)bisphenol disodium salt.

Bisphenol A disodium salt; Bisphenol A sodium salt; Diphenylolpropane disodium salt; Disodium 4,4'-isopropylidenediphenolate; EINECS 219-488-3; HSDB 5660; Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt; Phenol, 4,4'-isopropylidenedi-, disodium salt; Sodium, (isopropylidenebis(p-phenyleneoxy))di-.

441 Bisphenol-A polycarbonate

25037-45-0 H



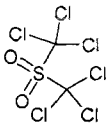
$(C_{15}H_{16}O_2.CH_2O_3)_x$

Carbonic acid, polyester with 4,4'-isopropylidenediphenol.

Bisphenol-A-polycarbonate; Carbonic acid, polyester with 4,4'-isopropylidenediphenol; Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis(phenol).

442 Bistrichloromethylsulfone

3064-70-8 G P



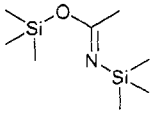
$C_2Cl_6O_2S$

Sulfonylbis(trichloromethane).

4-03-00-00285 (Beilstein Handbook Reference); Amerstat® 294; Bis(trichloromethyl)sulfone; Bis(trichloro-methyl) sulphone; BRN 1783352; Caswell No. 104; CCRIS 809; Chlorosulfona; Clorosulfona; EINECS 221-310-4; EPA Pesticide Chemical Code 035601; Hexachlorodimethyl sulfone; HSDB 7126; Methane, sulfonylbis(trichloro-; N 1386; N-1386 biocide; NSC 21713; Slimicide E; Stauffer N-1386®; Sulfone, bis(trichloromethyl); Trichloromethylsulfone. Industrial biocide for control of algae, bacteria and fungi. Used to control bacteria and fungi in wastewater, as a slimicide for paper/paperboard production; a preservative for adhesives, latexes, secondary oil well recovery. Registered by EPA as an algicide, fungicide, herbicide and antimicrobial. *Akzo Chemie; Betzdearborn; Drew Industrial Div.; Hercules Inc.; Ondeo Nalco Co.; Verichem Inc.*

443 Bistrimethylsilyl acetamide

10416-59-8 G



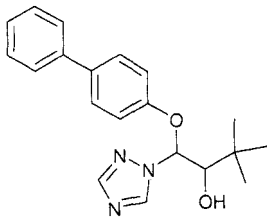
$C_8H_{21}NOSi_2$

N,O-Bis(trimethylsilyl)acetamide.

Acetimidic acid, N-(trimethylsilyl)-, trimethylsilyl ester; BRN 1306669; CB2500; Dynasylan® BSA; EINECS 233-892-7; Ethanimidic acid, N-(trimethylsilyl)-, trimethylsilyl ester; Trimethylsilyl N-trimethylsilylacetamidate; N-(Trimethylsilyl)acetimidic acid, trimethylsilyl ester; N,O-Bis(trimethylsilyl)acetamide. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid, d = 0.832; bp = 71-73°; n_D^{20}= 1.418; flash pt=11°; moderately toxic by intraperitoneal route. *Degussa-Hüls Corp.*

444 Bitertanol

55179-31-2 1301 G P



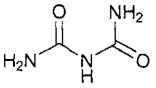
$C_{20}H_{23}N_3O_2$

β-[(1,1'-Biphenyl)-4-yloxy]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol.

5-26-01-00134 (Beilstein Handbook Reference); Bay KWG 0599; Baycor; Baycor 25 WP; Baymat-spray; Bilioxazol; Bitertanol; BRN 0620948; EINECS 259-513-5; KWG 0599; Sibutol. Broad spectrum fungicide. Mixture of diastereoisomers. Systemic foliar fungicide used especially to control scab on apples and black spot on roses. Crystals; mp = 140° (diastereoisomer A), 146° (diasteroisomer B), 118° (Eutectic mixture); soluble in H_2O (0.0005 g/100 ml), C_6H_{14} (0.1 - 1.0 g/100 ml), CH_2Cl_2 (10 - 20 g/100 ml), i-PrOH (3 - 10 g/100 ml), cyclohexanone (5 - 10 g/100 ml), C_7H_8 (1 - 3 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (mus orl) = 4200 - 4500 mg/kg, (dog orl) > 5000 mg/kg, (rat der) > 5000 mg/kg; LC_{50} (carp 48 hr.) = 2.5 mg/l, (rainbow trout 96 hr.) = 2.2 - 2.7 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp., Agriculture.*

445 Biuret

108-19-0 1305 H



$C_2H_5N_3O_2$

Dicarbamylamine.

AI3-14905; Allophanamide; Allophanic acid amide; Allophanimidic acid; Biuret; Carbamoylurea; Carbamyl-urea; Caswell No. 106A; Caswell No. 159A; Di-carbamylamine; EINECS 203-559-0; EPA Pesticide Chemical Code 206200; HSDB 5382; Imidodicarbonic diamide; isobiuret; NSC 8020; Urea, (aminocarbonyl)-; Ureidoformamide. Crystals; mp ■ 190° (dec); λ_m = 216 nm (ε = 5623, pH 13); insoluble in Et_2O, slightly soluble in H_2O, very soluble in EtOH.

446 Bone charcoal

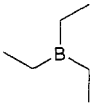
8021-99-6 H

Bone charcoal.

Bone black; Bone charcoal; Charcoal, bone; CI 77267; EINECS 232-421-2; Pigment black 9.

447 Borethyl

97-94-9 G



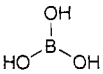
$C_6H_{15}B$

Triethylboron.

4-04-00-04359 (Beilstein Handbook Reference); Borane, triethyl-; Boron ethyl; Boron triethyl; BRN 1731462; EINECS 202-620-9; HSDB 897; Triethylborane; Triethylborine; Triethylboron. Used as an initiator of radical reactions. Liquid; mp = -93°; bp = 95°; d^{23} = 0.700; soluble in EtOH, Et_2O; LD_{50} (rat orl) = 235 mg/kg.

448 Boric acid

10043-35-3 1326 D G P



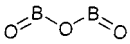
H_3BO_3

Orthoboric acid.

AI3-02406; Ant Flip; Basilit B; Bluboro; Boracic acid; Boric acid; Borofax; Boron hydroxide; Boron trihydroxide; Borsaure; Caswell No. 109; CCRIS 855; Collyrium Eye Wash; Collyrium Fresh-Eye Drops; component of Aci-Jel; Dr.'s 1 Flea Terminator DTPBO; Dr.'s 1 Flea Terminator DF; Dr.'s 1 Flea Terminator DFPBO; Dr.'s 1 Flea Terminator DT; EINECS 233-139-2; EPA Pesticide Chemical Code 011001; Flea Prufe; Homberg's salt; HSDB 1432; NCI-C56417; NSC 81726; Orthoboric acid; Sal Sedativus; Super Flea Eliminator; Three elephant; Trihydroxyborone.; component of: Bluboro, Borofax, Collyrium Eye Wash, Collyrium Fresh-Eye Drops. Used for waterproofing wood; fireproofing fabrics; preservative; manuf.cements, ceramics, glass, hats, soaps, leather, borates, enamels, crockery; cosmetics; printing, painting, and dyeing; photography; hardening steel. Active ingredient in ant bait; for household, hospital, restaurant use for controlling pharoah and other sweet eating ants; workers carry bait back to nest to kill the colony. Fungicide. Registered by EPA as a fungicide, herbicide and insecticide. Used medicinally as an astringent and antiseptic. Transparent crystals, mp = 171°; pH of 0.1M solution = 5.1; soluble in H_2O (5.5 g/100 ml at 20°, 25 g/100 ml at 100°), EtOH (16.6 g/100 ml at 78°), glycerol (25 g/100 ml); LD_{50} (rat orl) = 5140 mg/kg. *Allergan Herbert; Amvac Chemical Corp.; Arch Wood Protection Inc.; Drexel Chemical Co.; Glaxo Wellcome Inc.; J.C. Chemical Co.; Janssen Chimica; OxyChem; Qualis Inc.; U.S. Borax Inc.; Waterbury Companies Inc.; Willert Home Products Inc.; Wyeth-Ayerst Labs.*

449 Boric oxide

1303-86-2 1327 G P



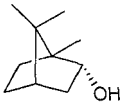
B_2O_3

Boron trioxide.

AI3-51845; Boric acid (HBO_2), anhydride; Boric anhydride; Boric oxide; Boric oxide (B_2O_3); Boron oxide; Boron sesquioxide; Caswell No. 109B; Diboron trioxide; EINECS 215-125-8; Fused boric acid; HSDB 1609. Used in production of boron, heat-resistant glassware, fire-resistant additive for paints, electronics, liquid encapsulation techniques, herbicide. White crystals; mp = 450°; bp = 1860°; d = 2.46; soluble in H_2O (3 g/100 ml); LD_{50} (mus orl) = 3163 mg/kg. *Atomergic Chemetals; Lancaster Synthesis Co.; Noah Chem.; U.S. Borax Inc.*

450 Borneol

507-70-0 1328 G



$C_{10}H_{18}O$

endo-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol.

AI3-00116; Baros; Baros camphor; Bhimsaim camphor; Bicyclo(2.2.1)heptan-2-ol, 1,7,7-trimethyl-, endo-; Bicyclo(2.2.1)heptan-2-ol, 1,7,7-trimethyl-, (1R,2S,4R)-rel-; 2-

Bornanol, endo-; Borneo camphor; Borneol; DL-Borneol; trans-Borneol; Bornyl alcohol; 2-endo-Bornyl alcohol; Camphane, 2-hydroxy-; 2-Camphanol; Camphol; CCRIS 7300; Dryobalanops camphor; EINECS 208-080-0; FEMA No. 2157; HSDB 946; 2-Hydroxybornane; 2-Hydroxycamphane; 2-Hydroxy-1,7,7-trimethylnor-bornane, endo-; Malayan camphor; Sumatra camphor; 1,7,7-Trimethyl-bicyclo(2.2.1)heptan-2-ol, endo-; UN1312. A terpene from *Dryobalanops camphora;* used in perfumery, in celluloid manufacture, and in medicine as an antiseptic. Crystals; mp = 208°; bp = 212°; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 500 mg/kg.

451 Boron

7440-42-8 1333 G

B

B

Boron.

Boron; Boron, metallic; EINECS 231-151-2; HSDB 4482. Nonmetallic element. Used in special-purpose alloys; cementation of iron; neutron absorber in reactor controls; oxygen scavenger for copper and other metals; fibers and filaments in composites; semiconductors; rocket propellant mixtures. mp = 2200°; insoluble in H_2O. *Atomergic Chemetals; Noah Chem.*

452 Boron bromide

10294-33-4 1337 G

BBr_3

Boron tribromide.

Borane, tribromo-; Boron bromide; Boron bromide (BBr_3); Boron tribromide; EINECS 233-657-9; HSDB 327; Tribromoborane; Tribromoboron; Trona; UN2692. Used as a catalyst in organic synthesis, in the manufacture of diborane and boron. Liquid; mp = -46.0°; bp = 91°; d_0 = 2.650; reacts with H_2O. *Janssen Chimica; Kerr-McGee; Sigma-Aldrich Fine Chem.*; 3973Aldrich; Atomergic; Chemetals; Chimica; Janssen; Kerr-McGee.

453 Boron chloride

10294-34-5 1338 G

BCl_3

Boron trichloride.

Borane, trichloro-; Boron chloride (BCl_3); Boron trichloride; Chlorure de bore (French); EINECS 233-658-4; HSDB 326; Trichloroborane; Trichloroboron; UN 1741. Catalyst in organic synthesis; source of boron compounds; refining of alloys; soldering flux; electrical resistors; extinguishing magnesium fires in heat-treating furnaces; manufacture of diborane and boron. Gas; mp = -107°; bp = 12.5°; d_0 = 0.7380. *Air Products & Chemicals Inc.; Atomergic Chemetals; Kerr-McGee; Sigma-Aldrich Fine Chem.*

454 Boron nitride

10043-11-5 1336 G

B≡N

BN

Boron mononitride.

BN 40SHP; Borazon; Boron nitride; Boron nitride (BN); BZN 550; Denka boron nitride GP; Denka GP; EINECS 233-136-6; Elbor; Elbor LO 10B1-100; Elbor R; Elbor RM; Elboron; Geksanit R; Hexanit R; Hexanite R; KBN-H10; Kubonit; Kubonit KR; Sho BN; Sho BN HPS; SP 1; SP 1 (Nitride); Super mighty M; UHP-Ex; Wurzin. Used in manufacture of alloys, in semiconductors, nuclear reactors, lubricants. Solid; mp = 3000°. *Atomergic Chemetals; Carborundum Corp.; New Metals & Chems. Ltd; Noah Chem.*

455 Boron trifluoride

7637-07-2 1339 G

BF_3

Boron fluoride.

Anca 1040; Borane, trifluoro-; Boron fluoride; Boron fluoride (BF_3); Boron trifluoride; EINECS 231-569-5; Fluorure de bore; HSDB 325; Trifluoroborane; Trifluoroboron; UN1008. Lewis acid catalyst in organic synthesis; production of diborane; instruments for measuring neutron intensity; soldering fluxes; gas brazing. Gas; bp = -127.1°; d = 0.8700. *Air Products & Chemicals Inc.; Akzo Chemie; Allied Signal; Atomergic Chemetals; Sigma-Aldrich Fine Chem.*

456 Bretonite

3019-04-3 G

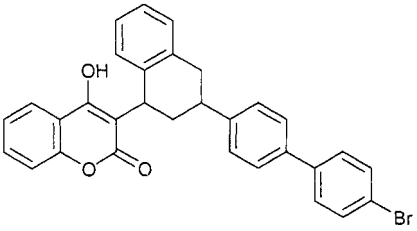
C_3H_5IO

Iodoacetone.

EINECS 221-161-5; Iodoacetone; 1-Iodoacetone; 1-Iodo-2-propanone; 2-Propanone, 1-iodo-.

457 Brodifacoum

56073-10-0 1363 G P



$C_{31}H_{23}BrO_3$

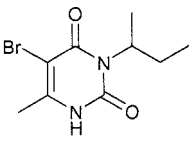
3-(3-(4'-Bromo(1,1'-biphenyl)-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl)-4-hydroxycoumarin.

2H-1-Benzopyran-2-one, 3-(3-(4'-bromo(1,1'-biphen-yl)-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl)-4-hydroxy-; BFC; Brodifacoum; Brodifakum; Bromfenacoum; 3-(3-(4'-Bromobiphenyl-4-yl)-1,2,3,4-tetrahydronaphth-1-yl)-4-hydroxycoumarin; 3-(3-(4'-Bromo-1,1'-biphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoum-arin; 3-(3-(4'-Bromo-(1,1'-biphenyl)-4-yl)-1,2,3,4-tetra-hydro-1-napthalenyl)-4-hydroxycoumarin; 3-(3-(4'-Bromo(1,1'-biphenyl)-4-yl)-1,2,3,4-tetrahydro-1-naph-thalenyl)-4-hydroxy-2H-1-benzopyran-2-one; Caswell No. 114AAA; Coumarin, 3-(3-(4'-bromo-1,1'-biphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxy-; EINECS 259-980-5; EPA Pesticide Chemical Code 112701; HSDB 3916; 4-Hydroxy-3-(3-(4'-bromo-4-bi-phenylyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin; Klerat; PP 581; Ratak; Super warfarin; Talon; Talon rodenticide; Volid; WBA 8119; 3-(3-(4'-Bromobiphenyl-4-yl)-1,2,3,4-tetrahydronaphth-1-yl)-4-hydroxycoumarin; Caswell No. 114AAA; EPA Pesticide Chemical

Code 112701; Havoc; HSDB 3916; Klerat; PP581; Ratak; Ratak Plus; Talon; Talon Rat Bait; Talon rodenticide; Volid; WBA 8119. Rodenticide. Registered by EPA as a rodenticide and insecticide. Off-white powder; mp = 228-230°; insoluble in H_2O (< 0.001 g/100 ml at 20°, pH 7), slightly soluble in EtOH, C_6H_6 (< 0.0006 g/100 ml), soluble in Me_2CO (0.002 g/100 ml), $CHCl_3$ (0.0003 g/100 ml); LD_{50} (mrat orl) = 0.16 mg/kg, 0.27 mg/kg, (frat orl) = 0.18 mg/kg, (mrbt orl) = 0.3 mg/kg, (mmus orl) = 0.4 mg/kg, (fgpg orl) = 2.8 mg/kg, (cat orl) = 25 mg/kg, (dog orl) = 0.25 - 1.0 mg/kg, (rat der 6 hr.) = 200 mg/kg, (ckn orl) = 4.5 mg/kg, (mallard duck orl) = 2 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 0.165 mg/l, (rainbow trout 96 hr.) = 0.051 mg/l. *Bell Laboratories Inc.; Hacco Inc.; Reckitt Benckiser Inc.; Sorex Ltd.; Syngenta Crop Protection.*

458 Bromacil

314-40-9 1365 G H P



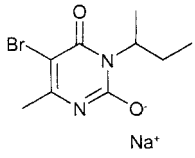
$C_9H_{13}BrN_2O_2$

5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)pyr-imidinedione.

5-24-07-00040 (Beilstein Handbook Reference); Borea; Borocil; BRN 0647896; Bromacil; Bromax; Bromazil; Caswell No. 111; Cynogan; Du Pont herbicide 976; Eerex Granular Weed Killer; Eerex Water Soluble Concentrate Weed Killer; EINECS 206-245-1; EPA Pesticide Chemical Code 012301; Herbicide 976; Hibor; HSDB 1522; Hyvar; Hyvar X; Hyvar X-L; Hyvar-X Weed Killer; Hyvar X-WS; Hyvar-xl Weed Killer; Hyvarex; Istemul; Krovar I; Krovar I Weed Killer; Krovar II; Krovar II Weed Killer; Nalkil; Rout G-8; Uragan; Uragon; Ureabor; Urox B; Urox B water soluble concentrate weed killer; Urox ha; Urox HX; Urox HX granular weed killer; Weed Killer. A versatile herbicide for control of established annual and perennial broadleaf weeds and grasses and brush. Photosynthesis inhibitor, used as a herbicide for total weed and brush control on non-crop land and selective control of annual and perennial weeds and grasses in citrus and pineapple plantations. Registered by EPA as a herbicide. Colorless crystals; mp ▫ 158-159°; d^{25} = 1.55; soluble in H_2O (0.0815 g/100 ml), EtOH (13.4 g/100 ml), Me_2CO (16.7 g/100 ml), CH_3CN (7.1 g/100 ml), xylene (3.2 g/100 ml), 3% aq. NaOH (8.8 g/100 ml); LD_{50} (rat orl)= 5200 mg/kg, (rbt der) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 4.8 mg/l air, (mallard duck, bobwhite quail 8 day dietary) > 10000 mg/kg diet, (rainbow trout 48 hr.) = 75 mg/l, (bluegill sunfish 48 hr.) = 71 mg/l, (carp 48 hr.) = 164 mg/l; non-toxic to bees. *Agan Chemical Manufacturers; DuPont UK; DuPont; Selectokil Ltd (Velpar).*

459 Bromacil, sodium salt

69484-12-4 P



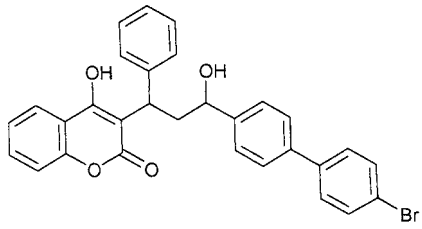
$C_9H_{12}BrN_2NaO_2$

5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione, sodium salt.

5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione sodium salt; 5-Bromo-3-sec-butyl-6-methyluracil, sodium salt; Bromacil, dimethylamine salt; 2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl)-,sodium salt; Sodium bromacil. Registered by EPA as a herbicide (cancelled).

460 Bromadiolone

28772-56-7 1366 G P



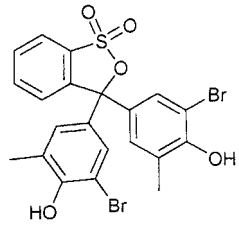
$C_{30}H_{23}BrO_4$

3-[3-(4'-Bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one.

2H-1-Benzopyran-2-one, 3-(3-(4'-Bromo(1,1'-biphenyl)-4-yl)-3-hydroxy-1-phenylpropyl)-4-hydroxy-; Boldo; Boot hill; BRN 1335336; Bromadiolone; Bromatrol; Bromone; 3-(3-(4'-Bromo-(1,1'-biphenyl)-4-yl)-3-hydroxy-1-phenyl-propyl)-4-hydroxycoumarin; 3-(3-(4'-Bromo(1,1'-bi-phenyl)-4-yl)3-hydroxy-1-phenylpropyl)-4-hydroxy-2H-1-benzopyran-2-one; 3-(3-(4'-Bromo(1,1'-biphenyl)-4-yl)-3-hydroxy-1-phenylpropyl)-4-hydroxy-2-benzopyrone; 3-(3-(4'-Bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl)-4-hydroxycoumarin; 3-(α-(p-(p-Bromophenyl)-β-hydroxy-phenethyl)benzyl)-4-hydroxycoumarin; Bromore; Bropro-difacoum; Canadien 2000; Caswell No. 486AB; Contrac; Contrax; Coumarin, 3-(α-(p-(p-bromophenyl)-β-hydroxy-phenethyl)benzyl)-4-hydroxy-; Coumarin, 3-(3-(4'-bromo-1,1'-biphenyl-4-yl)-3-hydroxy-1-phenylpropyl)-4-hydroxy-; EINECS 249-205-9; EPA Pesticide Chemical Code 112001; Eradic; HSDB 6458; (Hydroxy-4 coumarinyl 3)-3 phenyl-3 (bromo-4 biphenylyl-4)-1 propanol-1; 3-(4-Hydroxycoumarin-3-yl)-3-phenyl-1-(4-bromobiphenyl)propan-1-ol; 3-(4-Hydroxy-2-oxo-chrom-en-3-yl)-3-phenyl-1-(4-bromobiphenyl)propan-1-ol; LM-637; Maki; Rafix; Ratimus; Rotox; Sup'operats; Super-caid; Super-Cald; Super-rozol; Temus; Topidion; Bromo-4-biphenylyl)ethyl)benzyl)-4-hydroxycoumarin; LM-637; Super-caid; 3-(3-(4'-Bromo-(1,1'-biphenyl)-4-yl)-3-hydroxy-1-phenylpropyl)-4-hydroxycoumarin; Broma-diolone; Canadien 2000; Contrac; Maki; Ratimus; Tamogam; Boldo. An anticoagulant rodenticide as a concentrated bait. A ready-to-use bait for the control of rats and house mice. Registered by EPA as a rodenticide. Yellow powder; mp ▫ 200-210°; λ_m = 260 nm ($E^{1\%}_{1cm}$ ▫ 538-582 EtOH); soluble in H_2O (0.0019 g/100 ml), soluble in DMF (73 g/100 ml), EtOAc (2.5 g/100 ml), EtOH (0.82 g/100 ml), soluble in Me_2CO, slightly soluble in $CHCl_3$, insoluble in EtO, C_6H_{14}; LD_{50} (rat orl) = 1.125 mg/kg, (mus orl) = 1.75 mg/kg, (rbt orl) = 1.0 mg/kg, (dog orl) > 10 mg/kg, (cat orl) > 25 mg/kg, (quail orl) = 1600 mg/kg, (rbt der) = 2.1 mg/kg; LC_{50} (rainbow trout 96 hr.) = 1.4 mg/l; non-toxic to bees. *Bell Laboratories Inc.; Ciba Geigy Agrochemicals; Lipha Pharm. Inc.; Liphatech Inc.; Rentokil Ltd.*

461 Bromcresol purple

115-40-2 1371 G



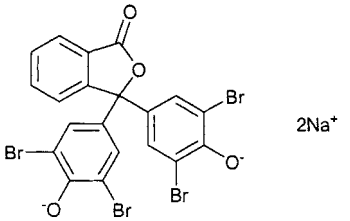
$C_{21}H_{16}Br_2O_5S$

Dibromo-o-cresolsulfonphthalein.

Bromcresol purple; Bromocresol purple; EINECS 204-087-8; NSC 374134; Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2-bromo-6-methyl-, S,S-dioxide; Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis(2-bromo-6-methyl. An acid-base indicator. Crystals; mp = 241.5°; irritant; practically insoluble in H_2O, soluble in EtOH.

462 Bromeikon

860-07-1 9262 G



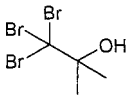
$C_{20}H_8Br_4Na_2O_4$

Sodium tetrabromophenolphthalein.

Brom-tetragnost; Cholegnostyl; Tetrabrom. Radio-opaque medium, used as a diagnostic aid. Solid; soluble in H_2O, insoluble in organic solvents.

463 Brometone

76-08-4 9685 G



$C_4H_7Br_3O$

2-Tribromomethyl-2-propanol.

Acetonbromoform; Acetone-bromoform; AI3-14655; Brometon; Bromobutanol; EINECS 200-931-4; HSDB 5212; NSC 2865; 2-Propanol, 1,1,1-tribromo-2-methyl-; Tribromo-tert-butyl alcohol; 2-Tribromomethyl-2-propanol; 1,1,1-Tribromo-2-methyl-2-propanol; 1,1,1-Tribromo-2-methylpropan-2-ol. Modifier in the polymerization of vinyl chloride. Crystalline solid; mp = 169°; slightly soluble in H_2O, more soluble in organic solvents. *Uniroyal.*

464 Bromine

7726-95-6 1378 G P

Br—Br

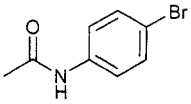
Br_2

Bromine.

Brom; Brome; Bromine; Bromo; Broom; Caswell No. 112; Dibromine; EINECS 231-778-1; EPA Pesticide Chemical Code 008701; HSDB 514; UN1744. Used in the manufacture of ethylene dibromide, organic synthesis; in water disinfection, bleaching fibers, fire retardants, medicinals and dyestuffs. Registered by EPA as an antimicrobial, fungicide and insecticide. In the US, use of bromine is estimated as: fire retardants, 27%; agriculture, 15%; petroleum additives, 15%; well drilling fluids, 10%; sanitary preparations, 5%; and other uses, 28%. Other uses included intermediate chemicals used in the manufacture of other products and bromide solutions used alone or in combination with other chemicals. Brown gas; mp = -7.25°; bp = 59.47°; soluble in H_2O, EtOH, Et_2O; critical temperature = 315°; critical pressure = 102 atm; Ingestion of solution may cause severe gastroenteritis and/or death; burns and blisters the skin. *Bromine & Chems. Ltd; Ethyl Corp.; Great Lakes Fine Chem.; Janssen Chimica; Spectrum Chem. Manufacturing.* [

465 Bromoacetanilide

103-88-8 1383 D G



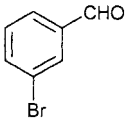
C_8H_8BrNO

N-(4-Bromophenyl)acetamide.

4-12-00-01504 (Beilstein Handbook Reference); AI3-01799; Antisepsin; Asepsin; BRN 2208091; Bromoanilide; Bromoantifebrin; EINECS 203-154-9; NSC 105442; USAF DO-40. Used as an analgesic and antipyretic. Solid; mp = 168°; d^{25} = 1.717; λ_m = 257 nm (ε = 19953, MeOH); insoluble in H_2O; slightly soluble in Et_2O, C_6H_6, soluble in EtOH, $CHCl_3$. *Monsanto Co.*

466 m-Bromobenzaldehyde

3132-99-8 H



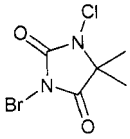
C_7H_5BrO

3-Bromobenzaldehyde.

Benzaldehyde, 3-bromo-; Benzaldehyde, m-bromo-; 3-Bromobenzaldehyde; m-Bromobenzaldehyde; EINECS 221-526-9; NSC 66828. Liquid; bp = 234°; λ_m = 245, 291 nm (ε = 6500, 790, MeOH); insoluble in H_2O, slightly soluble in CCl_4, very soluble in EtOH, Et_2O.

467 Bromochloro dimethyl hydantoin

126-06-7 G



$C_5H_6BrClN_2O_2$

1-Bromo-3-chloro-5,5-dimethyl hydantoin.

BRN 0780014; 3-Bromo-1-chloro-5,5-dimethylimidazol-idine-2,4-dione; 3-Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione; 3-Bromo-1-chloro-5,5-dimethyl-hydantoin; Dantoin® BCDMH; Dantoin® GSD-550; EINECS 204-766-9; Halobrom; HSDB 5608; Hydantoin, 3-bromo-1-chloro-5,5-dimethyl-; 2,4-Imidazolidinedione, 3-bromo-1-chloro-5,5-dimethyl-; Quesbrom; Imidazol-idinedione, 3-bromo-1-chloro-5,5-dimethyl-. Broad spectrum biocide for control of algae, bacterial and fungal slimes in swimming pools and industrial water systems; nonflammable. An extremely effective microbiocial bactericide, fungicide and algicide used in cooling towers, once-thru and closed loop water system. Low temperature industrial bleach. *Dead Sea Bromine; Lonzagroup; Quest Intl.*

468 Bromochlorodifluoromethane

353-59-3 H

$CBrClF_2$

Chlorodifluoromonobromomethane.

4-01-00-00075 (Beilstein Handbook Reference); BCF; BRN 1732514; Bromochlorodifluoromethane; CCRIS 5663; Chlorodifluobromometano; Chlorodifluorobromo-methane; Chlorodifluoromonobromomethane; Daiflon 12B1; Dwufluorochlorobromometan; EINECS 206-537-9; Flugex 12B1; Fluorocarbon 1211; Freon 12B1; Halon 1211; HSDB 6784; Methane, bromochlorodifluoro-; R 12B1; Refrigerant gas R 12B1; UN1974. Gas; mp = -159.5°; bp = -3.7°.

469 Bromochloromethane

74-97-5 H

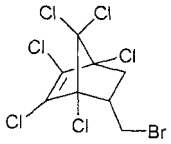
CH_2BrCl

Methane, bromochloro-.

4-01-00-00074 (Beilstein Handbook Reference); AI3-15514; BRN 1730801; Bromochloromethane; CCRIS 817; Chlorobromomethane; Chloromethyl bromide; EINECS 200-826-3; Fluorocarbon 1011; Halon 1011; HSDB 2520; Methane, bromochloro-; Methylene chlorobromide; Mil-B-4394-B; Mono-chloro-mono-bromo-methane; NSC 7294; UN1887. Has been used in refrigeration and fire retardents. Has been identified as an ozone-threatening chemicals and subjected to restrictions. Liquid; mp = -87.9°; bp = 68.0°; d^{20} = 1.9344; poorly soluble in H_2O, soluble in organic solvents.

470 Bromociclen

1715-40-8 G P V



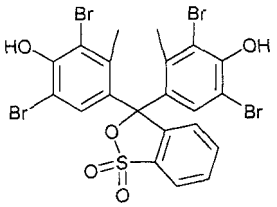
$C_8H_5BrCl_6$

5-bromomethyl-1,2,3,4,7,7-hexachloro-2-norbornene.

AI3-23393; Alugan; Bicyclo(2.2.1)hept-2-ene, 5-(bromomethyl)-1,2,3,4,7,7-hexachloro-; Bromociclen; Bromociclene; Bromocicleno; Bromociclenum; Bro-mocyclen; Bromocyclene; Bromodan; Bromomethyl-hexachlorobicycloheptene; 5-(Bromomethyl)-1,2,3,4,7,7-hexachloro-2-norbornene; 5-(Bromomethyl)-1,2,3, 4,7,7-hexachlorobicyclo(2.2.1)hept-2-ene; Caswell No. 116; EINECS 216-996-7; EPA Pesticide Chemical Code 008705; 2-Norbornene, 5-(bromomethyl)-1,2,3,4,7,7-hexachloro-. A veterinary pesticide. Also used as a brominating agent. *Fisons plc, Horticultural Div.*

471 Bromocresol green

76-60-8 1370 G



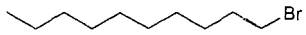
$C_{21}H_{14}Br_4O_5S$

m-Cresol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-di-bromo-, S,S-dioxide.

5-19-03-00460 (Beilstein Handbook Reference); BCG; BRN 0372527; Bromcresol green; EINECS 200-972-8; NSC 7817; Phenol, 4,4'-(1,1-dioxido-3H-2,1-benz-oxathiol-3-ylidene)bis(2,6-dibromo-3-methyl-; Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-3-methyl-, S,S-dioxide; o-Toluenesulfonic acid, α-hydroxy-, gamma-sultone; Tetrabromo-m-cresolphthalein sulfone. An acid indicator pH 3.8 (yellow)-5.4 (blue-green). Red-yellow crystals; mp = 218.5°; λ_m = 211, 278, 338, 426 nm (ε 54100, 8500, 7550, 17100 MeOH), 312, 394, 620 nm (ε 13300, 8520, 40100 MeOH/KOH); insoluble in H_2O, soluble in organic solvents. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

472 1-Bromodecane

112-29-8 G



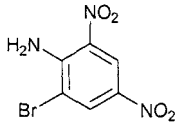
$C_{10}H_{21}Br$

n-Decyl bromide.

AI3-28586; 1-Bromodecane; Decane, 1-bromo-; Decyl bromide; 1-Decyl bromide; n-Decyl bromide; EINECS 203-955-3; NSC 8780. Chemical intermediate and solvent. Liquid; mp = -29.2°; bp = 240.6°; d^{20} = 1.0702; insoluble in H_2O, soluble in CCl_4, very soluble in EtOH, $CHCl_3$. *Ethicon Inc.; Great Lakes Fine Chem.; Humphrey.*

473 6-Bromo-2,4-dinitroaniline

1817-73-8 H



$C_6H_4BrN_3O_4$

2-Bromo-4,6-dinitroaniline.

4-12-00-01734 (Beilstein Handbook Reference); Aniline, 2-bromo-4,6-dinitro-; Benzenamide, 2-bromo-4,6-dinitro-; BRN 0916722; 6-Bromo-2,4-dinitroaniline; Bromo DNA; CCRIS 820; EINECS 217-329-2; HSDB 5453; NCI-C60844; NSC 16572. Yellow needles; mp = 153.5°; bp sublimes; λ_m = 229, 268, 336 nm (ε = 10100, 8700, 12000, MeOH); soluble in AcOH, very soluble in EtOH, Me_2CO.

474 Bromoethane

74-96-4 3807 H

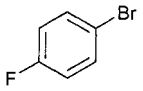
C_2H_5Br

Ethane, bromo-.

AI3-04462; Bromic ether; Bromoethane; Bromure d'ethyle; CCRIS 2504; EINECS 200-825-8; Ethane, bromo-; Ethyl bromide; Etylu

bromek; Halon 2001; HSDB 532; Hydrobromic ether; Monobromoethane; NCI-554813; NCI-C55481; NSC 8824; UN1891.

475 **p-Bromofluorobenzene**
460-00-4 H



C_6H_4BrF
1-Fluoro-4-bromobenzene.
1-Bromo-4-fluorobenzene; 4-Bromofluorobenzene; 1-Fluoro-4-bromobenzene; 4-Fluoro-1-bromobenzene; 4-Fluorobromobenzene; 4-Fluorophenyl bromide; Benzene, 1-bromo-4-fluoro-; EINECS 207-300-2; NSC 10268; p-Bromofluorobenzene; p-Fluorobromobenzene; p-Fluorophenyl bromide. Liquid; mp = -17.4°; bp = 151.5°; d^{15} = 1.593; λ_m = 221, 265, 271, 278 nm (ε = 7079, 794, 1047, 891, cyclohexane); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$.

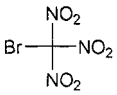
476 **Bromofluoroform**
75-63-8 H

$CBrF_3$
Bromotrifluoromethane.
Bromofluoroform; Bromotrifluoromethane; Carbon monobromide trifluoride; Daiflon 13B1; EINECS 200-887-6; F 13B1; FC 13B1; FE 1301; Flugex 13B1; Fluorocarbon 1301; Freon 13B1; Halocarbon 13B1; Halon 1301; HSDB 141; Khladon 13B1; Methane, bromotrifluoro-; Monobromotrifluoromethane; R 13B1; Refrigerant 13B1; Trifluorobromomethane; Trifluoro-methyl bromide; Trifluoromonobromomethane; UN1009. Used as an Aerosol®® propellant. Presumed to be a threat to the ozone later. Gas; bp = -58°; mp = -168°; d = 1.5; LC_{50} (rat ihl) = 84000 ppm, (mus ihl) = 381 g/m^3, (gpg ihl) = 88000 ppm.

477 **Bromoform**
75-25-2 1404 G

$CHBr_3$
Tribromomethane.
4-01-00-00082 (Beilstein Handbook Reference); AI3-28587; BRN 1731048; Bromoform; Bromoforme; Bromoformio; CCRIS 98; EINECS 200-854-6; HSDB 2517; Methane, tribromo-; Methenyl tribromide; Methyl tribromide; NCI-C55130; NSC 8019; RCRA waste number U225; Tribrommethaan; Tribrommethan; Tribromometan; Tribromomethane; UN2515. Used for gem and mineral testing and for generation of dibromocarbene. Used medically as sedative, hypnotic and antitussive. Liquid; mp = 8°; bp = 149.1°; d^{15} = 2.899; poorly soluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 933 mg/kg. *Geoliquids Inc.*

478 **Bromonitroform**
560-95-2 G

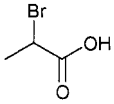


$CBrN_3O_6$
Bromotrinitromethane.
3-01-00-00116 (Beilstein Handbook Reference); BRN 1787170; Bromotrinitromethane; Methane, bromotrinitro-

479 **Bromopicrin**
464-10-8 G

CBr_3NO_2
Tribromonitromethane.
4-01-00-00106 (Beilstein Handbook Reference); BRN 1756139; Bromopicrin; CCRIS 5977; EINECS 207-348-4; Methane, nitrotribromo-; Methane, tribromonitro-; Nitrobromoform; Nitrotribromomethane; Tribromo-nitromethane. A military poison, used in organic synthesis. Liquid; mp = 10°; bp^{18} = 127°; d^{12} = 2.811; λ_m = 240, 260, 300 nm (ε = 1906, 1000, 79, petroleum ether); insoluble in H_2O, soluble in EtOH, Et_2O, very soluble in Me_2CO, C_6H_6, AcOH; LD_{50} (mus ipr) = 15 mg/kg.

480 **α-Bromopropionic acid**
598-72-1 H

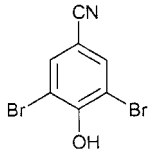


$C_3H_5BrO_2$
2-Bromopropionic acid.
AI3-52314; α-Bromopropionic acid; 2-Bromopropanoic acid; 2-Bromopropionic acid; EINECS 209-947-6; NSC 172; Propanoic acid, 2-bromo-; Propionic acid, 2-bromo

481 **Bromotrimethylsilane**
2857-97-8 G

C_3H_9BrSi
Trimethylbromosilane.
CT2928; EINECS 220-672-0; NSC 139857; Silane, bromotrimethyl-; Trimethylbromosilane; Trimethylsilicon bromide; Trimethylsilyl bromide. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -43°; bp = 79°; d = 1.1600. *Degussa-Hüls Corp.*

482 **Bromoxynil**
1689-84-5 1465 G H P



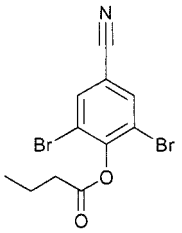
$C_7H_3Br_2NO$

3,5-dibromo-4-hydroxybenzonitrile.

4-10-00-00475 (Beilstein Handbook Reference); Brittox; BRN 2364039; Brominal; Brominal Plus; Brominal Triple; Brominex; Brominil; Bromotril; Bromoxynil; Broxynil; Buctril; Buctril industrial; Butil chlorofos; Caswell No. 119; CCRIS 2447; Certrol B; Chipco buctril; Chipco crab-kleen; EINECS 216-882-7; ENT 20852; EPA Pesticide Chemical Code 035301; HSDB 1523; Labuctril; Labuctril 25; Litarol M; M&B 10731; MB 10064; ME 4 Brominal; Novacorn; NU-Lawn weeder; Oxytril M; Pardner; S 2132; Sabre; Terset; Toplan. A selective contact herbicide used for post-emergence control of some annual broad-leaved weeds in cereal crops. Registered by EPA as a herbicide. Colorless crystals; mp = 194 - 195°; sublimes at 135°/0.15 mm; soluble in H_2O (0.013 g/100 ml), MeOH (9 g/100 ml), EtOH (7 g/100 ml), Me_2CO (17 g/100 ml),cyclohexanone (17 g/100 ml), THF (41 g/100 ml), DMF (61 g/100 ml), mineral oil (< 2 g/100 ml); LD_{50} (rat orl) = 190 mg/kg, (mus orl) = 110 mg/kg, (rbt orl) = 260 mg/kg, (dog orl) = 100 mg/kg, (pheasant orl) = 50 mg/kg, (hen orl) = 240 mg/kg, (quail orl) = 100 - 125 mg/kg, (mallard duck orl) = 200 mg/kg; LC_{50} (harlequin fish 48 hr.) = 5.0 mg/l, (potassium salt); non-toxic to bees. *Agriliance LLC; Aventis Crop Science; Dow Europe; May & Baker Ltd.; Micro-Flo Co. LLC.*

483 Bromoxynil butyrate

3861-41-4 H P



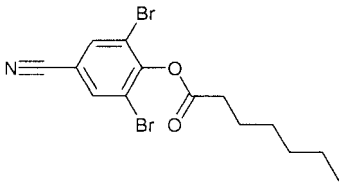
$C_{11}H_9Br_2NO_2$

3,5-Dibromo-4-hydroxybenzonitrile butyrate.

BRN 2742676; Bromoxynil butyrate; Butanoic acid, 2,6-dibromo-4-cyanophenyl ester; Butyric acid, ester with 3,5-dibromo-4-hydroxybenzonitrile; Caswell No. 119E; 2,6-Dibromo-4-cyanophenyl butyrate; EPA Pesticide Chemical Code 035303. Selective contact herbicide with some systemic activity. Used for post-emergence control of broad-leaved weeds. Registered by EPA as a herbicide (cancelled). *Aventis Crop Science.*

484 Bromoxynil heptanoate

56634-95-8 H P



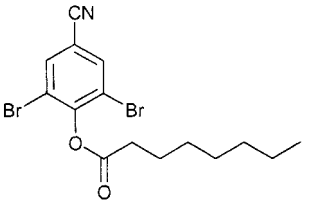
$C_{14}H_{15}Br_2NO_2$

2,6-Dibromo-4-cyanophenyl heptanoate.

Bromoxynil heptanoate; 3,5-Dibromo-4-hydroxybenzo-nitrile heptanoate; Heptanoic acid, 2,6-dibromo-4-cyanophenyl ester. Registered by EPA as a herbicide. *Agsco Inc.; Aventis Crop Science.*

485 Bromoxynil octanoate

1689-99-2 H



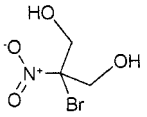
$C_{15}H_{17}Br_2NO_2$

Octanoic acid 2,6-dibromo-4-cyanophenyl ester.

BRN 2756636; Brominal W; Bromoxynil octanoate; Buctril; Caswell No. 119A; EINECS 216-885-3; EPA Pesticide Chemical Code 035302; M&B 10731; NPH 1320; RP-16272. Registered by EPA as a herbicide. Colorless crystals; mp = 45 - 46°; insoluble in H_2O, soluble in xylene (70 g/100 ml), EtOH (10 g/100 ml), n-PrOH (12 g/100 ml), Me_2CO (10 g/100 ml), cyclohexanone (55 g/100 ml), EtOAc (62 g/100 ml), DMF (70 g/100 ml), $CHCl_3$ (80 g/100 ml), CCl_4 (50 g/100 ml); LD_{50} (rat orl) = 365 mg/kg, (mus orl) = 306 mg/kg, (rbt orl) = 325 mg/kg, (rat der) > 2000 mg/kg, (rbt der) = 1675 mg/kg, (pheasant orl) = 175 mg/kg; LC_{50} (rainbow trout 96 hr.) = 0.15 mg/l; non-toxic to bees. *Agsco Inc.; Albaugh Inc.; Aventis Crop Science; Micro-Flo Co. LLC; Nufarm Americas Inc.*

486 Bronopol

52-51-7 1432 G



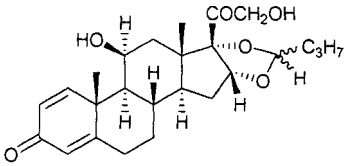
$C_3H_6BrNO_4$

2-Bromo-2-nitropropane-1,3-diol.

4-01-00-02501 (Beilstein Handbook Reference); AI3-61639; Bioban® BNPD-40; BRN 1705868; β-Bromo-β-nitrotrimethyleneglycol; 2-Bromo-2-nitropropane-1,3-diol; Bronidiol; Bronocot; Bronopol; Bronopolu; Bronopolum; Bronosol; Bronotak; Caswell No. 116A; EINECS 200-143-0; EPA Pesticide Chemical Code 216400; Lexgard bronopol; NSC 141021; Onyxide 500; 1,3-Propanediol, 2-bromo-2-nitro-; UN3241. Broad spectrum antimicrobial agent; preservative for topical cosmetics, pharmaceuticals, toiletries. Used as a preservative for metalworking fluids. mp = 120-122°; soluble in H_2O, EtOH, EtOAc; slightly soluble in chloroform, acetone, ether, benzene; LD_{50} (rat orl) = 350 mg/kg. *Inolex; Knoll AG; Whittaker Clark & Daniels.*

487 Budesonide

51333-22-3 1454 D



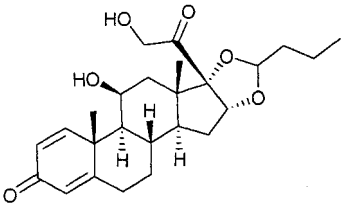
$C_{25}H_{34}O_6$

(R,S)-11β,16α,17,21-Tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with butyraldehyde.

Bidien; Budeson; Budesonide; Budesonido; Budes-onidum; CCRIS 5230; Cortivent; EINECS 257-139-7; Entocort; Entocort EC; Micronyl; Preferid; Pulmicort; Respules; Rhinocort; Rhinocort α; S 1320; Spirocort. Anti-inflammatory; antiasthmatic. Non-halogenated gluco-corticoid related to triamcinolone hexacetonide with a high ratio of topical to systemic activity. A mixture of two isomers in which the S-isomer varies between 40-51%. Crystals; mp = 221-232° (dec); $[\alpha]_D^{25}$ = 98.9 (c = 0.28 CH_2Cl_2). *Astra Chem. Ltd.; Bofors.*

488 R-Budesonide

51372-29-3 D



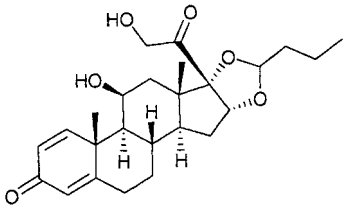
$C_{25}H_{34}O_6$

11β,16α(R),17,21-Tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with butyraldehyde.

Budesonide; EINECS 257-161-7. Anti-inflammatory.

489 S-Budesonide

51372-28-2 D



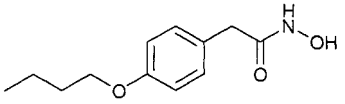
$C_{25}H_{34}O_6$

11β,16α(S),17,21-Tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with butyraldehyde.

EINECS 257-160-1. Anti-inflammatory.

490 Bufexamac

2438-72-4 1461 D G



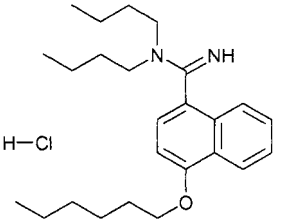
$C_{12}H_{17}NO_3$

2-(p-Butoxyphenyl)acetohydroxamic acid.

BRN 2646848; Bufessamac; Bufexamac; Bufexamaco; Bufexamacum; Bufexamic acid; CP-1044; CP-1044-J3; Droxarol; Droxaryl; EINECS 219-451-1; Feximac; Flogicid; Flogocid N plastigel; J3; Malipuran; Mofenar; Norfemac; Parfenac; Parfenal. Anti-inflammatory; analgesic; antipyretic. Used as a skin cream. Crystals; mp ■ 153-155°; nearly insoluble in H_2O; LD_{50} (rat orl) >4 g/kg, (mus orl) > 8 g/mg. *C.M. Ind.; Pfizer Inc.*

491 Bunamidine hydrochloride

1055-55-6 1473 G



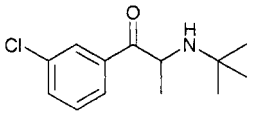
$C_{25}H_{39}ClN_2O$

N,N-Dibutyl-4-(hexyloxy)-1-naphthalenecarboximidamide hydrochloride.

Buban; Bunamidine hydrochloride; Bunamidine, monohydrochloride; N,N-Dibutyl-4-hexyloxy-1-naph-thamidine hydrochloride; N,N-Dibutyl-4-(hexyloxy)-naphthalene-1-carboximidamide hydrochloride; EINECS 213-890-2; 1-Naphthalenecarboximidamide, N,N-dibutyl-4-(hexyloxy)-, hydrochloride; 1-Naph-thamidine, N,N-dibutyl-4-hexyloxy-, monohydro-chloride; NSC-106571; Scolaban. Anthelmintic effec-tive against Cestodes. Crystals; mp ■ 214-215°; LD_{50} (rat orl) = 591 mg/kg. *Burroughs Wellcome Inc.; Wellcome Foundation Ltd.*

492 Bupropion

34911-55-2 1487 D



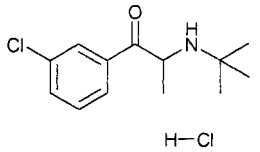
$C_{13}H_{18}ClNO$

(±)-2-(tert-Butylamino)-3'-chloropropiophenone.

Amfebutamona; Amfebutamone; Amfebutamonum; BRN 2101062; Bupropion; (±)-Bupropion. Anti-depressant with action similar to that of the tricyclic antidepressants. Pale yellow oil; bp = 52°; soluble in MeOH, EtOH, Me_2CO, Et_2O, C_6H_6. *Burroughs Wellcome Inc.*

493 Bupropion hydrochloride

31677-93-7 1487 D



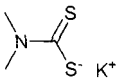
$C_{13}H_{18}ClNO.HCl$

(±)-2-(tert-Butylamino)-3'-chloropropiophenone hydrochloride.

Amfebutamon hydrochlorid; Bupropion hydrochloride; BW 323; EINECS 250-759-9; HSDB *6988*; NSC 315851; Wellbutrin; Wellbutrin SR; Wellbutrin XL; Zyban; Zyban (pharmaceutical),. Antidepressant. Also used in smoking cessation therapy. Crystals; mp = 233-234°; solubility (in H_2O) = 32 mg/ml, (in alcohol) = 193 mg/ml, (in 0.1 N HCl) = 333 mg/ml; LD_{50} (mus ip) = 230 mg/kg, (rat

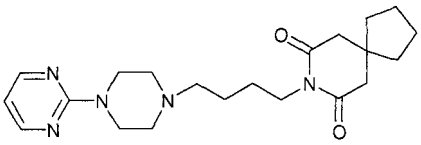
ip) = 210 mg/kg, (mus orl) = 575 mg/kg, (rat orl) = 600 mg/kg. *Burroughs Wellcome Inc.*

494 **Busan 85**
128-03-0 G



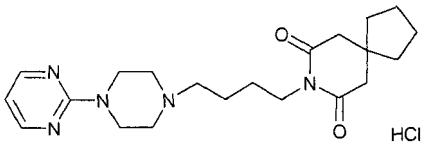
$C_3H_6KNS_2$
Potassium dimethyl dithiocarbamate.
Aquatreat KM; Carbamic acid, dimethyldithio-, potassium salt, hydrate; Carbamodithioic acid, dimethyl-, potassium salt; Caswell No. 691; EINECS 204-875-1; EPA Pesticide Chemical Code 034803; Potassium dimethyl dithiocarbamate; Potassium dimethyldithiocarbamate; Potassium dimethylthio-carbamate. Polymerization short stops in the copolymerization of styrene and butadiene. *Alco Chem. Corp.*

495 **Buspirone**
36505-84-7 1492 D



$C_{21}H_{31}N_5O_2$
N-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-1,1-cyclopentanediacetamide hydrochloride.
5-25-10-00059 (Beilstein Handbook Reference); Ansial; BRN 0964904; Buspirona; Buspirone; Buspironum; EINECS 253-072-2. Serotonin receptor agonist. A non benzodiazepine anxiolytic, used as a minor tranquillizer. *Mead Johnson Pharmaceuticals.*

496 **Buspirone hydrochloride**
33386-08-2 1492 D

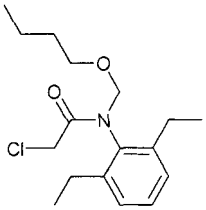


$C_{21}H_{32}ClN_5O_2$
N-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-1,1-cyclopentanediacetamide hydrochloride.
Ansial; Ansiced; Ansitec; Anxinil; Anxiolan; Apo-Buspirone; Axoren; Barpil; Bespar; Biron; Busirone; Buspar; Buspimem; Buspimen; Buspinol; Buspirone hydrochloride; Buspisal; Censpar; Effiplen; EINECS 251-489-4; Establix; Itagil; Kallmiren; Lucelan; Mabuson; MJ 9022-1; N-(4-(4-(2-Pyrimidinyl)-1-piperazinyl)butyl)-1,1-cyclopentanediacetamide monohydrochloride; Narol; Nerbet; Normaton; Relac; Sburol; Spamilan; Travin; Tutran; Uspirone hydrochloride. An azapirone. Serotonin receptor agonist. Non-benzodiazepine anxiolytic, used as a minor tranquillizer. mp = 201.5-202.5°; LD_{50} (rat ipr) = 136 mg/kg. *Mead Johnson Pharmaceuticals.*

497 **Buta-1,2-diene**
590-19-2 H

C_4H_6
1-Methylallene.
Allene, methyl-; 1,2-Butadiene; EINECS 209-674-2; HSDB 5705; Methylallene; 1-Methylallene. Gas; mp = -136.2°; bp = 10.9°; d^0 = 0.676; λ_m = 178, 186 nm (ε = 19953, 3982, gas); insoluble in H_2O, very soluble in C_6H_6,freely soluble in EtOH, Et_2O.

498 **Butachlor**
23184-66-9 1497 G H P



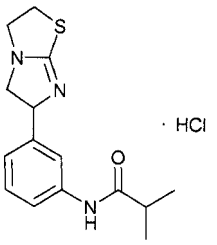
$C_{17}H_{26}ClNO_2$
N-(Butoxymethyl)-2-chloro-N-(2,6-diethylphenyl)acetamide.
Acetamide, N-(butoxymethyl)-2-chloro-N-(2,6-diethyl-phenyl)-; Acetanilide, 2-chloro-2',6'-diethyl-N-(butoxy-methyl)-; Acetanilide, N-(butoxymethyl)-2-chloro-2',6'-diethyl-; Amichlor; Bilchlor; BRN 2873811; Butachlor; Butaclor; Butanex; Caswell No. 119B; 2-Chloro-2',6'-diethyl-N-(butoxymethyl)acetanilide; CP 53619; Dei-chlor; Delchlor 5G; 2',6'-Diethyl-N-butoxymethyl-2-chloroacetanilide; 2',6'-Diethyl-N-butoxymethyl-α-chloro-acetanilide; EINECS 245-477-8; EPA Pesticide Chemical Code 112301; Hiltachlor; HSDB 6865; Mach-Mach; Machete; Machete (herbicide); Machette; N-(Butoxymethyl)-2-chloro-N-(2,6-diethylphenyl)acetamide; N-(Butoxymethyl)-2-chloro-2',6'-diethylacetanilide; N-Butoxymethyl-α-chloro-2',6'-diethylacetanilide; NSC 221683; Pillarsete; Rasayanchlor; SHA 112301; Weedout; N-(Butoxymethyl)-2-chloro-2',6'-diethyl-acetanilide; N-(Butoxymethyl)-2-chloro-N-(2,6-diethyl-phenyl)acetamide; Caswell No. 119B; 2-Chloro-2',6'-diethyl-N-(butoxymethyl)acetanilide; CP 53619; Del-chlor; Delchlor 5G; 2',6'-Diethyl-N-butoxymethyl-2-chloroacetanilide; EPA Pesticide Chemical Code 112301; Hiltachlor; HSDB 6865; Mach-Mach; Machete; Machette; NSC 221683; Pillarsete; Rasayanchlor; SHA 112301; Weedout. Provides selective pre-emergence and early post-emergence weed control in transplanted, direct seeded and upland rice. Herbicide. Amber liquid; mp < -5°; $bp_{0.5}$ = 156°; sg^{25} = 1.070; soluble in H_2O (0.002 g/100 ml), Et_2O, Me_2CO, C_6H_6, EtOH, EtOAc, C_6H_{14}; LD_{50} (rat orl) = 2000 mg/kg, (rbt der) > 13000 mg/kg, (mallard duck, bobwhite quail orl) > 10000 mg/kg; LC_{50} (bobwhite quail 8 day dietary) = 6597 mg/kg diet, (mallard duck 8 day dietary) > 10000 mg/kg diet, (rainbow trout 96 hr.) = 0.52 mg/l, (bluegill sunfish 96 hr.) = 0.44 mg/l, (carp 96 hr.) = 0.32 mg/l. *Agan Chemical Manufacturers; Comlets; Crystal; Hindustan Insecticides; Krishi Rasayan; Makhteshim-Agan; Monsanto Co.; Shen Hong; Shinung; Sintesul; Sundat.*

499 **Butadiene**
106-99-0 1498 H

C_4H_6
1,3-Butadiene.
Biethylene; Bivinyl; Butadieen; Buta-1,3-dieen; Butadien; Buta-1,3-dien; Butadiene; Buta-1,3-diene; 1,3-Butadiene; α,σ-Butadiene; Butadiene monomer; CCRIS 99; Divinyl; EINECS 203-450-8; Erythrene; HSDB 181; NCI-C50602; UN 1010\r\n; Vinylethylene. Monomer for BUNA rubbers. Gas; mp = -108.9°; bp = -4.4°; λ_m =

217 nm (ε = 20893, EtOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, very soluble in Me_2CO.

500 **Butamisole hydrochloride**
54400-62-3 1504 G V

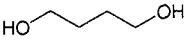


$C_{15}H_{19}N_3OS.HCl$
2-methyl-N-[3-(2,3,5,6-tetrahydroimidazo[2,1-b]thiazol-6-yl)phenyl]propanamide hydrochloride.
CL-206214; Styquin. Anthelmintic. *Am. Cyanamid.*

501 **Butane**
106-97-8 1505 G H

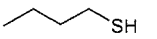
C_4H_{10}
n-Butane.
A 17; A 21; Bu-Gas; Butane; n-Butane; Butanen; Butani; Butyl hydride; CCRIS 2279; Diethyl; EINECS 203-448-7; HC 600; HC 600 (hydrocarbon); HSDB 944; Liquefied petroleum gas; LPG; Methylethylmethane; R 600; UN1011. Used as producer gas and propellant; raw material for motor fuels, in the manufactur of synthetic rubbers. May be narcotic in high concentrations. A simple asphyxiant. Gas; mp = -138.2°; bp = -0.5°; d = 2.046 (air=1); soluble in H_2O, very soluble in EtOH, Et_2O, $CHCl_3$. *Air Prods & Chems; Electrochem. Ltd.; Monsanto Co.; Phillips 66.*

502 **Butanediol**
110-63-4 G H



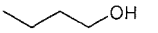
$C_4H_{10}O_2$
1,4-Dihydroxybutane.
4-01-00-02515 (Beilstein Handbook Reference); Agrisynth B1D; AI3-07553; 1,4-BD; BRN 1633445; Butanediol; 1,4-Butanediol; Butane-1,4-diol; 1,4-Butylene glycol; CCRIS 5984; Dabco® BDO; 1,4-Dihydroxybutane; Diol 14B; EINECS 203-786-5; HSDB 1112; NSC 406696; Sucol B; Tetramethylene 1,4-diol; Tetramethylene glycol; 1,4-Tetramethylene glycol. Curative, chain extender; provides reactive H-source in prepolymer production; used to provide hard segments in PU. Used as an intermediate and in polyurethane formulation in the hard segment as a curative. Crystals; mp = 20.1°; bp = 235°; d^{20} = 1.0171; λ_m = 291 nm (ε = 200, H_2SO_4); freely soluble in H_2O, soluble in EtOH, slightly soluble in DMSO, Et_2O; LD_{50} (rat orl) = 1525 mg/kg. *Air Products & Chemicals Inc.; Arco; BASF Corp.; Degussa-Hüls Corp.; DuPont; Intl. Specialty Products Inc. (ISP).*

503 **Butanethiol**
109-79-5 1576 P



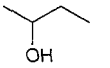
$C_4H_{10}S$
n-Butyl mercaptan.
4-01-00-01555 (Beilstein Handbook Reference); AI3-22954; Bear skunk; BRN 1730908; Butanethiol; 1-Butanethiol; n-Butanethiol; Butyl mercaptan; 1-Butyl mercaptan; n-Butyl mercaptan; Butylthiol; Caswell No. 119D; EINECS 203-705-3; EPA Pesticide Chemical Code 125001; FEMA No. 3478; HSDB 290; 1-Mercaptobutane; NCI-C60866; Normal butyl thioalcohol; Thiobutyl alcohol. Registered by EPA as an animal repellent and insecticide. Used as an animal repellent. Mobile, foul-smelling liquid; mp = -115.7°; bp = 98.5°; d^{20} = 0.8416; λ_m = 277 nm (ε = 158, isooctane); slightly soluble in H_2O, $CHCl_3$, very soluble in EtOH, Et_2O. *Sigma-Aldrich Fine Chem.*

504 **n-Butanol**
71-36-3 1539 G H



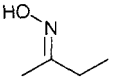
$C_4H_{10}O$
1-Butanol.
AI3-00405; Alcool butylique; Butanol; Butanol, 1-; Butanolen; Butanolo; Butyl alcohol; Butyl hydroxide; Butylowy alkohol; Butyric alcohol; CCRIS 4321; CCS 203; EINECS 200-751-6; FEMA Number 2178; Hemostyp; HSDB 48; Methylolpropane; Normal primary butyl alcohol; NSC 62782; Propyl carbinol; Propylmethanol; RCRA waste number U031; Tebol 88; Tebol 89. Solvent, cosolvent, compatibilizer, coupling agent, processing aid for pharmaceuticals, personal care products, aqueous coatings and adhesives, agricultural formulations, polymer processing, cleaners/disinfectants; chlorinated hydrocarbon stabilizer. Clear liquid; mp = -89.8°; bp = 117.7°; d_4^{20} = 0.8098; soluble in H_2O (9.9 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 4.36 g/kg. *Arco*

505 **sec-Butanol**
78-92-2 1540 H



$C_4H_{10}O$
Butan-2-ol.
2-01-00-00400 (Beilstein Handbook Reference); AI3-24189; Alcool butylique secondaire; BRN 0773649; Butan-2-ol; Butanol secondaire; Butyl alcohol, sec-; Butylene hydrate; Caswell No. 119C; CCS 301; EINECS 201-158-5; EINECS 240-029-8; EPA Pesticide Chemical Code 001502; Ethyl methyl carbinol; HSDB 674; Methyl ethyl carbinol; NSC 25499; s-Butanol; s-Butyl alcohol; sec-Butanol; sec-Butyl alcohol. Used in manufacture of flavors, perfumes, dyestuffs and wetting agents. A general purpose solvent, used with natural oils. Liquid; mp = -114.7°; bp = 99.5°; d^{20} = 0.8063; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 6480 mg/kg. *Ashland; BASF Corp.; Callery Chem. Co. UK; Mitsui Toatsu.*

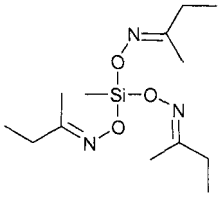
506 **2-Butanone oxime**
96-29-7 G H



C_4H_9NO
2-Butanone, oxime.
4-01-00-03250 (Beilstein Handbook Reference); BRN 1698241; Butanone oxime; CCRIS 1382; EINECS 202-496-6; Ethyl methyl

ketone oxime; Ethyl methyl ketoxime; Ethyl-methylketonoxim; MEK-oxime; Methyl ethyl ketone oxime; Methyl ethyl ketoxime; Methyl ethyl ketoxime; NSC 442; Skino 2; Troykyd anti-skin B; USAF AM-3; USAF EK-906. Antiskinning agent for paint industry. Yellow oil; mp = -29.5°; bp = 152.5°; d^{20} = 0.9232; soluble in H_2O, very soluble in C_6H_6, EtOH, Et_2O; LD_{50} (mus ip) = 200 mg/kg. *Akzo Chemie; Allied Signal; La Littorale.*

507 **2-Butanone, O,O',O''-(methylsilylidyne)-trioxime**
22984-54-9 H



$C_{13}H_{27}N_3O_3Si$
2-Butanone, O,O',O''-(methylsilylidyne)trioxime.
2-Butanone, O,O',O''-(methylsilylidyne)trioxime; EINECS 245-366-4.

508 **1-Butene**
106-98-9 1512 H

C_4H_8
But-1-ene.
α-Butene; 1-Butene; α-Butylene; 1-Butylene; But-1-ene; Butene, 1-; EINECS 203-449-2; Ethylethylene; HSDB 179. Gas; mp = -185.3°; bp = -6.2°; λ_m = 162, 175, 187 nm (ε = 10000, 15849, 12589, gas); insoluble in H_2O, soluble in C_6H_6, very soluble in EtOH, Et_2O.

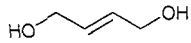
509 **2-Butene**
107-01-7 1513 H

C_4H_8
But-2-ene.
3-01-00-00732 (Beilstein Handbook Reference); BRN 1718755; Butene-2; Butene, 2-; 2-Butene; β-Butylene; Butylene-2; Dimethylethylene; EINECS 203-452-9; HSDB 180; Pseudobutylene.

510 **cis-But-2-ene**
590-18-1 H

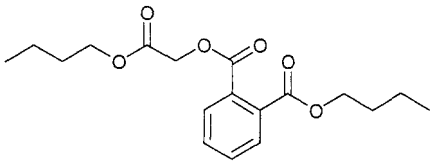
C_4H_8
1,2-Dimethylethylene (Z).
2-Butene, (2Z)-; (Z)-But-2-ene; 2-Butene-cis; cis-2-Butene; cis-Butene; β-cis-Butylene; cis-1,2-Dimethylethylene; EINECS 209-673-7; High-boiling butene-2; HSDB 5704. Gas; mp = -138.9; bp = 3.7°; d^{25} = 0.616; λ_m = 160, 175, 196, 200 nm (ε = 12589, 19953, 1000, 501, gas); insoluble in H_2O, soluble in C_6H_6, very soluble in EtOH, Et_2O.

511 **Butenediol**
110-64-5 H



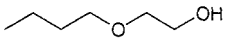
$C_4H_8O_2$
2-Butene-1,4-diol.
Agrisynth B2D; AI3-07551; Butenediol; 1,4-Butenediol; 2-Buten-1,4-diol; 2-Butene-1,4-diol; 2-Butene, 1,4-dihydroxy-; Caswell No. 120; 1,4-Dihydroxy-2-butene; EINECS 203-787-0; EPA Pesticide Chemical Code 220100; HSDB 5540; NSC 1260; Penitricin C.

512 **Butoxycarbonylmethyl butyl phthalate**
85-70-1 G



$C_{18}H_{24}O_6$
Butyl phthalyl butyl glycolate.
4-09-00-03256 (Beilstein Handbook Reference); AI3-01793; AI3-01793 (USDA); 1,2-Benzenedicarboxylic acid, 2-butoxy-2-oxoethyl butyl ester; BRN 2007363; Butyl carbobutoxymethyl phthalate; Butyl glycolyl butyl phthalate; Butyl phthalyl butyl glycolate; Butylcarbobutoxymethyl phthalate; Caswell No. 131B; Dibutyl O-(o-carboxybenzoyl) glycolate; EINECS 201-624-8; Glycolic acid, butyl ester, butyl phthalate; Glycolic acid, phthalate, dibutyl ester; HSDB 284; Phthalic acid, butoxycarbonylmethyl butyl ester; Phthalic acid, butyl ester, butyl glycolate; Reomol 4pg; Santicizer B-16. Used as a plasticizer in food-packaging material, PVC tubing and dental cushions. Oil; bp^{10} = 220°; almost insoluble in H_2O. *CIBA plc; Morflex.*

513 **Butoxyethanol**
111-76-2 1558 G P

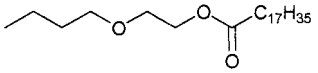


$C_6H_{14}O_2$
O-Butyl ethylene glycol.
4-01-00-02380 (Beilstein Handbook Reference); AI3-0993; AI3-09903; BRN 1732511; BUCS; Butoksyetylowy alkohol; 2-Butossi-etanolo; 2-Butoxy-äthanol; 2-Butoxy-aethanol; Butoxyethanol; β-Butoxyethanol; 2-n-Butoxy-1-ethanol; 2-Butoxy-1-ethanol; 2-Butyl cellosolve®; Butyl cellu-sol; Butyl glycol; Butyl oxitol; Butylcelosolv; Butylglycol; Caswell No. 121; CCRIS 5985; Chimec NR; Dowanol EB; EGBE; EGMBE; EINECS 203-905-0; Ektasolve® EB; EPA Pesticide Chemical Code 011501; Eter monobutilico del etilenglicol; Ethanol, 2-butoxy-; Ether monobutylique de l'ethyleneglycol; Ethylene glycol butyl ether; Ethylene glycol mono-n-butyl ether; Ethylene glycol monobutyl ether; Ethylene glycol monobutyl ether [Keep away from food]; Ethylene glycol n-butyl ether; Gafcol EB; Glycol butyl ether; Glycol ether EB; Glycol monobutyl ether; HSDB 538; Jeffersol EB; Monobutyl ether of ethylene glycol; Monobutyl ethylene glycol ether; n-Butoxyethanol; NSC 60759; Poly-Solv EB; UN2369. Solvent for nitrocellulose resins, spray lacquers, co-solvent, gas chromatography. Used in alkyd, phenolic, maleic, and cellulose nitrate resins; excellent retarder for lacquers, improving gloss and flow-out, blush resistance, and reducing the formation of orange peel; useful in formulating hot-spray, brushing, flow-coat, and Aerosol®® lacquers. Registered by EPA as an antimicrobial and fungicide (cancelled). Liquid: mp = -74.8°; bp = 168.4°; bp_{12} = 67°; d_4^{20} = 0.9012, d^{20} = 0.9015, d_{20}^{20} = 0.9020; soluble in H_2O (5 g/100

ml), freely soluble in EtOH, Et_2O, slightly soluble in CCl_4; LD_{50} (rat orl) = 1480 mg/kg. *Arco; Eastman Chem. Co.; ICI; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

514 Butoxyethyl stearate

109-38-6 G



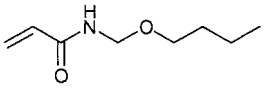
$C_{24}H_{48}O_3$

2-Butoxyethyl stearate.

AI3-04494; 2-Butoxyethyl stearate; Dermol BES; EINECS 203-668-3; KP-23; Octadecanoic acid, 2-butoxyethyl ester. Used as a solvent. *Akzo Chemie.*

515 N-(Butoxymethyl)acrylamide

1852-16-0 H



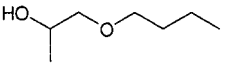
$C_8H_{15}NO_2$

2-Propenamide, N-(butoxymethyl)-.

Acrylamide, N-(butoxymethyl)-; BRN 1906225; N-(Butoxymethyl)-2-propenamide; N-(Butoxymethyl)-acrylamide; N-Butoxymethylakrylamid; EINECS 217-442-7; HSDB 5859; 2-Propenamide, N-(butoxy-methyl)-.

516 Butoxypropanol

5131-66-8 H



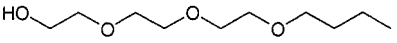
$C_7H_{16}O_2$

1,2-Propylene glycol 1-monobutyl ether.

4-01-00-02471 (Beilstein Handbook Reference); AI3-18549; BRN 1733910; Butoxypropanol; n-Butoxypropanol; n-Butoxy-2-propanol; 1-Butoxy-2-propanol; 1-Butoxypropan-2-ol; EINECS 225-878-4; 2-Hydroxy-3-butoxypropane; NSC 2211; 2-Propanol, 1-butoxy-; Propasol solvent B; Propylene glycol monobutyl ether; Propylene glycol n-butyl ether; 1,2-Propylene glycol 1-monobutyl ether. Liquid; bp = 171.5°, bp_{20} = 71°; d^{20} = 0.882; soluble in EtOH, MeOH, Et_2O, C_6H_6, CCl_4.

517 Butoxytriethylene glycol

143-22-6 H



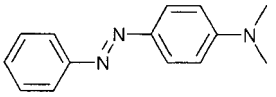
$C_{10}H_{22}O_4$

2-(2-(2-Butoxyethoxy)ethoxy)ethanol.

4-01-00-02402 (Beilstein Handbook Reference); AI3-30236; BRN 1750600; Butoxytriethylene glycol; Butoxytriglycol; Dowanol tbat; EINECS 205-592-6; Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-; HSDB 5645; NSC 164915; Poly-Solv TB; Triethylene glycol butyl ether. Liquid; bp = 278°; d^{20} = 0.9890; very soluble in EtOH, MeOH.

518 Butter yellow

60-11-7 3256 G



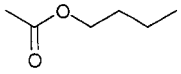
$C_{14}H_{15}N_3$

4-Dimethylaminoazobenzene.

AI3-08903; Aniline, N,N-dimethyl-p-phenylazo-; Atul Fast Yellow R; Azobenzene, p-dimethylamino-; Benzenamine, N,N-dimethyl-4-(phenylazo)-; Benzene-azodimethylaniline; Brilliant Fast Oil Yellow; Brilliant Fast Spirit Yellow; Brilliant Oil Yellow; Butter Yellow; Butyro flavine; C.I. 11020; C.I. Solvent Yellow 2; CCRIS 251; Cerasine Yellow GG; Dab; Dab (Carcinogen); Dimethyl aminoazobenzene; 4-(Dimethylamino)azobenzene; p-Dimethylamino-azobenzen; p-Dimethylaminoazobenzene; p-Dimethylamino-azobenzol; Dimethyl Yellow; Dimethyl Yellow Analar; Dimethyl Yellow N,N-dimethylaniline; DMAB; EINECS 200-455-7; Enial Yellow 2G; Fast Oil Yellow B; Fast Yellow; Fat Yellow; Fat Yellow A; Fat Yellow AD OO; Fat Yellow ES; Fat Yellow Extra Conc.; Fat Yellow R; Fat Yellow R (8186); Grasal Brilliant Yellow; HSDB 2692; Iketon Yellow Extra; Jaune de beurre; Methyl Yellow; NSC 6236; Oil Yellow; Oil Yellow 20; Oil Yellow 2625; Oil Yellow 7463; Oil Yellow 2G; Oil Yellow BB; Oil Yellow D; Oil Yellow DN; Oil Yellow FF; Oil Yellow FN; Oil Yellow G; Oil Yellow G-2; Oil Yellow GG; Oil Yellow GR; Oil Yellow II; Oil Yellow N; Oil Yellow Pel; Oil Yellow S; Oleal Yellow 2G; Organol Yellow ADM; Orient Oil Yellow GG; P.D.A.B.; Petrol Yellow Wt; 4-(Phenylazo)-N,N-dimethylaniline; RCRA waste number U093; Resinol Yellow GR; Resoform Yellow GGA; Silotras Yellow T2G; Solvent Yellow 2; Somalia Yellow A; Stear Yellow JB; Sudan GG; Sudan Yellow; Sudan Yellow GG; Sudan Yellow GGA; Toyo Oil Yellow G; USAF EK-338; Waxoline Yellow AD; Waxoline Yellow ADS; Yellow G soluble in grease; Zlut maselna; Zlut rozpoustedlova 2. Azo dyestuffs based on dimethylaminoazobenzene were formerly used for coloring butter and oils. Acid-base indicator; red at pH 2.9, yellow at pH 4.0 Crystals; mp = 111°; bp ■ 200°; LD_{50} (rat orl) = 200 mg/kg. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

519 Butyl acetate

123-86-4 1534 H



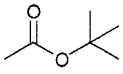
$C_6H_{12}O_2$

n-Butyl acetate.

4-02-00-00143 (Beilstein Handbook Reference); Acetate de butyle; Acetic acid, butyl ester; AI3-00406; BRN 1741921; Butile (acetati di); Butyl acetate; Butyl ethanoate; Butylacetat; Butylacetaten; Butyle (acetate de); Butylester kyseliny octove; CCRIS 2287; EINECS 204-658-1; HSDB 152; NSC 9298; Octan n-butylu; UN1123. Mobile liquid; mp = -78°; bp = 126.1°; d^{20} = 0.8825; λ_m = 202, 214 nm (ε = 51, 50, isooctane), 208 nm (ε = 56, MeOH); slightly soluble in H_2O, soluble in Me_2CO, $CHCl_3$, freely soluble in EtOH, Et_2O.

520 tert-Butyl Acetate

540-88-5 1536 G



$C_6H_{12}O_2$

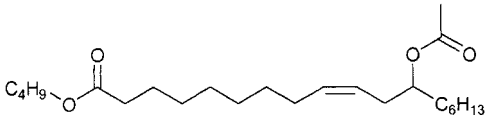
Acetic acid 1,1-dimethylethyl ester.

4-02-00-00151 (Beilstein Handbook Reference); Acetic acid, 1,1-dimethylethyl ester; Acetic acid, tert-butyl ester; BRN 1699506; t-Butyl acetate; tert-Butyl acetate; tert-Butyl ethanoate; EINECS 208-760-7; HSDB 835; NSC 59719; Texaco lead appreciator; TLA; UN1123. Used as a gasoline additive. Liquid; bp = 95.1°; d^{20} =

0.8665; λ_m = 213 nm (ε = 55, MeOH); insoluble in H_2O; soluble in EtOH, Et_2O, $CHCl_3$, AcOH. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

521 Butyl acetyl ricinoleate

140-04-5 G



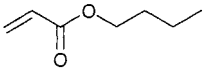
$C_{24}H_{44}O_4$

Butyl 12-(acetyloxy)-9-octadecenoate.

AI3-00400; Bakers P-6; Baryl; Butyl 12-acetoxyoleate; Butyl O-acetylricinoleate; EINECS 205-393-4; Flexricin P 6; NSC 2319; 9-Octadecenoic acid, 12-(acetyloxy)-, butyl ester; 9-Octadecenoic acid, 12-(acetyloxy)-, butyl ester, (R-(Z))-; 9-Octadecenoic acid, 12-(acetyloxy)-, butyl ester, (R-(Z))- (9Ci); 9-Octadecenoic acid, 12-(acetyloxy)-, butyl ester, (9Z,12R)-; Ricinoleic acid, butyl ester, acetate. A plasticizer used with vinyl polymers. *Harcros.*

522 Butyl acrylate

141-32-2 1538 G H



$C_7H_{12}O_2$

n-Butyl 2-propenoate.

4-02-00-01463 (Beilstein Handbook Reference); Acrylic acid butyl ester; Acrylic acid n-butyl ester; AI3-15739; BRN 1749970; Butyl 2-propenoate; Butyl acrylate; Butylester kyseliny akrylove; CCRIS 3401; EINECS 205-480-7; HSDB 305; NSC 5163; UN2348. Intermediate in organic synthesis, polymers and copolymers for solvent coatings, adhesives, paints, binders, emulsifiers. Liquid; mp = -64.6°; bp = 145°; d^{20} = 0.8898; λ_m ▪ 242 nm (isooctane); insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O, Me_2CO; LD_{50} (rat orl) = 3.73 g/kg. *BASF Corp.*

523 tert.-Butyl Alcohol

75-65-0 1541 P

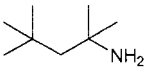
$C_4H_{10}O$

1,1-Dimethylethanol.

4-01-00-01609 (Beilstein Handbook Reference); AI3-01288; Alcool butylique tertiaire; Arconol; BRN 0906698; Butanol tertiaire; t-Butanol; tert-Butanol; t-Butyl alcohol; t-Butyl hydroxide; tert-Butyl alcohol; tertiary-Butanol; Caswell No. 124A; CCRIS 4755; Dimethylethanol; EINECS 200-889-7; HSDB 50; Methanol, trimethyl-; Methyl-2-propanol; NCI-C55367; TBA; Trimethyl carbinol; Trimethyl methanol. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide (cancelled). Crystals; mp = 25.4°; bp = 82.4°; d^{20} = 0.7887; LD_{50} (rat orl) = 3500 mg/kg, pulmonary toxicity at 25 ppm. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

524 tert-Octylamine

107-45-9 H



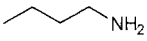
$C_8H_{19}N$

1,1,3,3-Tetramethylbutylamine.

4-04-00-00769 (Beilstein Handbook Reference); AI3-52247; BRN 1732753; Butylamine, 1,1,3,3-tetramethyl-; Butylamine, bis(1,3-dimethyl)-; EINECS 203-491-1; NSC 33852; tert-Octylamine; 2-Pentanamine, 2,4,4-trimethyl-; 1,1,3,3-Tetramethyl-butanamine; 2,4,4-Trimethyl-2-pentylamine.

525 Butylamine

109-73-9 1542 G H



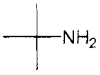
$C_4H_{11}N$

n-Butylamine.

AI3-24197; Amine-C4; 1-Amino-butaan; 1-Aminobutan; 1-Aminobutane; 1-Butanamine; n-Butilamina; n-Butylamin; Butylamine; n-Butylamine; CCRIS 4756; EINECS 203-699-2; FEMA Number 3130; HSDB 515; Mono-n-butylamine; Monobutilamina; Monobutylamine; Norvalamine; NSC 8029; UN1125. Chemical intermediate. Liquid; mp = -49.1°; bp = 77.0°, d^{20} = 0.7414; freely soluble in H_2O, soluble in EtOH, Et_2O; LD_{50} (rat orl) = 366 mg/kg. *Akzo Nobel Chemicals Inc; Akzo Nobel.*

526 t-Butylamine

75-64-9 1544 H



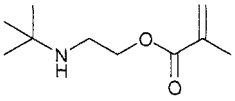
$C_4H_{11}N$

Trimethylaminomethane.

AI3-24036; Butylamine, tert; CCRIS 4758; CP 11093; EINECS 200-888-1; Erbumine; HSDB 5209; NSC 9571; t-Butylamine; tert-Butylamine; Trimethylamino-methane. Used in chemical synthesis and analysis. Liquid; mp = -66.9°; bp = 44°; d^{20} ▪ 0.6958; very soluble in H_2O, organic solvents. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

527 tert-Butylaminoethyl methacrylate

3775-90-4 G

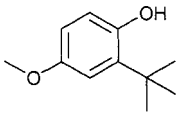


$C_{10}H_{19}NO_2$

2-[(1,1-Dimethylethyl)amino]ethyl 2-methyl-2-prop-enoate.

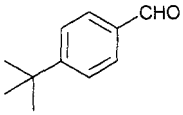
4-04-00-01509 (Beilstein Handbook Reference); Ageflex FM-4; AI3-61480; BRN 1761825; 2-(tert-Butylamino)ethyl methacrylate; N-tert-Butylaminoethyl methacrylate; 2-((1,1-Dimethylethyl)amino)ethyl 2-methyl-2-propenoate; EINECS 223-228-4; Ethanol, 2-(tert-butylamino)-, methacrylate (ester); HSDB 6111; Methacrylic acid, 2-(tert-butylamino)ethyl ester; Methacrylic acid, 2-(tert-butylamino)ethyl ester; 2-Methyl-2-propenoic acid, 2-((1,1-dimethylethyl)-amino)ethyl ester; 2-Propenoic acid, 2-methyl-, 2-((1,1-dimethylethyl)amino)ethyl ester. Used in automotive dip tanks, coatings, industrial/consumer adhesives and coatings, dye and lube oil additives, intermediate for water treatment chemicals, oil-water separations. Liquid; d^{20} = 0.914. *Rit-Chem.*

528 **Butylated hydroxyanisole**
25013-16-5 1546 G



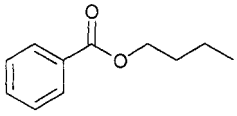
$C_{11}H_{16}O_2$
BHA.
(1,1-Dimethylethyl)-4-methoxyphenol; Anisole, butylated hydroxy-; Antioxyne B; Antrancine 12; BHA; BOA (antioxidant); Butyl hydroxyanisole; Butylated hydroxyanisole; Butylhydroxyanisole; 2-terc.Butyl-4-methoxyfenol; 2(3)-t-Butyl-4-hydroxyanisole; 3-t-Butyl-4-hydroxyanisole; t-Butyl hydroxyanisole; tert-Butyl-4-hydroxyanisole; Butylohydroksyanizol; CCRIS 102; EEC No. E320; EINECS 246-563-8; Embanox; FEMA No. 2183; HSDB 3913; Nepantiox 1-F; Nipantiox 1-F; Phenol, (1,1-dimethylethyl)-4-methoxy-; Phenol, tert-butyl-4-methoxy-; Protex; Sustane® 1-F; Tenox BHA. Mixture of isomers of t-butyl-substituted 4-methoxyphenols; antioxidant and preservative for foods mp = 48-55°; bp_{733} = 264-270°; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 2200 mg/kg. *Eastman Chem. Co.; Nipa; Penta Mfg.; UOP.*

529 **p-t-Butylbenzaldehyde**
939-97-9 H



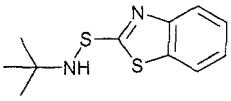
$C_{11}H_{14}O$
Benzaldehyde, 4-(1,1-dimethylethyl)-.
AI3-37199; Benzaldehyde, 4-(1,1-dimethylethyl)-; Benzaldehyde, p-tert-butyl-; p-t-Butylbenzaldehyde; 4-tert-Butylbenzaldehyde; EINECS 213-367-9.

530 **n-Butyl benzoate**
136-60-7 1551 G



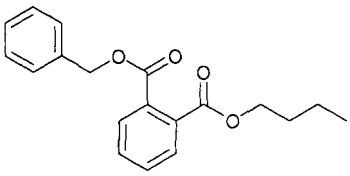
$C_{11}H_{14}O_2$
Benzoic acid butyl ester.
4-09-00-00290 (Beilstein Handbook Reference); AI3-00521; Anthrapole AZ; Benzoic acid, butyl ester; Benzoic acid n-butyl ester; BRN 1867073; Butyl benzoate; n-Butyl benzoate; Butylester kyseliny benzoove; Dai Cari XBN; EINECS 205-252-7; Hipochem B-3-M; HSDB 2089; Marvanol® Carrier BB; NSC 8474. Emulsified butyl benzoate; self-emulsifying carrier used in dyeing of polyester and triacetate fibers. Thick, oily liquid; mp = -22.4°; bp = 250.3°; d^{20} = 1.0000; λ_m = 228, 272, 279 nm (ε = 12200, 874, 716, MeOH); insoluble in water; soluble in Me_2CO, CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 5.14 g/kg. *Pentagon Chems. Ltd.; PMC; Raschig GmbH; Uniroyal.*

531 **N-t-Butyl-2-benzothiazolesulfenamide**
95-31-8 G H



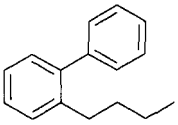
$C_{11}H_{14}N_2S_2$
2-Benzothiazolesulfenamide, N-(1,1-dimethylethyl)-.
4-27-00-01866 (Beilstein Handbook Reference); Accel BNS; BBTS; Benzothiazolyl-2-t-butylsulfenamide; BRN 0158370; Delac NS; EINECS 202-409-1; HSDB 5288; Nocceler NS; NSC 84176; Pennac Tbbs; Perkacit® TBBS; Santocure NS; Santocure NS vulcanization accelerator; Vanax NS; Vulkacit NZ. A delayed action accelerator very safe at processing temperatures producing lower scorch and faster cure than Durax but producing high modulus stocks at curing temperatures; activated by thiurams, dithiocarbamates, aldehyde amines, guanidines and BIK; nondiscoloring and nonstaining to rubber stocks and materials in contact with them; used in tire treads, carcass, mechanicals and wire jackets. Solid; mp=105°; d = 1.28; practically insoluble in H_2O. *Akrochem Chem. Co.; Akzo Chemie; Monsanto Co.; Uniroyal; Vanderbilt R.T. Co. Inc.*

532 **Butylbenzyl phthalate**
85-68-7 H



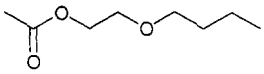
$C_{19}H_{20}O_4$
Butyl phenylmethyl 1,2-benzenedicarboxylate.
4-09-00-03218 (Beilstein Handbook Reference); AI3-14777; BBP; Benzyl butyl phthalate; Benzyl-butylester kyseliny ftalove; Benzyl n-butyl phthalate; BRN 2062204; Butyl benzyl phthalate; Butyl phenylmethyl 1,2-benzenedicarboxylate; Butylbenzyl phthalate; Caswell No. 125G; CCRIS 104; EINECS 201-622-7; HSDB 2107; NCI-C54375; NSC 71001; Palatinol BB; Phthalic acid, benzyl butyl ester; Santicizer 160; Sicol; Sicol 160; Unimoll BB. Used as a plasticizer for polyvinyl and cellulosic resins, and as an organic intermediate. Oil; mp = -35°; bp = 370°; d = 1.100; slightly soluble in H_2O (0.269 mg/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 2330 mg/kg. *Ashland; Bayer AG; Monsanto Co.*

533 **Butylbiphenyl**
41638-55-5 H



$C_{16}H_{18}$
Butyl-1,1'-biphenyl.
1,1'-Biphenyl, butyl-; Butyl-1,1'-biphenyl; Butylphenyl; EINECS 255-471-7.

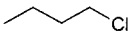
534 **Butyl cellosolve acetate**
112-07-2 G H



$C_8H_{16}O_3$
2-Butoxyethyl acetate.
4-02-00-00215 (Beilstein Handbook Reference); Acetic acid, 2-butoxyethyl ester; BRN 1756960; 2-Butoxyethanol acetate; n-Butoxyethanol acetate; Butoxyethyl acetate; 2-Butoxyethyl acetate; 2-Butoxyethylester kyseliny octove; Butyl cellosolve acetate; Butyl glycol acetate; Butylcelosolvacetat; Butylglycol acetate; Diethylene glycol butyl ether acetate; EGBEA; EINECS 203-933-3; Ektasolve EB acetate; Ethanol, 2-butoxy-, acetate; Ethylene glycol butyl ether acetate; Ethylene glycol monobutyl ether acetate; Glycol monobutyl ether acetate; HSDB 435. Solvent for high-solids coatings Liquid; bp = 192.3°. *Arco; Eastman Chem. Co.; OxyChem; Union Carbide Corp.*

535 Butyl chloride

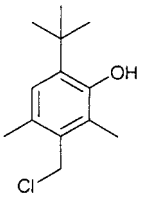
109-69-3 1559 H



C_4H_9Cl
n-Butyl chloride.
4-01-00-00246 (Beilstein Handbook Reference); AI3-15309; BRN 1730909; Butane, 1-chloro-; Butyl chloride; n-Butyl chloride; CCRIS 1389; 1-Chlorobutane; Chlorobutane, 1-; Chiorure de butyle; EINECS 203-696-6; HSDB 4167; NBC wormer; NCI-C06155; NSC 8419; n-Propylcarbinyl chloride; Sure Shot; UN 1127. Liquid; mp = -123.1°; bp = 78.6°; d^{20} = 0.8862; insoluble in H_2O, slightly soluble in CCl_4, freely soluble in EtOH, Et_2O.

536 6-t-Butyl-3-chloromethyl-2,4-xylenol

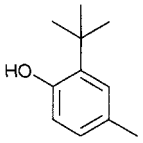
23500-79-0 H



$C_{13}H_{19}ClO$
3-(Chloromethyl)-6-(1,1-dimethylethyl)-2,4-dimethyl-phenol.
6-t-Butyl-3-chloromethyl-2,4-xylenol; 3-(Chloro-methyl)-6-(1,1-dimethylethyl)-2,4-dimethylphenol; 2,4-Dimethyl-3-(chloromethyl)-6-t-butylphenol; EINECS 245-697-4; Phenol, 6-t-butyl-3-(chloromethyl)-2,4-dimethyl-; Phenol, 3-(chloromethyl)-6-(1,1-dimethyl-ethyl)-2,4-dimethyl-.

537 o-t-Butyl-p-cresol

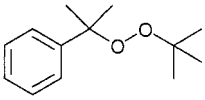
2409-55-4 G H



$C_{11}H_{16}O$
4-Methyl-2-(1,1-dimethylethyl)phenol.
4-06-00-03397 (Beilstein Handbook Reference); BRN 1817645; Cao; CCRIS 4045; EINECS 219-314-6; HSDB 5875; Lowinox® MBPC; 4-Methyl-2-t-butylphenol; 4-Methyl-2-t-butylphenol; NSC 60301; o-t-Butyl-p-cresol; p-Cresol, 2-t-butyl-; Phenol, 2-(1,1-dimethylethyl)-4-methyl-. Intermediate used in manufacture of antioxidants for food, plastic, rubbers, and other general purpose requirements and of UV absorbing chemicals. Crystals; mp = 51-52°; bp = 237°; d^{25} = 0.9247; λ_m ■ 275, 277, 284 nm (cyclohexane); slightly soluble in H_2O, soluble in Me_2CO, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 2500 mg/kg. *Lowi; PMC; PMS Specialities Group Inc.*

538 Butyl cumyl peroxide

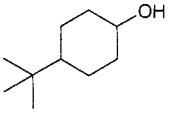
3457-61-2 G



$C_{13}H_{20}O_2$
1,1-Dimethylethyl 1-methyl-1-phenylethyl peroxide.
tert-Butyl α,α-dimethylbenzyl peroxide; EINECS 222-389-8; Luperco 801-XL; Peroxide, 1,1-dimethylethyl 1-methyl-1-phenylethyl; Trigonox® T. Used as an initiator for high-temperature cure of polyester resins, curing elastomers, and polymer modification thermoplastic cross-linking. *Elf Atochem N. Am.*

539 4-t-Butylcyclohexanol

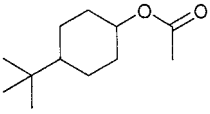
98-52-2 H



$C_{10}H_{20}O$
Cyclohexanol, 4-(1,1-dimethylethyl)-.
1-06-00-00018 (Beilstein Handbook Reference); AI3-02503; BRN 1902277; 4-t-Butylcyclohexanol; p-t-Butylcyclohexanol; Cyclohexanol, 4-t-butyl-; Cyclohexanol, 4-(1,1-dimethylethyl)-; EINECS 202-676-4; NSC 404197; Padaryl; USAF DO-20.

540 p-tert-Butylcyclohexyl acetate

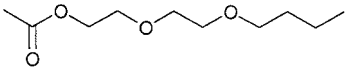
32210-23-4 H



$C_{12}H_{22}O_2$
Cyclohexanol, 4-tert-butyl-, acetate.
Acetic acid, (4-tert-butylcyclohexyl) ester; AI3-36523; 4-t-Butylcyclohexyl acetate; 4-tert-Butyl cyclohexyl acetate; 4-tert-Butylcyclohexanol acetate; 4-tert-Butylhexahydrophenyl acetate; Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate; Cyclohexanol, 4-tert-butyl-, acetate; Cyclohexanol, 4-tert-butyl-, acetate (8Ci); EINECS 250-954-9; NSC 163103; p-tert-Butyl cyclohexyl acetate; p-tert-Butylcyclohexyl acetate; Vertenex.

541 Butyl diethylene glycol acetate

124-17-4 G H



$C_{10}H_{20}O_4$
2-(2-Butoxyethoxy)ethanol acetate.
3-02-00-00308 (Beilstein Handbook Reference); Acetic acid 2-(2-butoxyethoxy)ethyl ester; AI3-00170; BRN 1771533; Butoxyethoxyethyl acetate; 2-(2-Butoxyethoxy)ethanol acetate; 2-(2-Butoxyethoxy)ethyl acetate; 2-(2-Butoxyethoxy)ethylester kyseliny

octove; Butyl carbitol acetate; Butyl diethylene glycol acetate; Butyl diglycol acetate; Butylkarbitolacetat; Diethylene glycol butyl ether acetate; Diglycol monobutyl ether acetate; EINECS 204-685-9; Ektasolve DB acetate; Ethanol, 2-(2-butoxyethoxy)-, acetate; Glycol ether DB aceatate; HSDB 334; NSC 5175. Used as a solvent. Liquid; mp = -32°; bp = 245°; d^{20} = 0.985; soluble in H_2O, very soluble in Me_2CO, EtOH, Et_2O; LD_{50} (rat orl) = 6500 mg/kg. *Allchem Ind.; Arco; Ashland; Eastman Chem. Co.; Fluka; Occidental Chem. Corp.; OxyChem; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

542 Butylene

25167-67-3 H

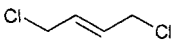
C_4H_8

But-1-ene.

Butene; But-1-ene; n-Butene; Butylene; n-Butylene; EINECS 246-689-3; HSDB 5127; UN1012.

543 2-Butylene dichloride

764-41-0 H



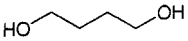
$C_4H_6Cl_2$

1,4-Dichloro-2-butene.

BRN 1361446; 2-Butene, 1,4-dichloro-; 2-Butylene dichloride; 1,4-DCB; 1,4-Dichloro-2-butene; 1,4-Dichlorobut-2-ene; 1,4-Dichlorobutene-2; 1,4-Dichloro-2-butylene; EINECS 212-121-8; HSDB 6008; NSC 9452; RCRA waste number U074.

544 Butylene Glycol

107-88-0 1566 H



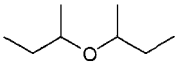
$C_4H_{10}O_2$

1,3-Dihydroxybutane.

0-01-00-00477 (Beilstein Handbook Reference); AI3-11077; BD; BRN 1731276; 1,3-Butandiol; 1,3-Butanediol; Butane-1,3-diol; 1,3-Butylene glycol; β-Butylene glycol; 1,3-Butylenglykol; 1,3-Dihydroxybutane; Caswell No. 128GG; EINECS 203-529-7; HSDB 153; Methyltrimethylene glycol; NSC 402145. Registered by EPA (cancelled). Viscous liquid; mp < 50°; bp = 207.5°; d_{20}^{20} = 1.005 (8.398 lb/gal); viscosity (centistokes) 24.6 at 50°, 96 at 25°; 590 at 0°, 3253 at -17.7°, 6059 at -23°; soluble in H_2O, Me_2CO, MEK, EtOH, dibutyl phthalate, castor oil, insoluble in hydrocarbons, CCl_4, ethanolamines, mineral oil, linseed oil; LD_{50} (rat orl) = 22500 mg/kg. *Sigma-Aldrich Co.*

545 sec-Butyl ether

6863-58-7 H



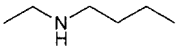
$C_8H_{18}O$

2,2'-Oxybisbutane.

0-01-00-00372 (Beilstein Handbook Reference); Bis(2-butyl)ether; BRN 1733014; Butane, 2,2'-oxybis-; sec-Butyl ether; Di-sec-butyl ether; EINECS 229-961-6. Liquid; bp = 121°; d^{25} = 0.756.

546 Butylethylamine

13360-63-9 H



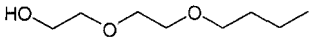
$C_6H_{15}N$

N-Ethyl-n-butylamine.

4-04-00-00547 (Beilstein Handbook Reference); BRN 1731324; 1-Butanamine, N-ethyl-; Butyl(ethyl)amine; Butylamine, N-ethyl-; CCRIS 4815; EINECS 236-415-0; Ethylbutylamine; N-Butylethylamine; N-Ethyl-N-butylamine.

547 Butyl Ethyl Cellosolve

112-34-5 1556 G H



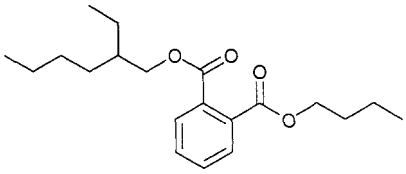
$C_8H_{18}O_3$

Diethylene glycol mono-n-butyl ether.

4-01-00-02394 (Beilstein Handbook Reference); AI3-01954; BRN 1739225; BUCB; Butoxy diethylene glycol; Butoxydiglycol; Butoxyethoxyethanol; 2-(2-Butoxyethoxy)ethanol; Butyl carbitol; Butyl diglycol; Butyl digol; Butyl dioxitol; Butyl Ethyl Cellosolve; Caswell No. 121B; Caswell No. 125H; CCRIS 5321; Diethylene glycol butyl ether; Diethylene glycol monobutyl ether; Diglycol monobutyl ether; Dowanol DB; EINECS 203-961-6; Ektasolve® DB; EPA Pesticide Chemical Code 011502; Ethanol, 2-(2-butoxyethoxy)-; Glycol ether DB; HSDB 333; Jeffersol DB; NSC 407762; Poly-Solv DB. A lacquer solvent boiling at 230°. Liquid; mp = -68°; bp = 231°; d^{20} = 0.9553; freely soluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, soluble in C_6H_6; LD_{50} (rat orl) = 6.56 g/kg. *Eastman Chem. Co.*

548 Butyl 2-ethylhexyl phthalate

85-69-8 H



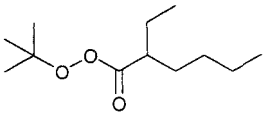
$C_{20}H_{30}O_4$

1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester.

1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester; 2-Ethylhexyl butyl phthalate; Butyl 2-ethylhexyl phthalate; EINECS 201-623-2; HSDB 5251; Phthalic acid, butyl 2-ethylhexyl ester.

549 tert-Butyl 2-ethylperoxyhexanoate

3006-82-4 G H



$C_{12}H_{24}O_3$

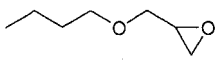
Hexaneperoxoic acid, 2-ethyl-, 1,1-dimethylethyl ester.

Aztec® t-Butyl Peroctoate; Aztec® *t*-Butyl Peroctoate-50 OMS; tert-Butyl 2-ethylperoxyhexanoate; EINECS 221-110-7; Hexaneperoxoic acid, 2-ethyl-, 1,1-dimethylethyl ester; Peroxyhexanoic acid, 2-ethyl-, tert-butyl ester; Trigonox® 21. Initiator for acrylates, styrenics, and LDPE polymerization; used where presence of water is

objectionable. *Akzo Chemie; Catalyst Resources Inc.*

550 Butyl glycidyl ether

2426-08-6 G H



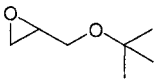
$C_7H_{14}O_2$

1-Butoxy-2,3-epoxypropane.

5-17-03-00011 (Beilstein Handbook Reference); Ageflex BGE; BGE; BRN 0103668; 1-Butoxy-2,3-epoxypropane; Butyl 2,3-epoxy propyl ether; Butyl glycidyl ether; CCRIS 828; EINECS 219-376-4; ERL 0810; Ether, butyl 2,3-epoxypropyl; Ether, butyl glycidyl; Glycidyl butyl ether; HSDB 299; n-Butyl glycidyl ether; NSC 83413; Oxirane, (butoxymethyl)-; Propane, 1-butoxy-2,3-epoxy-; Sipomer BGE; TK 10408. Reactive diluent in epoxy resins, laminating, flooring, electrical casting and encapsulants. Liquid; bp = 169°, bp_{26} = 75°; d^{20} = 0.918, d_4^{25}= 0.908; soluble in H_2O (1.0-2.0 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 2050 mg/kg. *Rit-Chem.*

551 t-Butyl glycidyl ether

7665-72-7 G



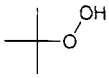
$C_7H_{14}O_2$

((1,1-Dimethylethoxy)methyl)oxirane.

5-17-03-00011 (Beilstein Handbook Reference); Ageflex TBGE; t-Bge; BRN 0103483; (tert-Butoxymethyl)oxirane; Butyl glycidyl ether, tert-; tert-Butyl glycidyl ether; CCRIS 2632; 1,1-Dimethylethyl glycidyl ether; EINECS 231-640-0; 2,3-Epoxypropyl-t-butyl ether; Oxirane, ((1,1-dimethylethoxy)methyl)-; Propane, 1-tert-butoxy-2,3-epoxy-. Reactive diluent in epoxy resins, corrosion inhibitor in some solvents, modifier for amines, acids and thiols. Liquid; mp = -70°; bp = 152°, 164-166°; d_{20}^{20} = 0.898; TWA 25ppm; moderately toxic by ingestion, skin contact, intraperitoneal route; mildly toxic by inhalation. *Rit-Chem.*

552 t-Butylhydroperoxide

75-91-2 1569 G H



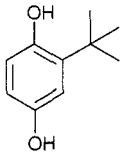
$C_4H_{10}O_2$

1,1-Dimethylethyl hydroperoxide.

4-01-00-01616 (Beilstein Handbook Reference); AI3-50541; BRN 1098280; Cadox TBH; Caswell No. 130BB; CCRIS 5892; DE 488; EINECS 200-915-7; HSDB 837; Hydroperoxide, 1,1-dimethylethyl-; Hydroperoxide, tert-butyl; Hydroperoxyde de butyle tertiaire; NSC 672; Perbutyl H; Slimicide; Slimicide DE-488; t-Butylhydroperoxide; TBHP-70; terc. Butylhydroperoxid; tert-Butyl hydrogen peroxide; tert-Butyl hydroperoxide; Tertiary butyl hydroperoxide; Trigonox A-75; Trigonox A-W70; USP®-800. Polymerization initiator and slimicide. Liquid; mp = 6°; bp_{17} = 36°, bp = 89° (dec); d^{20} = 0.8960; moderately soluble in H_2O, organic solvents; LD_{50} (rat orl) = 406 mg/kg. *Akzo Chemie; Catalysts & Chem. Ind.; CK Witco Chem. Corp.*

553 t-Butylhydroquinone

1948-33-0 G



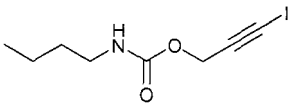
$C_{10}H_{14}O_2$

2-(1,1-Dimethylethyl)-1,4-benzenediol.

4-06-00-06013 (Beilstein Handbook Reference); AI3-61039; Banox 20BA; 1,4-Benzenediol (1,1-di-methylethyl)-; 1,4-Benzenediol, 2-(1,1-dimethylethyl)-; BRN 0637923; tert-Butyl-1,4-benzenediol; 2-tert-Butyl-1,4-benzenediol; Butylhydroquinone, tert-; t-Butyl hydroquinone; tert-Butylhydroquinone; tertiary-Butylhydroquinone; 2-t-Butylhydroquinone; 2-tert-Butylhydroquinone; 2-tert-Butyl(1,4)hydroquinone; CCRIS 1447; 2-(1,1-Dimethylethyl)-1,4-benzenediol; Eastman® MTBHQ; EINECS 217-752-2; HSDB 838; Hydroquinone, t-butyl-; Hydroquinone, tert-butyl-; Mono-tert-butylhydroquinone; Mono-tertiary butyl-hydroquinone; MTBHQ; NSC 4972; Sustane®; Sustane® TBHQ; TBHQ; Tenox TBHQ. Preservative and antioxidant for foodstuffs and meat products; color stable and useful as substitute for reactive antioxidants that tend to form purple complexes with iron or copper. White to light tan crystal solid; soluble in organic solvents; slightly soluble in water; mp = 126.5-128.5; LD_{50} (rat orl) = 700 mg/kg. *AC Ind. Inc.; Aceto Corp.; Allchem Ind.; Charkit; Eastman Chem. Co.; Lancaster Synthesis Co.; Penta Mfg.; Showa Denko; UOP.*

554 Butyl-3-iodo-2-propynylcarbamate

55406-53-6 H



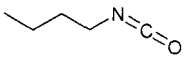
$C_8H_{12}INO_2$

Carbamic acid, butyl-3-iodo-2-propynyl ester.

BRN 2248232; Butyl-3-iodo-2-propynylcarbamate; Carbamic acid, butyl-3-iodo-2-propynyl ester; Caswell No. 501A; EINECS 259-627-5; EPA Pesticide Chemical Code 107801; Iodopropynyl butylcarbamate; 3-Iodo-2-propynyl butyl carbamate; Troysan KK-108A; Troysan polyphase anti-mildew; Woodlife.

555 Butyl isocyanate

111-36-4 1574 H



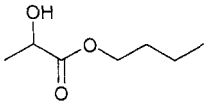
C_5N_9NO

Isocyanic acid, butyl ester.

BIC; Butane, 1-isocyanato-; Butyl isocyanate; EINECS 203-862-8; HSDB 5548; 1-Isocyanatobutane; Isocyanic acid, butyl ester; n-Butyl isocyanate; UN2485.

556 Butyl lactate

138-22-7 G



$C_7H_{14}O_3$

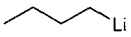
n-Butyl lactate.

4-03-00-00649 (Beilstein Handbook Reference); AI3-00397; BRN

1721597; Butyl α-hydroxypropionate; Butyl 2-hydroxypropanoate; Butyl lactate; n-Butyl lactate; Butylester kyseliny mlecne; EINECS 205-316-4; FEMA No. 2205; 2-Hydroxypropanoic acid butyl ester; Lactic acid, butyl ester; NSC 6533; Propanoic acid, 2-hydroxy-, butyl ester. Solvent, used with dipped latex products, coatings, specialty finishes, inks, diluents, adhesives, intermediates, photoresist solvents, screen printing of electronic parts, flavors and fragrances, solvents for nitrocellulose, antiskinning agent, in dry cleaning fluids. Liquid; mp ◘ -28°; bp = 185-187°; d = 0.968; n_D^{20} = 1.4220; LD_{50} (rat orl) >5 gm/kg. *Penta Mfg.; Purac Biochem. BV; Rit-Chem.*

557 **Butyllithium**

109-72-8 H



C_4H_9Li

n-Butyl lithium.

Butyllithium; EINECS 203-698-7; Lithium, butyl-.

558 **t-Butyl mercaptan**

75-66-1 1578 G H

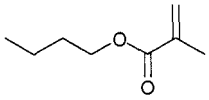
$C_4H_{10}S$

2-Methyl-2-propanethiol.

4-01-00-01634 (Beilstein Handbook Reference); BRN 0505947; EINECS 200-890-2; HSDB 1611; t-Butyl mercaptan; tert-Butanethiol; tert-Butyl mercaptan; tert-Butylthiol; tertiary-Butyl mercaptan. Has skunk-like odor. Used as additive to natural gas for leak detection. Liquid; mp = -0.5°; bp = 64.3°; d^{25} = 0.7943; soluble in organic solvents, insoluble in H_2O. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

559 **Butyl methacrylate**

97-88-1 G H



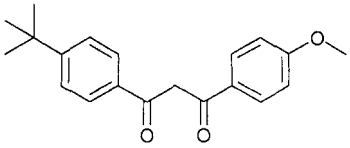
$C_8H_{14}O_2$

2-Propenoic acid, 2-methyl-, butyl ester.

4-02-00-01525 (Beilstein Handbook Reference); AI3-25420; BRN 0773960; Butil metacrilato; Butyl 2-methacrylate; Butyl 2-methyl-2-propenoate; Butyl methacrylate; n-Butyl methacrylate; Butylester kyseliny methakrylove; Butylmethacrylaat; Butylmethacrylate; CCRIS 4760; EINECS 202-615-1; HSDB 289; Methacrylate de butyle; Methacrylic acid, butyl ester; Methacrylsaeurebutylester; Methacrylsäurebutylester; NSC 20956; UN2227. Used as a monomer in resins, solvent coatings, adhesives, oil additives; emulsions for textiles, leather, paper finishing. Liquid; bp = 160°; d^{20} = 0.8936; very soluble in EtOH, Et_2O; Irritant; LD_{50} (rat orl) = 18000 mg/kg. *Mitsubishi Gas; Rohm & Haas Co.*

560 **Butyl methoxydibenzoylmethane**

70356-09-1 801 G



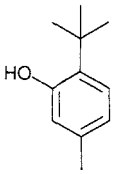
$C_{20}H_{22}O_3$

4-t-Butyl-4'-methoxy-dibenzoylmethane.

Avobenzona; Avobenzone; Avobenzonum; Butyl methoxydibenzoylmethane; 1-(p-t-Butylphenyl)-3-(p-methoxyphenyl)-1,3-propanedione; 1-(4-(1,1-Di-methylethyl)phenyl)-3-(4-methoxyphenyl)propane-1,3-dione; 1-(4-(1,1-Dimethylethyl)phenyl)-3-(4-methoxy-phenyl)-1,3-propanedione; EINECS 274-581-6; Parsol® A; Parsol® 1789; Photoplex; 1,3-Propanedione, 1-(4-(1,1-dimethylethyl)phenyl)-3-(4-methoxyphenyl)-. UV-A absorber for production photostability; used in sunscreens. An ultraviolet-A absorbing agent, used in cosmetics, lipsticks and lip balms, moisturizers, nail polishes, shampoos and other hair care products and sunscreens. Crystals; mp ◘ 83°. *Bernel; Givaudan.*

561 **2-t-Butyl-5-methylphenol**

88-60-8 H



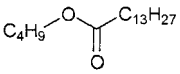
$C_{11}H_{16}O$

Phenol, 2-(1,1-dimethylethyl)-5-methyl-.

4-06-00-03400 (Beilstein Handbook Reference); BRN 1908225; m-Cresol, 6-t-butyl-; EINECS 201-842-3; HSDB 5260; NSC 48467; Phenol, 2-(1,1-dimethylethyl)-5-methyl-; Phenol, 2-t-butyl-5-methyl-. Crystals; mp = 46.5°; bp_{11} = 127°; d^{80} = 0.922; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO.

562 **Butyl myristate**

110-36-1 G



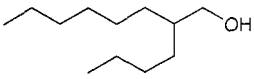
$C_{18}H_{36}O_2$

n-butyl tetradecanoate.

4-02-00-01132 (Beilstein Handbook Reference); AI3-07958; BRN 1782649; Bumyr; Butyl myristate; Butyl tetradecanoate; Butyl n-tetradecanoate; EINECS 203-759-8; Myristic acid, butyl ester; NSC 4814; Tetradecanoic acid, butyl ester; Wickenol 141. Emollient, solubilizer, and lubricant for use in cosmetic and toilet preparations; plasticizer. White liquid; soluble in H_2O, organic solvents; practically odorless; d = 0.860. *Amerchol; CasChem.*

563 **2-Butyloctanol**

3913-02-8 G



$C_{12}H_{26}O$

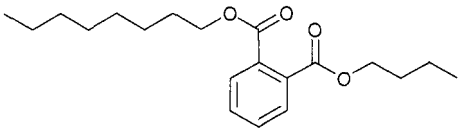
2-Butyl-1-octanol.

4-01-00-01855 (Beilstein Handbook Reference); AI3-19958; BRN

1738522; Butyloctanol; 2-Butyloctanol; 2-Butyl-1-octanol; 2-Butyloctan-1-ol; 2-Butyloctyl alcohol; EINECS 223-470-0; 5-(Hydroxymethyl)-undecane; Isodecyl alcohol; Michel XO-150-12; NSC 2414; 1-Octanol, 2-butyl-. Used in organic synthesis. *Michel M.*

564 Butyl octyl phthalate

84-78-6 G



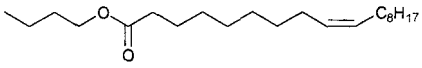
$C_{20}H_{30}O_4$

1,2-Benzenedicarboxylic acid, butyl octyl ester.

BOP; BRN 2289337; Butyl octyl phthalate; EINECS 201-562-1; NSC 69894; Octyl butyl phthalate; Phthalic acid, butyl octyl ester; Plasticizer BOP; Plasticizer OBP; PX 914; Staflex BOP; Truflex OBP. Reagent grade plasticizer. Used as a plasticizer. *Aristech; BASF Corp.*

565 Butyl oleate

142-77-8 G H



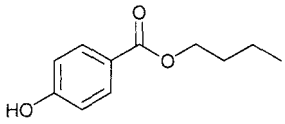
$C_{22}H_{42}O_2$

9-Octadecenoic acid, butyl ester (Z)-.

4-02-00-01653 (Beilstein Handbook Reference); Advaplast 42; AI3-00660; BRN 1728057; Butyl 9-octadecenoate; Butyl cis-9-octadecenoate; Butyl oleate; EINECS 205-559-6; Hallco C 503; Hallco C-503 Plasticizer; HSDB 5483; Kessco 554; Kesscoflex BO; NSC 6700; Oleic acid, butyl ester; Plasthall® 503; Plasthall 914; Uniflex BYO; Vinicizer 30; Wilmar Butyl Oleate; Witcizer 100; Witcizer 101. Textile surface finisher, softener, thread lubricant and antistat; plasticizer. Liquid; mp = -26.4°; bp_{15} = 227-228°; d^{15} = 0.8704; very soluble in EtOH. *Ferro/Keil; Hall C.P.; Inolex; Sybron; Witco/Humko.*

566 Butylparaben

94-26-8 1619 G P



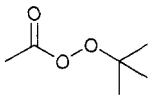
$C_{11}H_{14}O_3$

Butyl p-hydroxybenzoate.

4-10-00-00375 (Beilstein Handbook Reference); 4-Hydroxybenzoic acid butyl ester; AI3-02930; Aseptoform butyl; Benzoic acid, 4-hydroxy-, butyl ester; Benzoic acid, p-hydroxy-, butyl ester; BRN 1103741; Butoben; 4-(Butoxycarbonyl)phenol; Butyl butex; Butyl chemosept; Butyl 4-hydroxybenzoate; Butyl p-hydroxybenzoate; Butyl paraben; Butyl parahydroxybenzoate; Butyl-Parasept; Butyl tegosept; Butylparaben; Caswell No. 130A; CCRIS 2462; EINECS 202-318-7; EPA Pesticide Chemical Code 061205; FEMA Number 2203; HSDB 286; n-Butyl hydroxybenzoate; n-Butyl p-hydroxybenzoate; n-Butyl parahydroxybenzoate; Nipabutyl; NSC 8475; p-Hydroxybenzoic acid butyl ester; Nipabutyl; Preserval B; Solbrol B; SPF; Tegosept B; Tegosept butyl. Antifungal agent used as a preservative in pharmaceuticals and foods. Solid; mp = 68.5°; λ_m = 256 nm (ε = 2470, MeOH); soluble in H_2O, more soluble in EtOH, CCl_4; LD_{50} (mus orl) = 13.2 g/kg. *Inolex; Nipa; Penta Mfg.*

567 t-Butyl peracetate

107-71-1 G



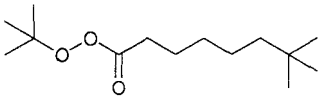
$C_6H_{12}O_3$

t-Butyl peroxyacetate.

4-02-00-00391 (Beilstein Handbook Reference); Aztec® t-butyl peracetate-50 OMS, 60 OMS, 75 OMS; BRN 1701510; t-Butyl peroxyacetate; tert-Butyl peracetate; tert-Butyl peroxyacetate; EINECS 203-514-5; Ethaneperoxoic acid, 1,1-dimethylethyl ester; Lupersol 70; NSC 118417; Peroxyacetic acid, tert-butyl ester; Trigonox F-C50. Used as a catalyst and initiator. *Catalyst Resources Inc.*

568 tert-Butyl peroxyneodecanoate

26748-41-4 H



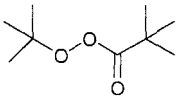
$C_{14}H_{28}O_3$

Neodecaneperoxoic acid, 1,1-dimethylethyl ester.

tert-Butyl peroxyneodecanoate; EINECS 247-955-1; Neodecaneperoxoic acid, 1,1-dimethylethyl ester; Peroxyneodecanoic acid, tert-butyl ester.

569 t-Butyl peroxypivalate

927-07-1 G H



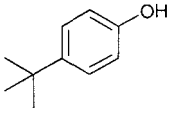
$C_9H_{18}O_3$

tert-Butyl trimethylperoxyacetate.

4-02-00-00912 (Beilstein Handbook Reference); Aztec® t-Butyl Peroxypivalate-75 OMS; BRN 1704745; EINECS 213-147-2; Esperox 31M; Lupersol 11; Peroxypivalic acid, tert-butyl ester; Propane- peroxoic acid, 2,2-dimethyl-, 1,1-dimethylethyl ester; t-Butyl peroxypivalate; tert-Butyl peroxypivalate; tert-Butyl trimethylperoxyacetate; Trigonox 25/75; Trigonox® 25-C75. An initiator for LDPE polymerization, styrenics, and PVC. Supplied as a solution in odorless mineral spirits. Liquid; mp = -17°; insoluble in H_2O. *Akzo Chemie; Catalyst Resources Inc.*

570 tert-Butylphenol

98-54-4 1584 G P



$C_{10}H_{14}O$

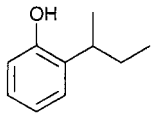
4-t-Butylphenol.

AI3-00126; Butylphen; p-t-Butyl phenol; p-terc.Butylfenol; p-tert-Butylphenol; Caswell No. 130E; EINECS 202-679-0; EPA Pesticide Chemical Code 064113; NSC 3697; Phenol, 4-(1,1-dimethylethyl)-;

Phenol, p-(tert-butyl)-; PTBP; Terbutol; Ucar butylphenol 4-T; Ucar butylphenol 4-T flake. Antioxidant; chemical intermediate for synthetic resins, plasticizers, surface active agents. Intermediate in the manf. of varnish and lacquer, as a soap antioxidant, in motor oil additives. Used as an intermediate in manufacture of varnishes, as a soap antioxidant, in demulsifiers and as a motor oil additive. Registered by EPA as an antimicrobial and fungicide (cancelled). Needles; mp = 98°; bp = 237°; d_4^{14} = 0.9081; λ_m = 220, 276 nm (cyclohexane); insoluble in cold H_2O, soluble in EtOH, Et_2O; LD_{50} (rat orl) = 3250 mg/kg. *ICI Chem. & Polymers Ltd.; Janssen Chimica; PMC; Sigma-Aldrich Co.*

571 **2-sec-Butylphenol**

89-72-5 H



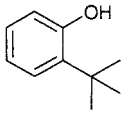
$C_{10}H_{14}O$

Phenol, 2-(1-methylpropyl)-.

3-06-00-01852 (Beilstein Handbook Reference); BRN 1210026; o-sec-Butylphenol; CCRIS 6218; EINECS 201-933-8; HSDB 5266; Phenol, 2-(1-methylpropyl)-; Phenol, o-sec-butyl-. Solid; mp = 16°; bp = 228°, bp_{21} = 116°; d^{25} = 0.9804; λ_m = 216, 274 nm (ε = 6500, 2250, MeOH).

572 **2-t-Butylphenol**

88-18-6 H



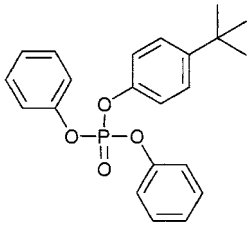
$C_{10}H_{14}O$

Phenol, 2-(1,1-dimethylethyl)-.

4-06-00-03292 (Beilstein Handbook Reference); AI3-26292; Benzene, 1-t-butyl-2-hydroxy-; BRN 1907120; o-t-Butylphenol; o-t-Butylphenol; CCRIS 5825; EINECS 201-807-2; HSDB 5255; Phenol, 2-(1,1-dimethylethyl)-; Phenol, o-t-butyl-. Oil; mp = -6.8°; bp = 223°; d^{20} = 0.9783; λ_m = 216, 273, 279 nm (ε = 5830, 2260, 2000, MeOH), 213, 245, 273, 279 nm (ε = 6090, 726, 2170, 2000, MeOH-KOH); very soluble in Et_2O, less soluble in EtOH, CCl_4.

573 **t-Butylphenyl diphenyl phosphate**

56803-37-3 G H



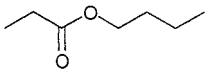
$C_{22}H_{23}O_4P$

Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester.

t-Butylphenyl diphenyl phosphate; tert-Butylphenyl diphenyl phosphate; CCRIS 4761; EINECS 260-391-0; HSDB 6102; Phosphate, tert-butylphenyl diphenyl; Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester; Syn-O-Ad® 8478; Syn-O-Ad® 8485. Antiwear and EP agents in non-crankcase lubricants; ferrous metal passivator; fluid base stock where inhibition of flame propagation is desired. Liquid; bp_5 = 245-260°; SG_{25} = 1.15; insoluble in H_2O, soluble in organic solvents. *Akzo Chemie.*

574 **Butyl propionate**

590-01-2 1587 H



$C_7H_{14}O_2$

Propionic acid n-butyl ester.

4-02-00-00708 (Beilstein Handbook Reference); AI3-24352; BRN 1700932; Butyl propanoate; Butyl propionate; EINECS 209-669-5; FEMA No. 2211; n-Butyl propanoate; n-Butyl propionate; NSC 8449; Propanoic acid, butyl ester; Propionic acid, butyl ester; UN1914. Liquid; mp = -89°; bp = 146.8°; d^{20} = 0.8754; slightly soluble in H_2O, CCl_4, freely soluble in EtOH, Et_2O.

575 **Butyl rubber**

9010-85-9 G

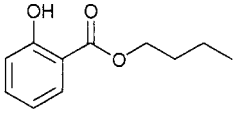
$[-C(CH_3)_2CH_2-]_x-[CH_2CH=C(CH_3)CH_2-]_y$

Poly(isobutylene-co-isoprene).

1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene; Butyl rubber; Isobutylene/isoprene co-polymer; Kalar® 5214; Kalar® 5263; Kalene® 800; 2-Methyl-1,3-butadiene polymer with 2-methyl-1-propene; Poly(isobutylene-co-isoprene). Cross-linked butyl composition; produces nonsagging butyl-based sealants, e.g., automotive windshield tape, hot melt sealant; as base for butyl mastics Viscosity (Mooney, ML 1+8, 100°) = 42-52. *Hardman.*

576 **Butyl salicylate**

2052-14-4 G



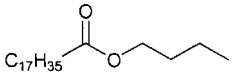
$C_{11}H_{14}O_3$

2-Hydroxy-benzoic acid, butyl ester.

4-10-00-00153 (Beilstein Handbook Reference); AI3-00512; Benzoic acid, 2-hydroxy-, butyl ester; BRN 2208904; Brunol; Butyl (2-hydroxyphenyl)formate; Butyl 2-hydroxybenzoate; Butyl o-hydroxybenzoate; n-Butyl o-hydroxybenzoate; n-Butyl salicylate; EINECS 218-142-9; FEMA No. 3650; NSC 1511; NSC 403676; Salicylic acid, butyl ester. Used as a fragrance. Liquid; mp = -5.9°; bp = 271°; d^{20} = 1.0728; λ_m = 238, 306 nm (ε = 8990, 4210, MeOH); slightly soluble in CCl_4. *Catomance Ltd.*

577 **Butyl stearate**

123-95-5 1589 G H



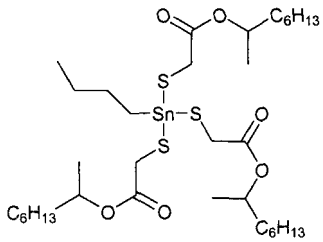
$C_{22}H_{44}O_2$

n-Butyl octadecanoate.

4-02-00-01219 (Beilstein Handbook Reference); ADK STAB LS-8; AI3-00398; APEX 4; BRN 1792866; BS; Butyl octadecanoate; n-Butyl octadecanoate; Butyl octadecylate; Butyl stearate; n-Butyl stearate; EINECS 204-666-5; Emerest 2325; Estrex 1B 54, 1B 55;

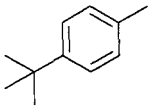
FEMA Number 2214; Groco 5810; HSDB 942; Kemester® 5510; Kessco® BS; Kessco BSC; Kesscoflex BS; NSC 4820; Octadecanoic acid, butyl ester; Polycizer 332; Radia® 7051; RC plasticizer B-17; Starfol BS-100; Stearic acid, butyl ester; Tegester butyl stearate; Uniflex® BYS-Tech; Unimate® BYS; Wickenol 122; Wilmar butyl stearate; Witcizer 200; Witcizer 201; Witconol 2326. Has low viscosity, good color, low odor for plasticizers, textile fiber lubricants, metalworking oils. A biodegradable replacement for mineral oil; used as lubricant in textile spin finish, coning oils, carding, dye bath. Used as a solvent, spreading and softening agent in plastics, textiles, cosmetics, rubbers. Emollient for cosmetics; lubricant, plasticizer. Chemical intermediate, used in chemical synthesis; lubricant in mineral, cutting, lamination, and textile oils, rust inhibitors; textile and leather application. mp = 27°; bp = 343°; d^{25} = 0.854; insoluble in H_2O, soluble in EtOH, very soluble in Me_2CO. *Amerchol; Asahi Denka Kogyo; CK Witco Corp.; Fina Chemicals; Hall C.P.; Henkel/Organic Prods.; Inolex; Mosselman NV; Penta Mfg.; Stepan Canada; Stepan; Union Camp; Witco/Humko.*

578 **Butyltin tris(isooctyl mercaptoacetate)**
25852-70-4 H



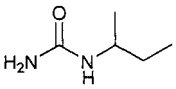
$C_{34}H_{66}O_6S_3Sn$
Butyltris(2-ethylhexyloxycarbonylmethylthio)stannane.
Acetic acid, ((butylstannylidyne)trithio)tri-, triisooctyl ester; Acetic acid, 2,2',2''-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester; Butyltin tris(isooctyl mercaptoacetate); Butyltris(2-ethylhexyloxycarbony-methylthio)stannane; CCRIS 4592; EINECS 247-295-4; Stannane, butyltris((carboxymethyl)thio)-, triisooctyl ester; Stannane, butyltris(carboisooctoxymethylthio)-; Stannane, butyltris(isooctyloxycarbonylmethylthio)-; Stannane, n-butyltris(carboisooctoxymethylthio)-; Tin, butyl-, tris(isooctylthioglycollate); Triisooctyl 2,2',2''-((butylstannylidyne)tris(thio))triacetate.

579 **Butyl toluene**
98-51-1 G



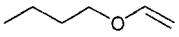
$C_{11}H_{16}$
p-t-Butyl toluene.
4-05-00-01130 (Beilstein Handbook Reference); 1-t-Butyl-3,5-dimethylbenzene; 5-t-Butyl-1,3-dimethyl-benzene; 5-t-Butyl-m-xylene; AI3-02460; Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-; Benzene, 1,3-dimethyl-5-(1,1-dimethylethyl)-; Benzene, 5-t-butyl-1,3-dimethyl-; BRN 1853314; 1,3-Dimethyl-5-t-butylbenzene; EINECS 202-647-6; Lowinox® PTBT; NSC 11016; TBT; m-Xylene, 5-t-butyl-. Antioxidant. mp = -52°; bp = 190°; d^{20} = 0.8612; λ_m = 212, 259, 264, 266, 272 nm (ε = 8313, 282, 407, 355, 347 isooctane); insoluble in H_2O, slightly soluble in EtOH, soluble in Me_2CO, C_6H_6, $CHCl_3$, very soluble in Et_2O. *Hall C.P.*

580 **sec-Butylurea**
689-11-2 H



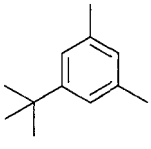
$C_5H_{12}N_2O$
Urea, (1-methylpropyl)-.
EINECS 211-709-1; HSDB 5742; sec-Butylurea; Secondary butylurea; N-sec-Butylurea; NSC 27458; Urea, (1-methylpropyl)-; Urea, sec-butyl-; Urea, 1-sec-butyl-.

581 **Butyl vinyl ether**
111-34-2 G



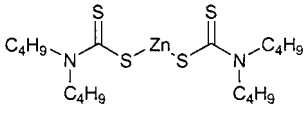
$C_6H_{12}O$
1-(Ethenyloxy)butane.
4-01-00-02052 (Beilstein Handbook Reference); Agrisynth BVE; AI3-24225; BRN 1560217; Butane, 1-(ethenyloxy)-; Butil vinil eter; Butoxyethene; Butoxyethylene; Butyl vinyl ether; n-Butyl vinyl ether; BVE; EINECS 203-860-7; Ethenyl n-butyl ether; Ether, butyl vinyl; Ether butylvinylique; HSDB 6384; NSC 8264; Polyvinox; Shostakovsky Balsam; UN2352; Vinyl butyl ether; Vinyl n-butyl ether. A proprietary preparation of synthetic vinyl butyl ether. Liquid; mp = -92°; bp = 94°; d^{20} = 0.7888; λ_m = 192 nm (ε = 9550, C_7H_{16}); insoluble in H_2O, slightly soluble in ethylene glycol, soluble in C_6H_6; very soluble in EtOH, Me_2CO, freely soluble in Et_2O.

582 **Butyl-m-xylene**
98-19-1 G



$C_{12}H_{18}$
t-Butyl-m-xylene.
4-05-00-01130 (Beilstein Handbook Reference); 5-t-butyl-m-xylene; 5-t-Butyl-1,3-dimethylbenzene; 1-t-Butyl-3,5-dimethylbenzene; 5-t-Butyl-m-xylene; AI3-02460; Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-; Benzene, 1,3-dimethyl-5-(1,1-dimethylethyl)-; Benz-ene, 5-t-butyl-1,3-dimethyl-; BRN 1853314; 1,3-Dimethyl-5-t-butylbenzene; EINECS 202-647-6; Lowinox® TBMX; NSC 11016; m-Xylene, 5-t-butyl-. Intermediate for perfumes and fragrances. Oil; mp = -18°; bp = 207°; λ_m = 331 nm (ε = 4230, MeOH); insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, $CHCl_3$. *Hall C.P.*

583 **Butyl zimate**
136-23-2 G H



$C_{18}H_{36}N_2S_4Zn$
Bis(N,N-dibutyldithiocarbamato)zinc.
Accel BZ; Aceto ZDBD; AI3-14880; Bis(dibutyl-dithiocarbamato)zinc; Bis(N,N-dibutyldithiocarb-amato)zinc; Butasan; Butazate; Butazate 50-D; Butyl zimate®; Butyl ziram;

Carbamic acid, dibutyldithio-, zinc complex; Carbamodithioic acid, dibutyl-, zinc salt; Dibutyldithiocarbamic acid zinc salt; EINECS 205-232-8; HSDB 2906; Nocceler BZ; NSC 36548; Octocure ZDB-50; Perkacit® ZDBC; Soxinol BZ; USAF GY-5; Vulcacure; Vulcacure ZB; Vulkacit ldb/C; Vulkacit LDB; Zimate, butyl; Zinc bis(dibutyldithiocarbamate); Zinc dibutyldithio-carbamate. Ultra accelerator for EPDM and natural and synthetic latexes; provides fast, flat cures in SBR, nitrile, and neoprene latexes; functions as nondiscoloring antioxidant in noncuring applications and stabilizer in IIR; antioxidant in thermoplastic rubbers and hot melts. Latex and rubber accelerator. An activator, antidegradant, and accelerator for natural rubber, butadiene, styrene-butadiene, nitrile-butadiene, butyl rubber, and ethylene-propylenediene terpolymers. *Akzo Chemie; Vanderbilt R.T. Co. Inc.*

584 **2-Butynediol**

110-65-6 G H

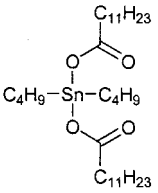
$C_4H_6O_2$

2-Butyne-1,4-diol.

4-01-00-02687 (Beilstein Handbook Reference); Agrisynth B3D; AI3-61467; Bis(hydroxymethyl)-acetylene; BRN 1071237; 2-Butin-1,4-diol; 1,4-Butinodiol; Butynediol; 2-Butynediol; Butynediol-1,4; But-2-yne-1,4-diol; 1,4-Butynediol; 2-Butyne-1,4-diol; 1,4-Dihydroxy-2-butyne; EINECS 203-788-6; HSDB 2004; NSC 834; UN2716. Corrosion inhibitor in acid pickles and cleaners. Platelets; mp = 50°; bp = 238°; d^{20} = 1.4804; very soluble in H_2O, EtOH, MeOH, Me_2CO; slightly soluble in $CHCl_3$, Et_2O, insoluble in C_6H_6, petroleum ether; LD_{50} (rat orl) = 105 mg/kg. *BASF Corp.; Intl. Specialty Products Inc. (ISP).*

585 **Butynorate**

77-58-7 3063 G



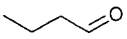
$C_{32}H_{64}O_4Sn$

Dibutyltin dillaurate.

AI3-26331; Bis(lauroyloxy)di(n-butyl)stannane; Butyn-orate; Cata-Chek 820; CCRIS 4786; Davainex; DBTL; Di-n-butyltin dilaurate; Dibutyl-tin-dilaurate; Dibutyl-zinn-dilaurat; Dibutylbis(1-oxododecyl)oxy)stannane; Dibutylbis(laurato)tin; Dibutylbis(lauroxy)stannane; Dibutylbis(lauroyloxy)tin; Dibutylstannium dilaurate; Dibutylstannylene dilaurate; Dibutyltin didodecanoate; Dibutyltin dilaurate; Dibutyltin laurate; Dibutyltin n-dodecanoate; DXR 81; EINECS 201-039-8; Fomrez sul-4; HSDB 5214; Kosmos 19; KS 20; Lankromark LT 173; Laudran di-n-butylcinicity; Lauric acid, dibutylstannylene salt; Lauric acid, dibutyltin deriv.; Laustan-B; Mark 1038; Mark BT 11; Mark BT 18; Neostann U 100; NSC 2607; Ongrostab BLTM; SM 2014C; Stabilizer D-22; Stanclere DBTL; Stannane, bis(dodecanoyloxy) di-n-butyl-; Stannane, bis(lauroyl-oxy)dibutyl-; Stannane, dibutylbis((1-oxododecyl)oxy)-; Stannane, dibutylbis(lauroyloxy)-; Stannane, dibutyl-bis(lauroyloxy)-; Stavincor 1200 SN; Stavinor 1200 SN; T 12; T 12 (catalyst); Therm chek 820; Thermolite T 12; Tin, di-n-butyl-, di(dodecanoate); Tin dibutyl dilaurate; Tin, dibutylbis(lauroyloxy)-; Tinostat; TN 12; TN 12 (catalyst); TVS Tin Lau; TVS-TL 700. Metal-based catalyst for PU flexible molded foam, coatings. Standard catalyst for PU elastomer applications; also for slabstock, semirigid, and rigid applications. PVC stabilizer providing good heat and weathering resistance; improves processability in rigid transparent formulation. Also used as an anthelmintic, against tapeworms in chickens. Solid; mp = 22-24°; d = 1.066; insolubie in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 175 mg/kg. *Air Prods & Chems; Air Products & Chemicals Inc.; Asahi Denka Kogyo; CK Witco Corp.; Elf Atochem N. Am.; Ferro/Bedford; La Littorale; Tosoh.*

586 **Butyraldehyde**

123-72-8 1591 G H



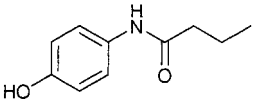
C_4H_8O

n-Butyraldehyde.

4-01-00-03229 (Beilstein Handbook Reference); AI3-24198; Aldehyde butyrique; Aldeide butirrica; BRN 0506061; Butal; Butaldehyde; Butalyde; Butanal; Butanaldehyde; Butylaldehyde; Butyral; Butyraldehyd; Butyraldehyde; Butyric aldehyde; CCRIS 3221; EINECS 204-646-6; FEMA Number 2219; HSDB 2798; NCI-C56291; NSC 62779; UN1129. Used in manufacture of plasticizers, rubber accelerators, solvents and high molecular weight polymers. Liquid; mp = -99°; bp = 74.8°; d^{20} ■ 0.8016; λ_m = 225, 283 nm (ε = 12, 13, H_2O); slightly soluble in $CHCl_3$, soluble in H_2O, soluble in Me_2CO, C_6H_6, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 5.89 g/kg. *Eastman Chem. Co.; Hoechst Celanese; Neste UK; Penta Mfg.; Union Carbide Corp.*

587 **4-Butyramidophenol**

101-91-7 4839 G



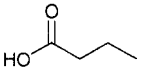
$C_{10}H_{13}NO_2$

N-Butyryl-p-aminophenol.

Butanamide, N-(4-hydroxyphenyl)-; 4-Butyramido-phenol; Butyranilide, 4'-hydroxy-; N-Butyroyl-p-aminophenol; N-Butyryl-p-aminophenol; p-(Butyryl-amino)phenol; p-Butyramidophenol; EINECS 202-988-0; 4'-Hydroxybutyranilide; NSC 166351; Suconox-4. Antioxidant and processing aid for thermoplastics. Needles; mp = 139.5°; very soluble in H_2O, EtOH. *Zeeland Chem. Inc.*

588 **Butyric acid**

107-92-6 1593 H



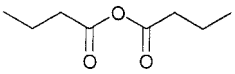
$C_4H_8O_2$

n-Butyric acid.

4-02-00-00779 (Beilstein Handbook Reference); AI3-15306; BRN 0906770; Butanic acid; Butanoic acid; Buttersaeure; Buttersäure; Butyrate; Butyric acid; 1-Butyric acid; n-Butyric acid; CCRIS 6552; EINECS 203-532-3; Ethylacetic acid; FEMA Number 2221; HSDB 940; Kyselina maselna; NSC 8415; 1-Propanecarboxylic acid; Propylformic acid; UN2820. Liquid; mp = -5.7°; bp = 163.7°; d^{20} = 0.9577; λ_m = 280 nm (ε = 50, H_2O); slightly soluble in CCl_4, freely soluble in H_2O, EtOH, Et_2O.

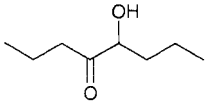
589 **Butyric anhydride**

106-31-0 1594 H



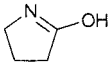
$C_8H_{14}O_3$
n-Butyric acid anhydride.
4-02-00-00802 (Beilstein Handbook Reference); Anhydrid kyseliny maselne; BRN 1099474; Butanoic acid, anhydride; Butanoic anhydride; Butyranhydrid; Butyric acid anhydride; Butyric anhydride; Butyryl oxide; Caswell No. 132A; EINECS 203-383-4; EPA Pesticide Chemical Code 077705; HSDB 5369; UN2739. Liquid; mp = -75°; bp = 200°; d^{20} = 0.9668; λ_m = 282 nm (ε = 126, C_6H_6); soluble in Et_2O, slightly soluble in CCl_4.

590 **Butyroin**
496-77-5 1595 G



$C_8H_{16}O_2$
5-Hydroxy-4-octanone.
AI3-05612; Butyroin; EINECS 207-830-4; FEMA No. 2587; 5-Hydroxyoctan-4-one; 5-Hydroxy-4-octanone; NSC 1479; Octan-4-ol-5-one; 5-Octanol-4-one; 4-Octanone, 5-hydroxy-. Chemical intermediate. Liquid; mp = -10°; bp = 185°; d^{16} = 0.9107.

591 **Butyrolactam**
616-45-5 8106 G H V

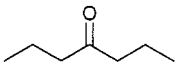


C_4H_7NO
2-Pyrrolidone.
4-Aminobutyric acid lactam; Butanoic acid, 4-amino-, lactam; Butyrolactam; EINECS 210-483-1; σ-Aminobutyric acid lactam; σ-Aminobutyric lactam; σ-Aminobutyrolactam; HSDB 2652; 2-Ketopyrrolidine; LAM; NSC 4593; NSC 8413; 2-Oxopyrrolidine; 2-Pyrol; α-Pyrrolidinone; 2-Pyrrolidinone; Pyrrolidon; Pyrrolidone; 2-Pyrrolidone. Solvent for polymers, pesticides and sugars. Used in printers inks and as a plasticizer and coalescing agent for floor polishes. Plasticizer and coalescing agent; solvent for veterinary medicine. Solid; mp = 25°; bp = 251°, bp_{12} = 133°; d^{20} = 1.120; λ_m = 190 nm (ε = 7079, H_2O); very soluble in H_2O, EtOH, Et_2O, C_6H_6, $CHCl_3$, CS_2. *Akzo Chemie; BASF Corp.; Intl. Specialty Products Inc. (ISP); UCB SA.*

592 **4-Butyrolactone**
96-48-0 1596 G H

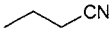
$C_4H_6O_2$
2(3H)-Furanone, dihydro-.
σ-6480; Agrisynth BLO; Agsol Ex BLO; AI3-28121; σ-BL; BLO; BLON; Butanoic acid, 4-hydroxy-, σ-lactone; Butyric acid, 4-hydroxy-, σ-lactone; Butyric acid lactone; Butyrolactone; σ-Butyrolactone; Butyryl-actone; C-1070; Caswell No. 132B; CCRIS 2924; Dihydro-2-furanone; Dihydro-2(3H)-furanone; EINECS 202-509-5; EPA Pesticide Chemical Code 122303; FEMA No. 3291; HSDB 4290; σ-Hydroxybutyric acid cyclic ester; σ-Hydroxybutyric acid lactone; σ-Hydroxybutyrolactone; NCI-C55878; No Go; NSC 4592; Tetrahydro-2-furanone. Solvent for PAN, PS, fluorinated hydrocarbons, cellulose triacetate, shellac; used in paint removers, petroleum processing, hectograph process, specialty inks; intermediate for aliphatic and cyclic compounds; reaction and diluent solvent for pesticides; used in dyeing of acetate, wetting agent for cellulose acetate films, fibers, solvent welding of plastic films in adhesive applications. Liquid; mp = -43.3°; bp = 204°; d^{16} = 1.1284; λ_m = 209 nm (ε = 43, MeOH); soluble in H_2O, Me_2CO, C_6H_6, Et_2O, EtOH; LD_{50} (rat orl) = 19.4 g/kg. *BASF Corp.; ISP; Janssen Chimica; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; UCB SA.*

593 **Butyrone**
123-19-3 3379 G



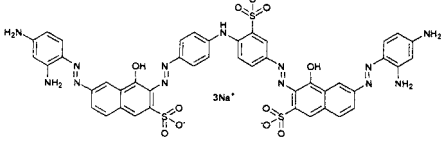
$C_7H_{14}O$
Di-n-propyl ketone.
4-01-00-03323 (Beilstein Handbook Reference); AI3-15181; BRN 1699049; Di-n-propyl ketone; Dipropyl ketone; EINECS 204-608-9; FEMA No. 2546; GBL; Heptan-4-one; 4-Heptanone; NSC 8692; Propyl ketone; UN2710. Solvent, chemical intermediate. Liquid; mp = -33°; bp = 144°; d^{20} = 0.8174; λ_m = 283 nm (ε = 25, MeOH), 274 nm (ε = 60, H_2O), 280 nm (ε = 24, EtOH), 283 nm (ε = 21, C_6H_{14}); insoluble in H_2O, soluble in CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 3.04 g/kg.

594 **Butyronitrile**
109-74-0 1597 G H



C_4H_7N
n-Butyronitrile.
4-02-00-00806 (Beilstein Handbook Reference); AI3-08778; BRN 1361452; Butane nitrile; Butanenitrile; Butyric acid nitrile; Butyronitrile; Butyrylonitrile; 1-Cyanopropane; EINECS 203-700-6; HSDB 5013; Nitrile c4; NSC 8412; Propyl cyanide; n-Propyl cyanide; Propylkyanid; UN2411. Basic material in industrial, chemical and pharmaceutical intermediates and products, poultry medicines. Liquid; mp = -111.9°; bp = 117.6°; d^{20} = 0.7936; slightly soluble in H_2O, CCl_4, soluble in C_6H_6, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 140 mg/kg. *Air Products & Chemicals Inc.; Eastman Chem. Co.; Janssen Chimica; Lonzagroup.*

595 **C.I. Direct Black 22**
6473-13-8 H



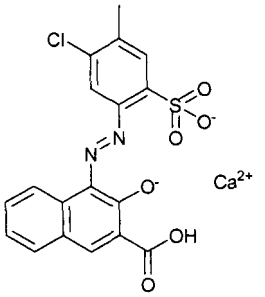
$C_{44}H_{32}N_{13}Na_3O_{11}S_3$
Trisodium 6-((2,4-diaminophenyl)azo)-3-((4-((4-((7-((2,4-diaminophenyl)azo)-1-hydroxy-3-sulphonato-2-naphthyl)azo)phenyl)amino)-3-sulphonatophenyl)azo)-4-hydroxynaphthalene-2-sulphonate.
CCRIS 1390; C.I. Direct Black 22; EINECS 229-326-3; 2-Naphthalenesulfonic acid, 6-((2,4-diaminophenyl)-azo)-3-((4-((4-((7-((2,4-diaminophenyl)azo)-1-hydroxy-3-sulfo-2-naphthalenyl)azo)phenyl)amino)-3-sulfo-phenyl)azo)-4-hydroxy-,

trisodium salt; Trisodium 6-((2,4-diaminophenyl)azo)-3-((4-((4-((7-((2,4-diamino-phenyl)azo)-1-hydroxy-3-sulphonato-2-naphthyl)azo)-phenyl)amino)-3-sulphonatophenyl)azo)-4-hydroxy-naphthalene-2-sulphonate.

596 **C.I. Pigment Green 51**
68553-01-5 H

Victoria green garnet.
C.I. Pigment Green 51; EINECS 271-385-2; Victoria green garnet.

597 **C.I. Pigment Red 48, calcium salt**
7023-61-2 H

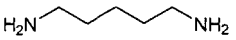


$C_{18}H_{11}CaClN_2O_6S$
Calcium 4-((5-chloro-4-methyl-2-sulphonatophenyl)-azo)-3-hydroxy-2-naphthoate.
4-((5-Chloro-2-sulfo-p-tolyl)azo)-3-hydroxy-2-naphthalenecarboxylicacid, calcium salt (1:1); EINECS 230-303-5.

598 **Cacodyl**
471-35-2 1603 G

$C_4H_{12}As_2$
Tetramethyldiarsine.
Alkarsin; Cacodyl; Diarsine, tetramethyl-; EINECS 207-440-4; Tetramethyldiarsenic; Tetramethyldiarsine. Chemical intermediate. Platelets; mp = -6°; bp = 165°; d^{15} = 1.447; slightly soluble in H_2O, very soluble in EtOH, Et_2O.

599 **Cadaverine**
462-94-2 1609 G

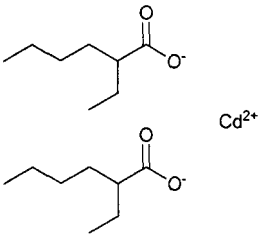


$C_5H_{14}N_2$
Pentamethylenediamine.
4-04-00-01310 (Beilstein Handbook Reference); AI3-26937; Animal coniine; BRN 1697256; Cadaverin; Cadaverine; Cadaverine; Cadaverine; 1,5-Diamino-pentane; EINECS 207-329-0; Pentamethylenediamine; 1,5-Pentamethylenediamine; 1,5-Pentanediamine. A base found in ergot and formed by bacterial decomposition of human and animal tissues; used in the preparation of high polymers and in biomedical research. Oil; mp = 9°; bp = 179°; d^{25} = 0.873; pKa_1 = 10.25, pKa_2 = 9.13; soluble in H_2O, EtOH, slightly soluble in Et_2O.

600 **Cadmium chloride**
10108-64-2 1617 G P

$CdCl_2$
Cadmium(II) chloride.
AI3-09096; Caddy; Cadmium chloride; Cadmium chloride ($CdCl_2$); Cadmium dichloride; Caswell No. 135; CCRIS 114; Dichlorocadmium; EINECS 233-296-7; EPA Pesticide Chemical Code 012902; HSDB 278; Kadmiumchlorid; NSC 51148; VI-Cad. Used in photography, dyeing and printing and as a fungicide. Preparation of cadmium sulfide, analytical chemistry, photography, dyeing and calco printing, in electroplating baths and tinning solutions, manufacture of special mirrors, cadmium yellow. Registered by EPA as a fungicide (cancelled). Hygroscopic rhombohedral crystals; mp = 568°; bp = 960°; d = 4.05; freely soluble in H_2O, soluble in Me_2CO, slightly soluble in MeOH, EtOH, insoluble in Et_2O; LD_{50} (rat orl) = 88 mg/kg. *Cleary W. A.; Fluka.*

601 **Cadmium 2-ethylhexanoate**
2420-98-6 H

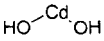


$C_{16}H_{30}CdO_4$
Cadmium 2-ethylhexanoate.
Cadmium 2-ethylhexanoate; Cadmium 2-ethylhexoate; Cadmium bis(2-ethylhexanoate); Cadmium di-2-ethylhexylate; Cadmium ethylhexanoate; EINECS 219-346-0; Hexanoic acid, 2-ethyl-, cadmium salt; HSDB 6140.

602 **Cadmium fluoride**
7790-79-6 1619 G

CdF_2
Hydrofluoric acid cadmium salt.
Cadmium difluoride; Cadmium fluoride; Cadmium fluoride (CdF_2); Cadmium fluorure; EINECS 232-222-0. Used in electronic and optical applications, high-temperature dry-film lubricants, starting material for crystals for lasers, phosphors. mp = 1049°; bp = 1748°; d = 6.33; soluble in H_2O 4.3 g/100ml; soluble in HF, mineral acids, insoluble in EtOH, NH_3. *Atomergic Chemetals; Cerac; Noah Chem.*

603 **Cadmium hydroxide**
21041-95-2 1620 G



$Cd(OH)_2$
Cadmium hydrate.
AI3-09097; Cadmium dihydroxide; Cadmium hydroxide; Cadmium hydroxide ($Cd(OH)_2$); EINECS 244-168-5. Used in preparation of cadmium salts, in cadmium plating and storage-battery electrodes. Trigonal or hexagonal crystals; d = 4.79; dec <200°; insoluble in H_2O, slightly soluble in alkali, acid. *Noah Chem.*

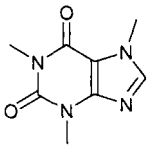
604 **Cadmium iodide**
7790-80-9 1621 G

CdI_2
Hydriodic acid cadmium salt.
AI3-02411; Cadmium diiodide; Cadmium iodide; Cadmium iodide (CdI_2); EINECS 232-223-6. Used in photography, process engraving and lithography, analytical chemistry, electroplating, lubricants, phosphors, nematocide. mp = 388°; bp = 787°; d = 5.67; soluble in H_2O, Et_2O, EtOH, Me_2CO. *Atomergic Chemetals; Cerac; Spectrum Chem. Manufacturing.*

605 **Cadmium oxide**
1306-19-0 1623 G

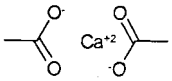
CdO
Cadmium oxide brown.
Aska-Rid; Cadmium fume; Cadmium monoxide; Cadmium oxide; Cadmium oxide (CdO); Caswell No. 136AA; CCRIS 115; EINECS 215-146-2; EPA Pesticide Chemical Code 236200; HSDB 1613; Kadmu tlenek; NCI-C02551. Used in cadmium plating baths, electrodes for storage batteries, cadmium salts, catalyst, ceramic glazes, phosphors, nematocide. Dark brown heavy powder; d = 8.15; insoluble in H_2O, soluble in acids, ammonium salts; LD_{50} (rat orl) = 72 mg/kg. *Amax; Asarco; Atomergic Chemetals; Chemisphere; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

606 **Caffeine**
58-08-2 1636 D H V



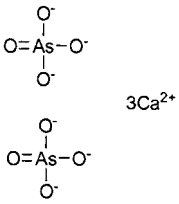
$C_8H_{10}N_4O_2$
3,7-Dihydro-1,3,7-trimethyl-1H-purine-2,6-dione.
5-26-13-00558 (Beilstein Handbook Reference); A.S.A. and Codeine Compound; AI3-20154; Alert-pep; Anacin; Anacin Maximum Strength; Anhydrous caffeine; Bayer Select Headache Pain; BRN 0017705; Cafamil; Cafecon; Cafeina; Cafergot; Caffedrine; Caffein; Caffeina; Caffeine; Caffine; Cafipel; CCRIS 1314; Coffein; Coffeine; Coffeinum; Dasin; Dexitac; DHCplus; EINECS 200-362-1; Eldiatric C; FEMA No. 2224; Guaranine; HSDB 36; Hycomine Compound; Kofein; Koffein; Mateina; Methyltheobromide; Methyltheobromine; Methylxanthine theophylline; Midol Maximum Strength; NCI-C02733; Nix Nap; NO-Doz; Nodaca; Norgesic; NSC 5036; Organex; P-A-C Analgesic Tablets; Phensal; Propoxyphene Compound 65; Quick-Pep; Refresh'N; SK-65 Compound; Stim; Synalgos; Synalgos-DC; Thein; Theine; Theobromine, 1-methyl-; Theophylline, 7-methyl; Tirend; Vanquish; Vivarin; Wigraine; Xanthine, 1,3,7-trimethyl. Occurs naturally in tea, coffee. A CNS and respiratory stimulant, used in veterinary medicine as a stimulant. Crystals; mp = 238°; d = 1.23; λ_m = 272 nm (ε 8510 MeOH); soluble in H_2O, EtOH, Me_2CO, $CHCl_3$, AcOH, C_5H_5N, CS_2; LD_{50} (mmus orl) = 127 mg/kg, (fmus orl) = 137 mg/kg, (mrat orl) = 355 mg/kg, (frat orl) = 247 mg/kg, (mrbt orl) = 246 mg/kg, (frbt orl) = 224 mg/kg.

607 **Calcium acetate**
62-54-4 1645 G H



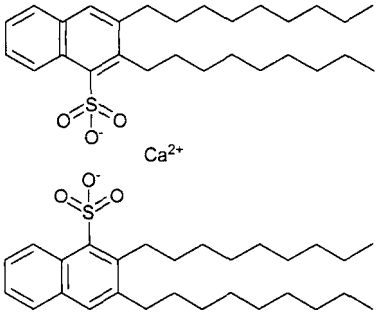
$C_4H_8CaO_4$
Acetic acid, calcium salt.
Acetate of lime; Acetic acid, calcium salt; AI3-02903; Brown acetate; Brown Acetate of Lime; Calcium acetate; Calcium diacetate; CCRIS 4921; EINECS 200-540-9; FEMA No. 2228; Gray acetate; Gray Acetate of Lime; HSDB 928; Lime acetate; Lime pyrolignite; PhosLo; Sorbo-calcion; Teltozan; Vinegar salts. Used in manufacture of acetic acid, acetone; in tanning, as food stabilizer, corrosion inhibitor. Used as a mordant in dyeing and printing of textiles, a stabilizer in resins, an additive to calcium soap lubricants, a food additive and a corrosion inhibitor. Solid; dec 160°; d = 1.50; soluble in H_2O, slightly soluble in MeOH, insoluble in EtOH, Me_2CO, C_6H_6; LD_{50} (rat orl) = 4280 mg/kg. *General Chem; Mallinckrodt Inc.; Mechema Chemicals Ltd.; Niacet; Verdugt BV.*

608 **Calcium arsenate**
7778-44-1 1648 G P



$As_2Ca_3O_8$
Calcium(II) arsenate.
AI3-24838; Arseniate de calcium (French); Arsenic acid (H_3AsO_4), calcium salt (2:3); Arsenic acid, calcium slt (2:3); Calcium arsenate; Calcium-o-arsenate; Calcium orthoarsenate; Chip-Cal Granular; Cucumber dust; EINECS 233-287-8; HSDB 1433; Kalziumarseniat; Pencal; Spra-cal; Tricalcium arsenate; Calcars. Used as insecticide and molluscicide. Registered by EPA as a fungicide, herbicide and insecticide (cancelled). Solid; slightly soluble in H_2O and dilute acids; LD_{50} (rat orl) = 298 mg/kg. *Mechema Chemicals Ltd.*

609 **Calcium bis(dinonylnaphthalene-sulfonate)**
57855-77-3 H

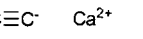


$C_{56}H_{86}CaO_6S_2$
Dinonylnaphthalenesulfonic acid, calcium salt.
Calcium bis(dinonylnaphthalenesulphonate); Dinonylnaphthalenesulfonic acid, calcium salt; EINECS 260-991-2; Naphthalenesulfonic acid, dinonyl-, calcium salt. -

610 **Calcium borate**
12007-56-6 1652 G

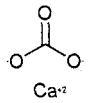
CaB_4O_7
Calcium tetraborate.
Boric acid ($H_2B_4O_7$), calcium salt (1:1); Boron calcium oxide (B_4CaO_7); Boron calcium oxide; Calcium borate; EINECS 234-511-7; Meyerhofferite. An artificially prepared mineral. Used as a flux, in antifreeze preparations and in fire retardant paint. Slightly soluble in H_2O. -

611 **Calcium carbide**
75-20-7 1657 G H



C_2Ca
Calcium acetylide.
Acetylenogen; AI3-03101; Calcium acetylide; Calcium acetylide ($Ca(C_2)$); Calcium carbide; Calcium carbide (CaC_2); Calcium dicarbide; Carbure de calcium; Carburo calcico; EINECS 200-848-3; Ethyne, calcium deriv.; HSDB 1434; UN1402. Used in generation of acetylene gas for welding, chloroethylenes, vinyl acetate monomer, acetylene chemicals, reducing agent. mp ◘ 2300°; d = 2.22; soluble in H_2O, MeOH, EtOH, slightly soluble in Me_2CO, insoluble in $CHCl_3$, Et_2O. *Spectrum Chem. Manufacturing.*

612 **Calcium carbonate**
471-34-1 1658 D G

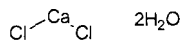


$CCaO_3$
Carbonic acid calcium salt (1:1).
Aeromatt; Akadama; Albacar; Albacar 5970; Albafil; Albaglos; Albaglos SF; Allied whiting; Atomit; Atomite; AX 363; BF 200; Brilliant 15; Brilliant 1500; Britomya M; Britomya S; C.I. 77220; C.I. Pigment White 18; Cal-Light SA; Cal-Sup; Calcene CO; Calcene NC; Calcene TM; Calcicoll; Calcidar 40; Calcilit 100; Calcilit 8; Calcitrel; Calcium carbonate; Calcium carbonate, precipitated; Calcium carbonate slurry; Calcium monocarbonate; Calibrite; Calmos; Calmote; Calofil A 4; Calofil B 1; Calofil E 2; Calofor U 50; Calofort® S; Calofort® T; Calofort® U; Calopake® F; Calopake® FS; Calopake® H; Calopake® high opacity; Calopake® PC; Calseeds; Caltec; Caltrate; Calwhite; Camalox; Camel-CAL®; Camel-CARB®; Camel-FIL; Camel-FINE; Camel-tex; Camel-wite; Carbital® 50; Carbital® 90; Carbium; Carbium MM; Carbonic acid calcium salt (1:1); Carbonic acid, calcium salt (1:1); Carborex 2; Carusis P; Caswell No. 139; CCC G-white; CCC No.AA oolitic; CCR; CCRIS 1333; CCW; Chemcarb; Chooz; CI 77220; Clefnon; CP Filler; Crystic prefil S; Dacote; Di-Gel Tablets; DOMAR; Duramite; Durcal 10; Durcal 2NH; Durcal 40; Durcal C 640305; EGRI M 5; EINECS 207-439-9; EPA Pesticide Chemical Code 073502; Eskalon 100; Eskalon 1500; Eskalon 200; Eskalon 400; Eskalon 800; Filtex White Base; Finncarb 6002; Garolite SA; Gilder's whiting; Hakuenka CC; Hakuenka CCR; Hakuenka DD; Hakuenka O; Hakuenka PX; Hakuenka PZ; Hakuenka R 06; Hakuenka T-DD; Homocal D; HSDB 927; Hydrocarb; Hydrocarb 60; Hydrocarb 65; K 250; Kalvan; Kotamite®; Kredafil 150 Extra; Kredafil RM 5; KS 1300; KS 1500; KS 1800; KS 2100; KS 500; KULU 40; Levigated chalk; Marble white; Marblewhite 325; Marfil; MC-T; Microcarb; Micromic CR 16; Micromya; Microwhite 25; Mild lime; Monocalcium carbonate; MSK-C; MSK-G; MSK-K; MSK-P; MSK-PO; MSK-V; Multifex MM; Multiflex MM; Multiflex SC; Mylanta Gelcaps; Mylanta Soothing Lozenges; N 34; N 43; NCC 45; NCC-P; Neoanticid; Neolite F; Neolite SP; Neolite TPS; Non-Fer-Al; NS; NS 100; NS 200; NS 2500; NS 400; P-Lite 500; P-Lite 700; Pigment white 18; Precipitated calcium carbonate; Precipitated chalk; R Jutan; Sandscale; Statuary marble; Strucal®; T 130-2500; Titralac; Tylenol Headache Plus.; component of: Bufferin Arthritis Strength, Bufferin Extra Strength, Bufferin Regular, Calcitrel, Camalox, Di-Gel Tablets, Mylanta Gelcaps, Mylanta Tablets, Titralac, Tylenol Headache Plus. Used for sealants, plastics, rubber, as a filler in paper, water-based paint, inks and PVC pipe, putty, caulk, ceramics, adhesives, linoleum; floor tile, textile coatings. Fine, wet-ground filling pigment offering excellent retention in the sheet, excellent optical properties; also for matte or dull; offers easy dispersion in plastic compounds, e.g., polyolefins, rigid and flexible PVC; for wire and cable insulation compounds, improved impact properties in PP. Used in rubber to give wear resistance. Marble, with a crystalline or saccharoid structure. Used medically as a calcium replenisher, antacid and dentrifice. White solid; mp = 825°, 1339° (102.5 atm); $d_{25.2}$ = 2.711; insoluble in H_2O. *3M Pharm.; Bristol-Myers Squibb HIV Products; ECC Intl.; Genstar Stone Prods.; Johnson & Johnson-Merck Consumer Pharm.; McNeil Consumer Products Co.; Rhône-Poulenc Rorer Pharm. Inc.; Rhône-Poulenc; Schering-Plough Pharm.; Sterling Winthrop Inc.*

613 **Calcium carbonate**
1317-65-3 G

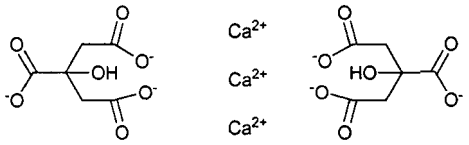
$CCaO_3$
Calcium(II) carbonate.
Agricultural limestone; Agstone; Bell mine pulverized limestone; Calcichew; Calcidia; Calcium carbonate; Chalk; Citrical; Domolite; EINECS 215-279-6; Franklin; Ground limestone; Limestone; Lithograpic stone; Marble; Marble dust; Natural calcium carbonate; Portland stone; Sohnhofen stone; Aragonite; Aeromatt; Albacar; Purecal; Chalk; English White; Paris White; Carbonic acid, calcium salt; precipitated calcium carbonate, commercial form; prepared calcium carbonate, native purified form. Source of lime; neutralizing agent; opacifying agent in paper; fortification of bread; putty; tooth powders.Used in medicine, polishing powders, silicate cement. Building stone, metallurgy (flux), manufacture of lime; source of CO_2; Portland and natural cement; removal of sulfur dioxide from stack gases and sulfur from coal. Crystalline solid; mp = 825° (dec); d = 2.83; insoluble in H_2O, soluble in dilute acids. *BASF Corp.; ECC Intl.; EM Ind. Inc.; Genstar Stone Prods.; Georgia Marble; Huber J. M.; Mallinckrodt Inc.; Nichia Kagaku Kogyo; Pfizer Inc.; Whittaker Clark & Daniels.*

614 **Calcium chloride**
10043-52-4 1660 D G P



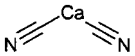
$CaCl_2.2H_2O$
Hydrochloric acid calcium salt.
AI3-02239; Anhydrous calcium chloride; Calcium chloride; Calcium chloride anhydrous; Calcium chloride, dihydrate; Calcium chloride solution; Calcium dichloride; Calcosan; Caloride; Calplus; Caltac; CCRIS 1334; Dowflake; EINECS 233-140-8; HSDB 923; Intergravin-orales; Liquidow; Peladow; Snomelt; Superflake anhydrous; Uramine MC. Inorganic salt; deicing and dust control of roads, drilling muds, dustproofing, freezeproofing, and thawing coal, coke, stone, sand, ore, concrete conditioning; drying and desiccating agent; sequestrant in foods. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and molluscicide (cancelled). Calcium replenisher. Solid; mp = 772°; bp > 1600°; d_4^{15} = 2.152; freely soluble in H_2O (exothermic), EtOH; LD_{50} (mus iv) = 42.2 mg/kg. *Akzo Chemie; Allied Signal; EM Ind. Inc.; Gist-Brocades Intl.; Jarchem.; Kemira Kemi UK; Mallinckrodt Inc.; Nichia Kagaku Kogyo; OxyChem; Schaeffer Salt & Chem.*

615 **Calcium citrate**
813-94-5 1662 G



$C_{12}H_{10}Ca_3O_{14} \cdot 4H_2O$
2-Hydroxy-1,2,3-propanetricarboxylic acid, calcium salt (2:3).
Acicontral; Calcium citrate; Calcium citrate, tribasic; Calcium 2-hydroxy-1,2,3-propanetricarboxylate (3:2); Citracal; Citric acid, calcium salt (2:3); Citrical; EINECS 212-391-7; HSDB 5756; 2-Hydroxy-1,2,3-propanetricarboxylic acid calcium salt (2:3); Lime cirate; 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, calcium salt (2:3); Tribasic calcium citrate; Tricalcium dicitrate. Dietary supplement, sequestrant, buffer, and firming agent in foods. Crystals; soluble in H_2O (0.095 g/100 ml 20°), insoluble in EtOH. *EM Ind. Inc.; Rit-Chem; Rottapharm SpA.*

616 **Calcium cyanide**
592-01-8 1665 G

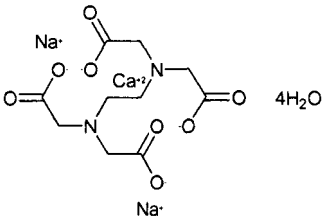


C_2CaN_2
Hydrocyanic acid calcium salt.
3-02-00-00061 (Beilstein Handbook Reference); BRN 3926685; Calcid; Calcium cyanide; Calcium cyanide ($Ca(CN)_2$); Calcyan; Calcyanide; Caswell No. 142; Cyanide of calcium; Cyanide salts; Cyanogas; Cyanolime; Cyanure de calcium; Degesch Calcium Cyanide A-Dust; EINECS 209-740-0; EPA Pesticide Chemical Code 074001; HSDB 242; NSC 74784; RCRA waste number P021; UN1575. Dissolves in H_2O liberating HCN. Used as a source of HCN to exterminate rodents. Fumigant and rodenticide. Also used in stainless steel manufacture and extraction of precious metals. Soluble in H_2O (liberates HCN), EtOH; LD_{50} (rat orl) = 39 mg/kg. *Am. Cyanamid; Mechema Chemicals Ltd.*

617 **Calcium dioxide**
1305-79-9 1694 D G

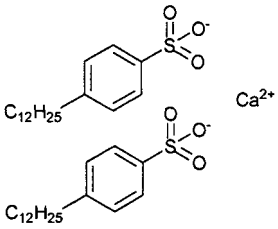
CaO_2
Calcium peroxide.
Calcium peroxide; Calcium peroxide ($Ca(O_2)$); Calper; Calper G; EINECS 215-139-4; HSDB 965; Oxy-Gro; UN1457. For agricultural and horticultural uses. Use as a rubber stabilizer and as an antiseptic. White solid; slightly soluble in H_2O. *Solvay Interox Inc.*

618 **Calcium disodium edetate**
62-33-9 3542 G



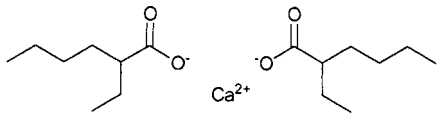
$C_{10}H_{12}CaN_2Na_2O_8$
Calcium disodium ethylenediamine tetraacetate.
Acetic acid, (ethylenedinitrilo)tetra-, calcium disodium salt; Adsorbonac; Antalin; Antallin; Calciate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium; Calci-edetate de sodium; Calcioedetato sodico; Calcitetracemate disodium; Calcium disodium (ethylenedinitrilo)tetraacetate; Calcium disodium edathamil; Calcium disodium EDTA; Calcium disodium versenate; Calcium edetate de sodium; Calcium-EDTA; Calcium sodium EDTA; Calcium titriplex; CCRIS 3657; Chelaton; Dinatrium calcium edeticum; Disodium ((ethylenedinitrilo)tetra-acetato)calciate; Disodium calcium EDTA; Disodium calcium ethylenediaminetetraacetate; Disodium monocalcium EDTA; Edathamil calcium disodium; Edetamin; Edetamine; Edetate calcium; Edetate calcium disodium; Edetato sodico calcico; Edetic acid calcium disodium salt; Edta-calcium sodium; Edtacal; Edta,calcium disodium; EINECS 200-529-9; Ethylene diamine tetraacetic acid, disodium calcium salt; Glycine, N,N'-1,2-ethanediylbis(N-(carboxymethyl)-, calcium sodium salt (1:1:2); HSDB 4072; Ledclair; Monocalcium disodium EDTA; Mosatil; Natrii calcii edetas; NSC 310151; Rikelate calcium; Sodium (calciedetate de); Sodium calcium edetate; Sormetal; Tetacin; Tetacin-calcium; Tetazine; Versene; Versene CA.; calcium disodium (ethylenedinitrilo)tetraacetate; calcium disodium ethylenediamine tetraacetate; EDTA calcium; edathamil calcium disodium; calcium disodium edetate; edetic acid calcium disodium salt; sodium calciumedetate; Calcitetracemate Disodium; Calcium Disodium Versenate; Ledclair; Mosatil; Antallin; Sormetal. Chelating agent. Used to sequester lead, which displaces the calcium in the compound. Soluble in H_2O, insoluble in organic solvents. *Dow Europe; Dow UK.*

619 **Calcium dodecylbenzenesulfonate**
26264-06-2 H



$C_{36}H_{58}CaO_6S_2$
Dodecylbenzenesulfonic acid calcium salt.
1371A; Benzenesulfonic acid, dodecyl-, calcium salt; Calcium alkylbenzenesulfonate; Calcium bis(dodecyl-benzenesulfonate); Calcium dodecylbenzenesulfonate; Calcium dodecylbenzenesulphonate; Casul 70HF; Dodecylbenzenesulfonic acid calcium salt; EINECS 247-557-8; HSDB 996; Sinnozon NCX 70; Soprofor S 70; Wettol EM 1.

620 **Calcium 2-ethylhexanoate**
136-51-6 H



$C_{16}H_{30}CaO_4$

Calcium bis(2-ethylhexanoate).

Calcium 2-ethylhexanoate; Calcium bis(2-ethyl-hexanoate); EINECS 205-249-0; Hexanoic acid, 2-ethyl-, calcium salt.

621 Calcium fluoride

7789-75-5 1669 G

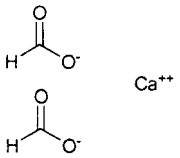
CaF_2

Hydrofluoric acid calcium salt.

Acid-spar; AI3-01166; Calcium difluoride; Calcium fluoride; Calcium fluoride (CaF_2); EINECS 232-188-7; Fluorite; Fluorspar; HSDB 995; Irtran 3; Liparite; Met-spar; Natural fluorite. Source of fluorine, flux, ceramics, phosphors, paint pigment, catalyst in wood preservative, spectroscopy, electronics, lasers, high-temperature dry-film lubricants. Solid; mp = 1403°; bp = 2500°; d = 3.18; insoluble in H_2O; LD_{50} (gpg orl) > 5 g/kg. *Cerac; GE Silicones; Noah Chem.; Solvay Deutschland GmbH.*

622 Calcium formate

544-17-2 1670 G H



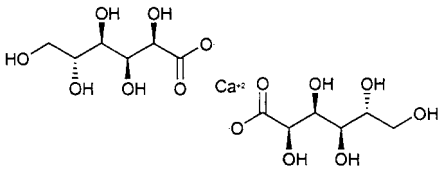
$C_2H_4CaO_4$

Formic acid, calcium salt.

Calcium diformate; Calcium formate; Calcium formate ($Ca(HCO_2)_2$); Calcoform; EINECS 208-863-7; Formic acid, calcium salt; HSDB 5019; Latibon®; Mravencan vapenaty. As feed additive and as silage additive; binder for fine-ore briquets. Crystalline powder; d = 2.02; soluble in H_2O; insoluble in EtOH. *Bayer AG.*

623 Calcium gluconate

299-28-5 1671 D G



$C_{12}H_{22}CaO_{14}$

Calcium D-gluconate.

Calcet; Calcicol; Calciofon; Calcipur; Calcium gluconate; Calcium hexagluconate; Calglucol; Calglucon; CCRIS 1336; Dragocal; Ebucin; EINECS 206-075-8; Glucal; Glucobiogen; Gluconate de calcium; Gluconato di calcio; Gluconic acid, calcium salt; Gluconic acid, calcium salt (2:1), D-; D-Gluconic acid, calcium salt (2:1); HSDB 994; Kalpren; Neo-Calglucon; Novocal. Calcium replenisher. Used in sewage purification and in coffee powders as an anticaking agent. $[\alpha]_D^{20}$= 10° (c = 1 H_2O); soluble in H_2O (3.3 g/100 ml at 20°, 20 g/100 ml at 100°), insoluble in organic solvents. *Astra Chem. Ltd.; Mission Pharmacal Co.; Parke-Davis; Sandoz Pharm. Corp.*

624 Calcium hydride

7789-78-8 1674 G

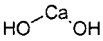
CaH_2

Calcium hydride.

Calcium dihydride; Calcium hydride; Calcium hydride (CaH_2); EINECS 232-189-2; Hydrolete. Reacts with water to produce hydrogen. Powerful reducing agent, used to prepare rare metals from their oxides, as a drying agent or as a source of hydrogen. Solid; mp = 816°; d= 1.900.

625 Calcium hydroxide

1305-62-0 1675 D G



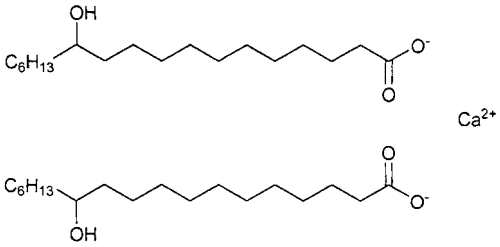
CaH_2O_2

Calcium hydrate.

AI3-02602; Bell mine; Biocalc; Calbit; Calcium dihydroxide; Calcium hydrate; Calcium hydroxide; Calcium hydroxide ($Ca(OH)_2$); Calcium hydroxide slurry; Caldic 1000; Calvit; Carboxide; Caswell No. 144; Edelwit; EINECS 215-137-3; EPA Pesticide Chemical Code 075601; HSDB 919; Hydralime; Hydrated lime; Kalkhydrate; Kemikal; Kentoku K 100; Limbux; Lime hydrate; Lime milk; Lime water; Milk of lime; NICC 3000; Rhenofit CF; Sa 074; Slaked lime; Super Microstar; Trulime; Yukijirushisakanyo. Inorganic base; mortar, plaster, cements, calcium salts, disinfectant, food additives, lubricants, pesticides, manufacture of paper pulp, in SBR vulcanization. Used in chemical industries, drinking water treatment, waste water treatment. Hydrated lime, used for horticulture/agriculture, alkalinity, building industry, civil engineering (soil stabilization and soil modification), leather processing, organic and inorganic chemicals, petrochemicals, plasterwork, sewage and water treatment. White powder; d = 2.08-2.34; slightly soluble in H_2O; LD_{50} (rat orl) = 7.34 g/kg. *EM Ind. Inc.; Janssen Chimica; Mallinckrodt Inc.; Pfizer Inc.; U.S. Gypsum.*

626 Calcium 12-hydroxystearate

3159-62-4 H



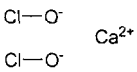
$C_{36}H_{70}CaO_6$

12-Hydroxy-n-octadecanoic acid, calcium salt.

Calcium(2+) 12-hydroxyoctadecanoate; EINECS 221-605-8; Octadecanoic acid, 12-hydroxy-, calcium salt (2:1).

627 Calcium hypochlorite

7778-54-3 1676 G P



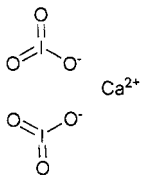
$CaCl_2O_2$

Hypochlorous Acid, Calcium Salt.

B-K powder; Bleaching powder; Calcium chlorohydrochlorite; Calcium chlorohypochloride; Calcium hypochloride; Calcium hypochlorite; Calcium oxychloride; Caporit; Caswell No. 145; CCH; Chemichlon G; Chemichlor G; Chloride of lime; Chlorinated lime; Chlorine of lime; Chlorolime chemical; EINECS 231-908-7; EPA Pesticide Chemical Code 014701; Hipoclorito calcico; HSDB 914; HTH; HTH (bleaching agent); HY-Chlor; Hypochlorite de calcium; Hypochlorous acid, calcium salt; Induchlor; Lime chloride; LO-Bax; Losantin; NSC 21546; Pittabs; Pittchlor; Pittcide; Pittclor; Prestochlor; Repak; Sentry; Solvox KS; T-Eusol; UN 1748; Chemichlor G; Chloride of lime; Chlorinated lime; Chlorine of lime; Chiorolime chemical; EPA Pesticide Chemical Code 014701; Hipoclorito calcico; HSDB 914; HTH; HTH (bleaching agent); HY-Chlor; Hypochlorite de calcium; Hypochlorous acid, calcium salt; Lime chloride; LO-Bax; Losantin; NSC 21546; Perchloron; Pittchlor; Pittcide; Pittclor; Sentry; Solvox KS; T-Eusol; UN1748. Algicide, bactericide, deodorant, potable water purification, disinfectant for pools, bleaching agent, oxidizing agent; commercial grade usually 50% or more $Ca(OCl)_2$. Used as an algicide. Registered by EPA as an antimicrobial and fungicide. Commercial product is typically <70% $Ca(OCl)_2$ and usually contains impurities of $CaCl_2$, $CaCO_3$, $Ca(OH)_2$ and $Ca(ClO_4)_2$. *Alliance Packaging Inc; Arch Chemicals Inc; Jonas; Nippon Soda Co. Ltd.; Nissho Iwai American Corp.; Olin Corp; PPG Ind.; Qualco Inc.*

628 Calcium iodate

7789-80-2 1678 D G



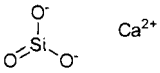
CaI_2O_6

Iodic acid calcium salt.

Autarite; Calcium iodate; Calcium iodate ($Ca(IO_3)_2$); EINECS 232-191-3; HSDB 986; Iodic acid, calcium salt; Iodic acid (HIO_3), calcium salt; Lautarite. Used in deodorants, mouthwashes, food additives and as a dough conditioner. Antiseptic and nutritional source of iodine in foods and feedstuffs. Crystals; mp = 740°; bp = 1100°; stable below 540°; d_4^{14} = 4.519; sensitive to reducing agents; slightly soluble in H_2O; more soluble in aqueous solutions of iodides and amino acids; soluble in nitric acid; insoluble in alcohol. *Atomergic Chemetals; Blythe, Williams Ltd.; Greeff R.W. & Co.; Mitsui Toatsu; Spectrum Chem. Manufacturing.*

629 Calcium metasilicate

10101-39-0 1707 G P



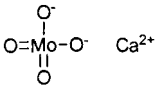
CaO_3Si

Calcium metasilicate.

Baysical K; β-Calcium silicate; C.I. 77230; C.I. Pigment White 28; Calcium metasilicate; Calcium silicate; Calcium silicon oxide; CS (cement component); EINECS 233-250-6; Florite; Kemolit ASB 8 K; Microcal; Okenite; Pigment White 28; Silasorb; Silicic acid (H_2SiO_3), calcium salt (1:1). Used as a filler and in building materials. An adsorbent used to control free fatty acids. Registered by EPA as an antimicrobial, fungicide and insecticide (cancelled). FDA GRAS (limited to 2% in table salt, 5% in baking powder), Europe listed, UK approved. USP/NF compliance. FDA approved for orals. Used as a filler, glidant and anti-caking agent in orals and as an antacid. Insoluble in H_2O, forms gel with mineral acids; d = 2.10 (15-16 lb/ft^3); pH 8.4 - 10.2. Nontoxic orally. *Celite; Crosfield; Degussa Ltd.; Great Western; Huber J. M.; Kraft; Vanderbilt R.T. Co. Inc.*

630 Calcium molybdate

7789-82-4 1686 G



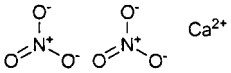
$CaMoO_4$

Molybdic acid calcium salt.

Calcium molybdate; Calcium molybdate(VI); Calcium molybdenum oxide ($CaMoO_4$); EINECS 232-192-9; Molybdate (MoO_4^{2-}), calcium (1:1); Molybdate, calcium; Molybdic acid (H_2MoO_4), calcium salt (1:1). Alloying agent in production of iron and steel, crystals in optical and electronic applications, phosphors. Solid; d = 4.350; insoluble in H_2O, alcohols, soluble in concentrated mineral acids. *AAA Molybdenum; Atomergic Chemetals; Cerac; Noah Chem.*

631 Calcium nitrate

10124-37-5 1687 G



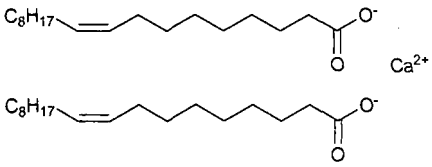
CaN_2O_6

Nitric acid calcium salt.

Calcium dinitrate; Calcium nitrate; Calcium saltpeter; Calcium(II) nitrate (1:2); EINECS 233-332-1; HSDB 967; Lime nitrate; Lime saltpeter; Nitric acid, calcium salt; Nitrocalcite; Norge saltpeter; Norway saltpeter; Norwegian saltpeter; Saltpeter; Synfat 1006; UN1454; Wall saltpeter. Usually crystallizes as the tetrahydrate [13477-34-4] or the trihydrate [15842-29-2]. Used to support combustion in matches, explosives, as a fertilizer and corrosion inhibitor. Solid; mp = 560°; very soluble in H_2O, MeOH, EtOH, Me_2CO, insoluble in other organic solvents.

632 Calcium oleate

142-17-6 1689 G



$C_{36}H_{66}CaO_4$

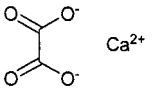
9-Octadecenoic acid calcium salt.

AI3-19804; Calcium dioleate; Calcium 9-octadecenoate, (Z)-; Calcium oleate; EINECS 205-525-0; 9-Octadecenoic acid (9Z)-, calcium salt; 9-Octadecenoic acid, (Z)-, calcium salt (2:1); Oleic acid, calcium salt. Used as a thickening lubricating grease, waterproofing agent, emulsifier. Solid; mp > 140° (dec); insoluble in H_2O and

organic solvents.

633 Calcium oxalate

563-72-4 1690 H



C_2CaO_4

Oxalic acid calcium salt.

Calcium oxalate; EINECS 209-260-1; Ethanedioic acid, calcium salt (1:1); Oxalic acid, calcium salt (1:1). Cubic crystals; d = 2.2; insoluble in H_2O, AcOH, soluble in dilute HCl, HNO_3.

634 Calcium oxide

1305-78-8 1691 G P

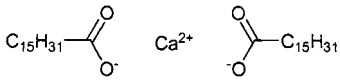
CaO

Lime.

Airlock; Bell CML(E); Bell CML(P); Burnt lime; Calcia; Calcia (CaO); Calcium monoxide; Calcium oxide; Caloxal CPA; Caloxol CP2; Caloxol W3; Calx; Calx usta; CALX; Calxyl; Caswell No. 147A; CCRIS 7496; Chaux vive; CML 21; CML 31; CML 35; Desical P; EINECS 215-138-9; EPA Pesticide Chemical Code 075604; Gebrannter kalk; HSDB 1615; KM Pebble Lime; Lime; Lime, burned; Oxyde de calcium; QC-X; Quick lime; Quicklime; Rhenosorb C; Rhenosorb F; UN1910; Unslaked lime; Vesta PP; Wapniowy tlenek; CaO. Inorganic oxide; refractory, sewage treatment, insecticides, fungicides, manufacture of steel and aluminum; flotation of nonferrous ores; manufacture of glass, paper, Ca salts; in drilling fluids, lubricants; laboratory. A dessicant used with rubber. White solid; mp = 2572°; bp = 2850°; d = 3.32-3.35. *Cerac; Degussa-Hüls Corp.; Kerr-McGee; Mallinckrodt Inc.; Pfizer Inc.; Rhône-Poulenc; U.S. Gypsum.*

635 Calcium palmitate

542-42-7 1692 H



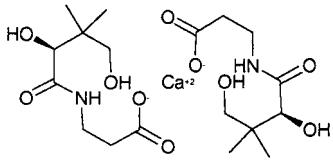
$C_{32}H_{62}CaO_4$

Palmitic acid calcium salt.

Calcium dipalmitate; Calcium hexadecanoate; EINECS 208-811-3; Hexadecanoic acid, calcium salt; Palmitic acid, calcium salt. Used to thicken lubricating oil and for waterproofing fabrics and lubricating greases. Also used as a corrosion inhibitor with halohydrocarbons. White powder; dec. 155°; slightly soluble in $CHCl_3$, C_6H_6, AcOH, insoluble in H_2O, EtOH, Et_2O, Me_2CO, petroleum ether.

636 Calcium d-pantothenate

137-08-6 7985 D G



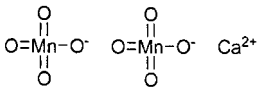
$C_{18}H_{32}CaN_2O_{10}$

(R)-N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-β-alanine calcium salt.

β-Alanine, N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-, calcium; Bis(pantothenato)calcium; Ca-HOPA; Calcii pantothenas; Calcium, bis(pantothenato)-; Calcium D-pantothenate (1:2); Calcium N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-β-alanine; Calcium panthothenate; Calcium pantothenate, D-form; Calcium panto-thenate (2:1); Calpan; Calpanate; CCRIS 1338; Cris Pan; Dextro calcium pantothenate; N-(2,4-Dihydroxy-3,3-dimethylbutyryl)-β-alanine calcium; EINECS 205-278-9; NSC 36292; Pancal; Panthoject; Pantholin; Pantotenato calcico; Pantothenate calcium; Pantothenate de calcium; Pantothenic acid, calcium salt (2:1), (+)-; Pantothenic acid, calcium salt (2:1), D-; Stuartinic; Vitamin B5, calcium salt. Vitamin (enzyme cofactor). An essential dietary factor. Solid; mp = 195-196° (dec); $[\alpha]_D^{20}$ = 28.2° (c = 5); soluble in H_2O (0.36 g/ml), poorly soluble in organic solvents. *BASF Corp.; Eli Lilly & Co.; Johnson & Johnson-Merck Consumer Pharm.; Pharmacia & Upjohn.*

637 Calcium permanganate

10118-76-0 1693 G



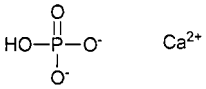
$CaMn_2O_8$

Permanganic acid calcium salt.

Acerdol; Calcium permanganate; Calcium permanganate ($Ca(MnO_4)_2$); EINECS 233-322-7; HSDB 966; Monol; Permanganate de calcium; Permanganato calcico; Permanganic acid ($HMnO_4$), calcium salt; UN1456. Used to treat gastro-enteritis and diarrhea. Antiseptic, deodorizer, disinfectant. Used in the textile industry. Freely soluble in H_2O, decomposes in alcohol.

638 Calcium phosphate

7757-93-9 1697 D G



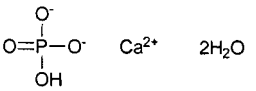
$CaHO_4P$

Calcium hydrogen phosphate.

A-Tab; Anhydrous Emcompress; Biofos; Calbrite; Calcium acid phosphate; Calcium dibasic phosphate; Calcium hydrogen orthophosphate; Calcium hydrogen phosphate; Calcium monohydrogen phosphate; Calcium monohydrogen phosphate anhydrous; Calcium phosphate (1:1); Calcium phosphate ($CaHPO_4$); Calcium phosphate, dibasic; Calcium phosphate dibasic anhydrous; Calcium phosphate, dibasic, dental grade; Calcium secondary phosphate; CCRIS 1337; D.C.P.; DCP; DCP-O; Dicafos AN; Dicalcium orthophosphate; Dicalcium phosphate; EINECS 231-826-1; Fujicalin S; HSDB 992; Ipifosc 20; Monetite; Monocalcium acid phosphate; Monocalcium phosphate; Monohydrogen calcium phosphate; Phosphoric acid, calcium salt (1:1); secondary Calcium phosphate. Foods, pharmaceuticals, dentifrice, medicine, glass, fertilizer, stabilizer for plastics, dough conditioner, yeast food. Used medicinally as a calcium replenisher. Triclinic crystals; d = 2.31; insoluble in H_2O, EtOH, soluble in mineral acids. *Albright & Wilson Americas Inc.; EM Ind. Inc.; FMC Corp.; GE Specialities; Janssen Chimica; Mallinckrodt Inc.; OxyChem; Rhône-Poulenc.*

639 Calcium phosphate dihydrate

7789-77-7 G



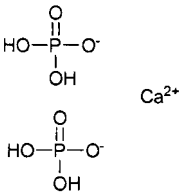
$CaH_5O_6P.2H_2O$

Dibasic calcium phosphate dihydrate.

Calcium monohydrogen phosphate dihydrate; Calcium phosphate, dibasic, dihydrate; Dicalcium phosphate dihydrate; Phosphoric acid, calcium salt (1:1), dihydrate. Dibasic calcium phosphate dihydrate USP/BP; excipient for production of pharmaceutical tablets by direct compression process. *Penwest Pharmaceuticals Co.*

640 Calcium phosphate (monobasic)

7758-23-8 1698 G



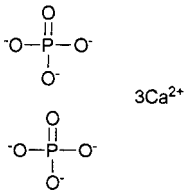
$CaH_4O_8P_2$

Phosphoric acid, calcium salt, monobasic.

Acid calcium phosphate; C 38 (phosphate); Calcium biphosphate; Calcium bis(dihydrogen phosphate); Calcium dihydrogen orthophosphate; Calcium dihydrogen phosphate; Calcium diorthophosphate; Calcium hydrogen phosphate ($Ca(H_2PO_4)_2$); Calcium monobasic phosphate; Calcium phosphate (1:2); Calcium phosphate, monobasic; Calcium superphosphate; Calcium tetrahydrogen orthophosphate; Calcium tetrahydrogen phosphate; EINECS 231-837-1; HSDB 1441; Monobasic calcium phosphate; Monocalcium orthophosphate; Monocalcium phosphate, monobasic; Phosphoric acid, calcium salt (2:1); Primary calcium phosphate; V 90®; acid calcium phosphate; calcium biphosphate; monocalcium orthophosphate; primary calcium phosphate; calcium superphosphate; MCP. Leavening acid in food products, mineral supplement, fertilizer, stabilizer for plastics, to control pH in malt, glass manufacture, firming agent. White solid; mp = 200° (dec); d_4^{18} =2.220; moderately soluble in H_2O, soluble in acids. *Albright & Wilson Americas Inc.; FMC Corp.; Kemira Kemi UK; Mallinckrodt Inc.; Monsanto Co.; Nichia Kagaku Kogyo; Rhône-Poulenc.*

641 Calcium phosphate (tribasic)

7758-87-4 1699 D G



$Ca_3O_8P_2$

Phosphoric acid, calcium salt, tribasic.

Bonarka; Calcigenol simple; Calcium orthophosphate; Calcium phosphate; Calcium phosphate (3:2); Calcium phosphate ($Ca_3(PO_4)_2$); Calcium phosphate, tribasic; Calcium tertiary phosphate; Caswell No. 148; CCRIS 3668; EINECS 231-840-8; EPA Pesticide Chemical Code 076401; FEMA No. 3081; HSDB 879; Natural whitlockite; Phosphoric acid, calcium salt (2:3); Phosphoric acid calcium(2+) salt (2:3); Synthos; Tertiary calcium phosphate; Tribasic calcium phosphate; Tricalcium diphosphate; Tricalcium orthophosphate; Tricalcium phosphate; tricalcium orthophosphate; tertiary calcium phosphate; Calcigenol Simple; oxydapatit; voelicherite; whitlockite; bone ash. Used in foods, pharmaceuticals, polystyrene, ceramics, mordant, fertilizers, dentifrices, stabilizer for plastics, in meat tenderizer, anticaking agent, nutrient supplement and calcum replenisher. White powder; mp = 1670°; d = 3.14; insoluble in H_2O, EtOH, soluble in mineral acids. *Albright & Wilson Americas Inc.; FMC Corp.; Mallinckrodt Inc.; Monsanto Co.; Rhône-Poulenc.*

642 Calcium phosphide

1305-99-3 1700 G P

Ca_3P_2

Tricalcium diphosphide.

Calcium phosphide; Calcium phosphide (Ca_3P_2); Calcium photophor; EINECS 215-142-0; HSDB 963; Photophor®; UN1360. Used for signal fires and as a rodenticide. Solid; mp = 1600°; d = 2.51; decomposed by H_2O.

643 Calcium polysulfide

1344-81-6 G P

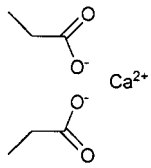
CaS_x

Calcium polysulfide.

Calcium polysulfide; Calcium polysulphide; Calcium sulfide ($Ca(S_x)$); Caswell No. 150; Eau grison; EINECS 215-709-2; EPA Pesticide Chemical Code 076702; HSDB 5826; Lime sulfur; Lime sulphur; Neviken; Orthorix; Polysulfure de calcium; Sulka; Zolfosol 25. Lime-sulfur fungicide. Acts directly and alo by decomposition to sulfur which is also a fungicide. Used for control of powdery mildews, anthracnose, scab and other diseases in benas, clover and fruits. Control of insects and spider mite eggs in fruit trees. Registered by EPA as a fungicide and insecticide. Deep orange liquid; d15.6 > 1.28; soluble in H_2O; skin and eye irritant. *Bonide Products, Inc.; Earth Care; Generic; PBI/Gordon Corp; Scotts Co.; Value Gardens Supply LLC; Western Farm Service, Inc.*

644 Calcium propionate

4075-81-4 1703 D G P



$C_6H_{10}CaO_4$

Propionic acid, calcium salt.

Bioban-C; Calcium dipropionate; Calcium propanoate; Calcium propionate; Caswell No. 151; EINECS 223-795-8; EPA Pesticide Chemical Code 077701; HSDB 907; Mycoban; Propanoic acid, calcium salt; Propionic acid, calcium salt. Mold-inhibitor; food additive; antifungal agent; improves scorch resistance and processibility of butyl rubber. Registered by EPA as a fungicide (cancelled). Monoclinic crystals; soluble in H_2O, slightly soluble in MeOH, EtOH, insoluble in Me_2CO, C_6H_6. *Gist-Brocades Intl.; Niacet; Riedel de Haen (Chinosolfabrik); Verdugt BV.*

645 Calcium silicate

1344-95-2 1707 G

$CaSiO_3$, Ca_2SiO_4, Ca_3SiO_5

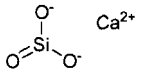
Silicic acid, calcium salt.

Calcium hydrosilicate; Calcium metasilicate; Calcium monosilicate; Calcium polysilicate; Calcium silicate; Calcium silicate, synthetic;

Calcium silicate, synthetic nonfibrous; Calflo E; Calsil; CS lafarge; EINECS 215-710-8; Florite R; HSDB 705; Marimet 45; Micro-cel; Micro-cel A; Micro-cel B; Micro-cel C; Micro-cel E; Micro-cel T; Micro-cel T26; Micro-cel T38; Micro-cel T41; Microcal 160; Microcal ET; Promaxon P60; Silene EF; Silicic acid, calcium salt; Silmos T; Solex; Stabinex NW 7PS; Starlex L; SW 400; Toyofine A; afwillite; akermanite; calcium pectolith; centrallasite; crestmoreite; eaklite; Cecasil; foshagite; foshallasite; gjellebaekite; grammite; gyrolite; hillebrandite; larnite; okenite; parawollastonite; pseudo-wollastonite; riversideite; table spate; tobermorite; wollastonite; xonaltite; xonotlite. A constituent of lime glass and portland cement; used as a reinforcing filler in elastomers and plastics; absorbent for liquids, gases, vapors; anticaking agent, suspending agent. Functional filler and reinforcing agent, bright color used in adhesives, ceramics, elastomers, insulating materials, cosmetics, plastics, paint, resins, sealants, and wallboards. Cream-colored powder; d^{25} = 2.10. *Celite; Crosfield; Degussa AG; Vanderbilt R.T. Co. Inc.*

646 Calcium silicate

13983-17-0 G



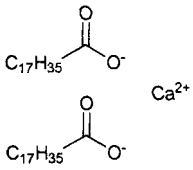
$CaSiO_3$;Ca_2SiO_4; Ca_3SiO_5

Silicic acid calcium salt.

350 Wollastokup 10014; 1250 Wollastokup 10224; Aedelforsite; Bistal; Bistal W; Bistal W 101; Cab-O-lite; Cab-O-lite 100; Cab-O-lite 130; Cab-O-lite 160; Cab-O-lite F 1; Cab-O-Lite P 4; Calcium silicate; Casiflux; Casiflux VP 413-004; CCRIS 4763; CHC 62N10; CHC 74N; CHD 62N10; Dab-O-lite P 4; EINECS 237-772-5; Fibernite HG; FPW 400; FPW 800; Fuwalip; FW 50; FW 200 (mineral); FW 325; Gillebachite; HN 3 (mineral); HSDB 4294; Hycon A 60; K 160 (mineral); Kemolit A-60; Kemolit ASB; Kemolit ASB-3; Kemolit ASB 8; Kemolit-N; NCI-C55470; Nyad 1250; Nyad 1250T; Nyad Denacup 100G; Nyad G; Nyad G 400; Nyad G Wollastocoat 1001; Nyad G Wollastocoat 2075; NYAD 10; NYAD 325; NYAD G; NYCO 1250; Nycor 200; Nycor 300; Okenite; Rivaite; Schalstein; Tabular spar; Tremin (mineral); Vansil® W 10; Vansil® W 20; Vansil® W 30; Vilnite; Wollastokup; Wollastonite; Wollastonite ($Ca(SiO_3)$). Extender pigment for solvent-thinned and latex paints with high aspect ratio grades, milled grades and fine particle size grades; $CaSiO_3$; used in polymer composites, coatings, adhesives, elastomers and friction products. *Nyco Minerals; Vanderbilt R.T. Co. Inc.*

647 Calcium stearate

1592-23-0 1708 G H



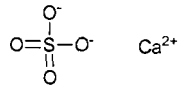
$C_{36}H_{70}CaO_4$

n-Octadecanoic acid, calcium salt.

Afco-Chem CS; AI3-01335; Aquacal; Calcium bis(stearate); Calcium distearate; Calcium octadecanoate; Calcium stearate; Calstar; EINECS 216-472-8; Flexichem; Flexichem CS; G 339 S; G 339S; HSDB 905; Nopcote C 104; Octadecanoic acid, calcium salt; Stavinor 30; Stearates; Stearic acid, calcium salt; Synpro stearate; Witco G 339S. Water repellent; flatting agent in paints, emulsions; release agent for plastic molding powds.; stabilizer for PVC resins; lubricant for paper coatings; in pencils and crayons; food grade as conditioning agent in foods. Lubricant for metal sintering. Lubricant and stabilizer for resins. Pigment dispersant, mold releasing agent, waterproofing agent and lubricant additive. Solid; mp = 179.5°; slightly soluble in H_2O, EtOH, Et_2O. *Adeka Fine Chem.; CK Witco Corp.; Eka Nobel Ltd.; Elf Atochem N. Am.; Ferro/Grant; Henkel/Organic Prods.; Mallinckrodt Inc.; PPG Ind.; Vanderbilt R.T. Co. Inc.; Witco/Oleo-Surf.*

648 Calcium sulfate

7778-18-9 1711 G P



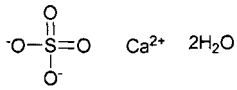
CaO_4S

Calcium sulfate (anhydrous).

AI3-02330; Anhydrite; Anhydrous calcium sulfate; Anhydrous gypsum; Anhydrous sulfate of lime; Calcium sulfate; Calcium sulfate, anhydrous; Calcium sulphate, natural; Caswell No. 152; CCRIS 3666; Crysalba; Drierite; EINECS 231-900-3; EPA Pesticide Chemical Code 005602; GIBS; Gypsum; HSDB 902; Karstenite; Muriacite; Natural anhydrite; NSC 529649; Pearl Hardening; Pigment white 25; Plaster of paris; Plaster of Paris, anhydrite; Satin White; Sulfuric acid, calcium salt; Sulfuric acid, calcium salt (1:1); Surfuric acid calcium(2+) salt (1:1); Terra Alba; Thiolite. Used in cement formulations, as paper filler; soluble anhydride: drying agent, desiccant. FDA GRAS, BATF limitation 16.69 lbs/1000 gallons, Japan approved with restrictions, Europe listed, UK approved, FDA approved for orals, USP/NF compliance. Used as an excipient, tablet/capsule diluent, dessicant, used in tablets prepared by direct compression, orals, abrasive and firming agent in tooth powders. (EPA cancelled). White solid; d = 2.96; soluble in H_2O (0.2%). *U.S. Gypsum.*

649 Calcium sulfate dihydrate

10101-41-4 G



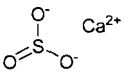
$CaO_4S.2H_2O$

Calcium sulfate dihydrate.

Alabaster; Annaline; C.I. 77231; C.I. pigment white 25; Calcium sulfate, dihydrate; Calcium(II) sulfate, dihydrate (1:1:2); Compactrol; Light spar; Magnesia White; Mineral White; Native calcium sulfate; Precipitated calcium sulfate; Satin spar; Satinite; Sulfuric acid, calcium(2+) salt, dihydrate; Terra alba. Tablet and capsule filler for pharmaceutical tablets manufacturing by direct compression. FDA approved for orals, USP/NF, BP, JP compliance. Used as an excipient, filler, dessicant, tablet/capsule diluent, used in orals. Off-white, odorless, tasteless powder; mp = 1450°; d = 2.308; soluble in H_2O, insoluble in most organic solvents. Non-toxic. *EM Ind. Inc.; Fluka; Franklin Ind. Mins.; Lohmann; Penwest Pharmaceuticals Co.; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.* 9

650 Calcium sulfite

10257-55-3 1713 G



CaO_3S

Sulfurous acid calcium salt.

Calcium sulfite; Calcium sulphite; EINECS 233-596-8; Katarsit;

Sulfurous acid, calcium salt (1:1). Used as a dechlorinating agent for water. Used to preserve fruit juices, in paper processing and sugar manufacture. [dihydrate]; slightly soluble in H_2O, EtOH.

651 Calcium thiobis(dodecylphenolate)

26998-97-0 H

$C_{36}H_{56}CaO_2S$

Phenol, thiobis(dodecyl-, calcium salt (1:1).

Calcium salt of thiobis(C12-alkylated phenol); Calcium thiobis(dodecylphenolate); EINECS 248-159-7; Phenol, thiobis(dodecyl-, calcium salt (1:1).

652 Calcium titanate

12049-50-2 G

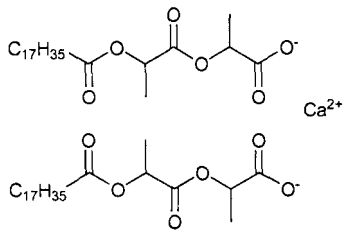
CaO_3Ti

Calcium titanate(IV).

Calcium titanate; Calcium titanium oxide ($CaTiO_3$); Calcium titanium trioxide; EINECS 234-988-1; RC 17; Titanate (TiO_3^{2-}), calcium (1:1); Perovskite; Titanium calcium oxide. Inorganic compound; used in electronic devices. *Atomergic Chemetals; Cerac; Ferro/Transelco; Tam Ceramics.*

653 Calcium verate

5793-94-2 1709 G



$C_{48}H_{86}CaO_{12}$

Calcium 2-stearoyl lactylate.

Calcium 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl-octadecanoate; Calcium bis(2-(1-carboxylatoethoxy)-1-methyl-2-oxoethyl) distearate; Calcium stearoyl lactylate; Calcium stearoyl-2-lactylate; Calcium α-(α-(stearoyloxy)propionyloxy)propionate; Crolactil CSL; EINECS 227-335-7; Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, calcium salt; Stearic acid, ester with lactate of lactic acid, ca salt; Stearoyl-2-lactylic acid; Verv®. Water-oil emulsifier, emollient for skin care and treatment products; ingredients in food products. Starch and protein complexing agent, softener for use in yeast-leavened bakery products; conditioning agent in dehydrated potatoes. *Croda Surfactants; Patco.*

654 Camite

12070-12-1 9945 G

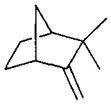
WC

Tungsten carbide.

EINECS 235-123-0; NCI C61198; Tungsten carbide; Tungsten carbide (WC); Tungsten, containing > 2% cobalt [Tungsten and cemented tungsten carbide]; Tungsten, containing > 3% nickel [Tungsten and cemented tungsten carbide]; Tungsten monocarbide. Proprietary trade name for tungsten carbide materials.

655 Camphene

79-92-5 1737 H



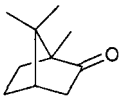
$C_{10}H_{16}$

2,2-Dimethyl-3-methylene-bicyclo(2.2.1)heptane.

AI3-01775; Bicyclo(2.2.1)heptane, 2,2-dimethyl-3-methylene-; Camphene; CCRIS 3783; 2,2-Dimethyl-3-methylene-norbornane; EINECS 201-234-8; EINECS 209-275-3; FEMA No. 2229; HSDB 900; NSC 4165. In essential oil of nutmeg. Used in manufacture of isobornyl esters and camphor and other chemicals related to the cosmetics and perfumery industries. It is also used as a starting material in the synthesis of terpene phenolic resins, as a plasticizer for resins, paints and as a starting material in the synthesis of acrylates and methacrylates. [dl-form]: Crystals; mp = 51 - 5°; bp = 158.5 - 159.5°; d^{54} = 0.8422; insoluble in H_2O, moderately soluble in organic solvents; [d-form]: Crystals; mp = 52°; $[\alpha]_D^{17}$= +103.5° (c = 9.67 Et_2O); d^{50} = 0.8486; [l-form]: Crystals; mp = 52°; $[\alpha]_D^{21}$= -119.11 (c = 2.33 C_6H_6); d^{54} = 0.8422. *Camphor and Allied Products.*

656 Camphor

76-22-2 1739 G



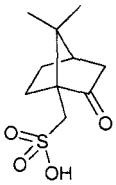
$C_{10}H_{16}O$

1,7,7-Trimethylbicyclo(2.2.1)-2-heptanone.

0-07-00-00135 (Beilstein Handbook Reference); 1,7,7-Trimethylbicyclo(2.2.1)heptan-2-one; 1,7,7-Trimethyl-norcamphor; 4-07-00-00213 (Beilstein Handbook Reference); AI3-18783; Alphanon; Bicyclo(2.2.1)-heptan-2-one, 1,7,7-trimethyl-; Bornane, 2-oxo-; 2-Bornanone; DL-Bornan-2-one; BRN 1907611; BRN 3196099; 2-Camphanone; Campho-Phenique Cold Sore Gel; Campho-Phenique Gel; Campho-Phenique Liquid; Camphor; (±)-Camphor; DL-Camphor; Camphor, synthetic; dl-Camphor; Caswell No. 155; EINECS 200-945-0; EINECS 244-350-4; EPA Pesticide Chemical Code 015602; Gum camphor; Heet; HSDB 37; Huile de camphre; 2-Kamfanon; Kampfer; 2-Keto-1,7,7-trimethylnorcamphane; Matricaria camphor; Norcamphor, 1,7,7-trimethyl-; Root bark oil; Sarna; Spirit of camphor; UN2717. Ordinary camphor, which separates from the essential oil of *Laurus camphora*. Used in organic synthesis, as a moth repellant, odorant and flavoring agent, plasticizer and preservative. Medical use as a carminative, antipruritic and antiseptic. White crystals; mp = 179°; bp = 209°; λ_m = 292 nm ($CHCl_3$); soluble in H_2O (0.12 g/100 ml), EtOH (100 g/100 ml), Et_2O (1 g/100 ml); $CHCl_3$ (2 g/100 ml), other organic solvents; LD_{50} (mus orl) = 1300 mg/kg. *Sigma-Aldrich Fine Chem.*

657 d-Camphorsulfonic acid

3144-16-9 1741 G



$C_{10}H_{16}O_4S$

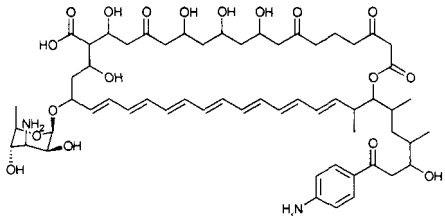
7,7-Dimethyl-2-oxobicyclo[2.2.1]heptane-1-methane-sulfonic acid.

AI3-23953; Bicyclo(2.2.1)heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-, (1S,4R)-; 10-Bornane-sulfonic acid, 2-oxo-, (1S,4R)-(+)-; Campher-sulfosaeure; Camphersulfosäure; Camphorsulfonic acid; d-Camphorsulfonic acid; d-10-Camphorsulfonic acid; D-Camphor-10-sulfonic acid; Camphostyl; Camsylate; CSA; EINECS 221-554-1; 2-Oxobornane-10-sulphonic

acid; Reychler's acid Reychler's acid;. Used for resolution of optical isomers. Prisms; mp = 193-195° (dec); λ_m = 285 nm (ε = 35, H_2O); $[\alpha]_D^{20}$= +43.5° (c = 4.3 EtOH); very soluble in H_2O, soluble in EtOH, poorly soluble in other organic solvents.

658 Candicidin

1403-17-4 1748 D G



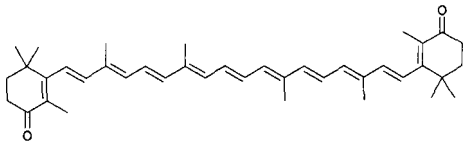
$C_{47}H_{84}N_2O_{18}$ (Candicidin D)

Vanobid.

Levorin; Candeptin; Candimon. Candicidin; antifungal. The major of four components of Candicin is Candicidin D ([1403-17-4]). White powder; λ_m = 403, 380 ($E^{1\%}_{cm}$ 1150), 360 nm; insoluble in H_2O, most organic solvents; soluble in DMF, DMSO, AcOH; LD_{50} (mus ip) = 14 mg/kg. *Key Pharm.; Marion Merrell Dow Inc.*

659 Canthaxanthin

514-78-3 1758 G



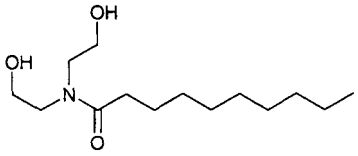
$C_{40}H_{52}O_2$

β,β-Carotene-4,4'-dione.

4-07-00-02680 (Beilstein Handbook Reference); BRN 1898520; C.I. Food Orange 8; Cantaxanthin; Cantaxanthine; Canthaxanthin; Canthaxanthine; Carophyll Red; Carotene-4,4'-dione, β-; all-trans,β-Carotene-4,4'-dione; β-Carotene-4,4'-dione, all-trans-; β,β-Carotene-4,4'-dione; CCRIS 3276; CI 40850; 4,4'-Dioxo-β-carotene; E 161 G; EINECS 208-187-2; Food orange 8; L-Orange 7; NSC 374110; Orobronze; Roxanthin Red 10; Carophyll. A pigment used in animal feedstuffs. Crystals; mp = 217° (dec); λ_m = 470 nm ($E^{1\%}_{cm}$ = 2250); soluble in $CHCl_3$, oils. *Roche Products Ltd.*

660 Capramide DEA

136-26-5 G



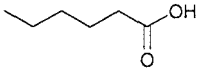
$C_{14}H_{29}NO_3$

N,N-Bis(2-hydroxyethyl)decanamide.

3-04-00-00706 (Beilstein Handbook Reference); Amidex CP; N,N-Bis(2-hydroxyethyl)decan-1-amide; BRN 1785093; Capramide DEA; Capric acid diethanolamide; Decanamide, N,N-bis(2-hydroxy-ethyl)-; EINECS 205-234-9; Standamid® CD; Upamide CD. Capramide DEA (2:1) - diethanolamine; detergent, foam enhancer for anionic systems; solubilizes fragrances into hydroalcoholic systems; secondary emulsifier in oil-water systems, perfume stabilizer; personal care products, industrial cleaners. *Chemron; Henkel/Cospha; Henkel.*

661 Caproic acid

142-62-1 1765 G



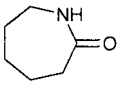
$C_6H_{12}O_2$

n-Hexanoic acid.

4-02-00-00917 (Beilstein Handbook Reference); AI3-07701; BRN 0773837; Butylacetic acid; Caproic acid; n-Caproic acid; Capronic acid; CCRIS 1347; EINECS 205-550-7; FEMA No. 2559; Hexacid 698; Hexanoic acid; n-Hexanoic acid; 1-Hexanoic acid; Hexoic acid; n-Hexoic acid; n-Hexylic acid; HSDB 6813; Kyselina kapronova; NSC 8266; Pentanecarboxylic acid; 1-Pentanecarboxylic acid; Pentiformic acid; Pentylformic acid; UN2829. Used in analytical chemistry, flavors, manufacture of rubber chemicals, varnish driers, resins, pharmaceuticals. Liquid; mp = -3°; bp = 205.2°; d^{20} = 0.9274; insoluble in H_2O (1.082 g/100g), soluble in EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 3.0 g/kg. *Chisso Corp.; Janssen Chimica; Lancaster Synthesis Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.; Aldrich; Am.; Chimica; Chisso; Janssen; Mfg.; Penta; Schweizerhall.*

662 Caprolactam

105-60-2 1767 H



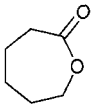
$C_6H_{11}NO$

6-Aminohexanoic acid cyclic lactam.

5-21-06-00444 (Beilstein Handbook Reference); A1030; AI3-14515; Aminocaproic lactam; 6-Aminocaproic acid lactam; 6-Aminohexanoic acid cyclic lactam; BRN 0106934; Caprolactam; 6-Caprolactam; Caprolattame; Capron PK4; CCRIS 119; Cyclohexanone iso-oxime; ε-Kaprolaktam; EINECS 203-313-2; Epsylon kaprolaktam; Extrom 6N; Hexahydro-2H-azepin-2-one; Hexamethylenimine, 2-oxo-; 6-Hexanelactam; Hexanoic acid, 6-amino-, lactam; Hexanolactam; Hexanone isoxime; Hexanonisoxim; HSDB 187; Kapromine; NCI-C50646; NSC 117393; Stilon. Leaflets; mp = 69.3°; bp = 270°; λ_m = 198 nm (ε = 7762, H_2O); very soluble in H_2O, C_6H_6, EtOH, $CHCl_3$.

663 Caprolactone

502-44-3 G H



$C_6H_{10}O_2$

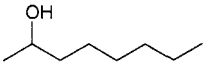
Hexanoic acid, 6-hydroxy-, ε-lactone.

5-17-09-00034 (Beilstein Handbook Reference); BRN 0106919; Caprolactone; EINECS 207-938-1; ε-Kaprolakton; ε-Caprolactone; Hexamethylene oxide, 2-oxo-; 6-Hexanolactone; Hexan-6-olide; 1,6-Hexanolide; HSDB 5670; 6-Hydroxyhexanoic acid lactone; 2-Oxepanone; Placcel M. Intermediate in adhesives, urethane coatings, elastomers; solvent; diluent for epoxy resins; synthetic fibers; organic synthesis. Liquid; mp = -18°; bp = 215°, bp_{10} = 96-98°; d^{20} = 1.0693; soluble in EtOH, Et_2O, Me_2CO; LD_{50} (rat orl) =

4290 mg/kg. *Union Carbide Corp.*

664 Caprylic alcohol

123-96-6 6785 H



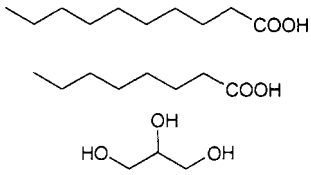
$C_8H_{18}O$

2-Octyl alcohol.

AI3-05598; Capryl alcohol; Caprylic alcohol, secondary; sec-Caprylic alcohol; EINECS 204-667-0; EINECS 223-938-4; FEMA Number 2801; Hexyl methyl carbinol; HSDB 5601; Methyl hexyl carbinol; n-Octan-2-ol; NSC 14759; 2-Octyl alcohol; 2-Octanol; s-Octyl alcohol.

665 Caprylic/capric triglyceride

65381-09-1 H



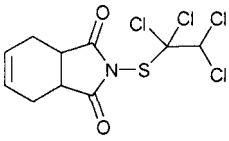
$C_{10}H_{20}O_2.xC_8H_{16}O_2.xC_3H_8O_3$

Decanoic acid, ester with 1,2,3-propanetriol octanoate.

Caprylic acid, capric acid triglyceride; Caprylic/capric triglyceride; Decanoic acid, ester with 1,2,3-propanetriol octanoate; EINECS 265-724-3; Octanoic/decanoic acid triglyceride.

666 Captafol

2425-06-1 1777 G P



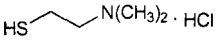
$C_{10}H_9Cl_4NO_2S$

3a,4,7,7a-Tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione.

5-21-10-00136 (Beilstein Handbook Reference); Alfloc 7020; Alfloc 7046; Arborseal; BRN 1543712; Captafol; Captaspor; CCRIS 848; CS 5623; 4-Cyclohexene-1,2-dicarboximide, N-((1,1,2,2-tetrachloroethyl)thio)-; Di-folatan; Difolatan 4F; Difolatan 4F1; Difolatan 80W; Difolatan BOW; Difosan; EINECS 219-363-3; Folcid; Foltaf; Haipen; Haipen 50; HSDB 340; 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-((1,1,2,2-tetra-chloroethyl)thio)-; Kenofol; Merpafol; N-1,1,2,2-Tetra-chloroethylmercapto-4-cyclohexene-1,2-carb-oximide; N-((1,1,2,2-Tetrachloroethyl)sulfenyl)-cis-4-cyclohex-ene-1,2-dicarboximide; N-((1,1,2,2-Tetrachloroethyl)-thio)-4-cyclohexene-1,2-dicarboximide; N-(1,1,2,2-Tetrachloraethylthio)-cyclohex-4-en-1,4-diacarbox-imid; N-(1,1,2,2-Tetrachloraethylthio)-tetrahydro-phthalamid; N-(Tetrachloroethylthio)tetrahydro-phthal-imide; N-(1,1,2,2-Tetrachloroethylthio)-Δ^4-tetrahydro-phthalimide; Nalco 7046; Ortho 5865; Ortho Difolatan 4 Flowable; Ortho Difolatan 80W; Proxel EF; Sanspor; Santar SM; Sulfonimide; Sulpheimide; *Terrazol*; Tetrachloroethylthiotetrahydrophthalimide; 1,2,3,6-Tetrahydro-N-(1,1,2,2-tetrachloroethylthio)-phthalimide; 3a,4,7,7a-Tetrahydro-2-((1,1,2,2-tetra-chloroethyl)thio)-1H-isoindole-1,3(2H)-dione; 3a,4,7, 7a-Tetrahydro-N-(1,1,2,2-tetrachloroethanesulph-enyl)phthalimide; [2939-80-2]. Fungicide, used with potatoes. Registered by EPA as a fungicide (cancelled). Colorless to pale yellow crystals; mp = 160-162°; slightly soluble in H_2O (0.00014 mg/100 ml), soluble in i-PrOH (1 g/100 ml), C_6H_6 (2.2 g/100 ml), C_7H_8 (1.5 g/100 ml), xylene (8.6 g/100 ml), Me_2CO (3.4 g/100 ml), MEK (3.5 g/100 ml), DMSO (18.7 g/100 ml); LD_{50} (rat orl) = 6200 (maize oil), 4200 mg/kg (aqueous), (rbt der) = 15400 mg/kg; LC_{50} (pheasant 10 day dietary) > 23070 mg/kg diet, (mallard duck 10 day dietary) > 1010700 mg/kg diet, (rainbow trout 96 hr.) ■ 0.5 mg/l, (goldfish 96 hr.) = 3 mg/l, (bluegill sunfish 96 hr.) = 0.15 mg/l; non-toxic to bees. *Generic; Monsanto (Solaris); Rallis India Ltd.*

667 Captamine Hydrochloride

13242-44-9 D G



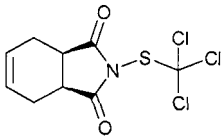
$C_4H_{12}ClNS$

2-(Dimethylamino)ethanethiol hydrochloride.

Captamine hydrochloride; EINECS 236-221-6; MEDA; NSC-45463; Thiofluor™. Nucleophile used in preparation of o-phthaldehyde reagent for fluorescence detection in HPLC. Metal complexing agent and depigmentor. Crystals; mp = 158-160°. *Schering-Plough HealthCare Products.*

668 Captan

133-06-2 1778 G P



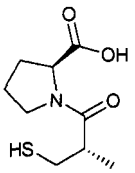
$C_9H_8Cl_3NO_2S$

2-[(Trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione.

5-21-10-00136 (Beilstein Handbook Reference); Aacaptan; Agrosol S; Agrox 2-way and 3-way; AI3-26538; Amercide; Bangton; Bean Seed Protectant; Bonide Captan 50%WP; BRN 0023177; Buvisild K; Captab; Captadin; Captaf; Captaf 50W; Captaf 85W; Captan; Captan 50W; Captan-streptomycin 7.5-0.1 potato seed piece protectant; Captancapteneet 26,538; Captane; Captanex; Captazel; Captec; Capteneet 26,538; Captex; Captol; Caswell No. 159; Catanex; CCRIS 120; Dangard; EINECS 205-087-0; ENT 26,538; EPA Pesticide Chemical Code 081301; Esso fungicide 406; Flit; Flit 406; Fungus ban type II; Glyodex 3722; Granox PFM; Gustafson captan 30-DD; Hexacap; HSDB 951; Isotox Seed Treater D; Isotox Seed Treater F; Kaptan; Kaptazor; LE Captane; Malipur; Merpan; Merpan 90; Merphan; Meteoro; Micro-check 12; NCI-C00077; Neracid; NSC 36726; Orthocide; Orthocide 7.5; Orthocide 50; Orthocide 83; Orthocide 406; Ortocid 50; Osocide; Phytocape; Pillarcap; Sepicap; Sorene; SR 406; Stauffer Captan; Trichlormethyl-thioamid kyseliny 1,2,3,6-tetrahydroftalove; Trichlor-methylthio-1,2,5,6-tetrahydrophthalamide; Trimegol; Ugecap; Ugecap 83; Vancide 89; Vancide 89RE; Vancide P-75; Vangard K; Vanguard K; Vanicide; Vondcaptan. Fungicide and bactericide, used in seed treatment, in plants, plastics, leather, fabrics, and fruit preservation; gas odorant. Used as a fungicide for natural and synthetic rubber compounds containing susceptible plasticizers, as an industrial preservative for vinyl, polyethylene, paint, lacquer, soap, wallpaper flour paste and as a bacteriostat in soap. Registered by EPA as a fungicide. Colorless crystals; mp = 178°; d = 1.74; slightly soluble in H_2O (0.00033 g/100 ml), xylene (1.7 g/100 ml), $CHCl_3$ (11.5 g/100 ml), Me_2CO (1.65 g/100 ml), cyclohexanone (4.7 g/100 ml), dioxane (4.8 g/100 ml), C_6H_6 (1.8 g/100 ml), C_7H_8 (0.59 g/100 ml), i-PrOH (0.13 g/100 ml), EtOH (0.23 g/100 ml), Et_2O (0.18 g/100 ml); LD_{50} (rat orl) = 9000 mg/kg, (rbt der) > 4500 mg/kg, (mallard duck, pheasant orl) > 5000 mg/kg, (bobwhite quail orl) = 2000 - 4000 mg

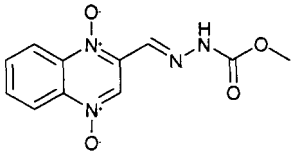
/kg; LC_{50} (mus ihl 4 hr.) = 4 mg/l air, (bluegill sunfish 96 hr.) = 0.072 mg/l, (harlequin fish 96 hr.) 0.3 mg/l; non-toxic to bees. *Agriliance LLC; Arvesta Corp.; Bonide Products, Inc.; Drexel Chemical Co.; Generic; Gustafson LLC; ICI Agrochemicals; Makhteshim Chemical Works Ltd.; Micro-Flo Co. LLC; Monsanto (Solaris); Murphy Chemical Co Ltd.; Trace Chemicals LLC; UAP - Platte Chemical; Vanderbilt R.T. Co. Inc.*

669 **Captopril**
62571-86-2 1780 D



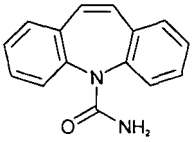
$C_9H_{15}NO_3S$
1-[(2S)-3-Mercapto-2-methylpropionyl]-L-proline.
Acediur; Aceplus; Acepress; Acepril; Alopresin; Capoten; Capozide; Captolane; Captopril; L-Captopril; Captoprilum; Captopryl; Captoril; Cesplon; Dilabar; EINECS 263-607-1; Garranil; HSDB 6527; Hypertil; Lopirin; Lopril; SA 333; SQ 14,225; Tenosbon; Tensoprel.; component of: Capozide, Acezide, Captea, Ecazide. Angiotensin-converting enzyme inhibitor. Used to treat hypertension. Orally active peptidyldipeptide hydrolase inhibitor. Crystals; mp = 103-104°, 86°, 87-88°, 104-105°; $[\alpha]_D^{22}$= -131.0° (c = 1.7 EtOH); freely soluble in H_2O, EtOH, $CHCl_3$, CH_2Cl_2; LD_{50} (mus iv) = 1040 mg/kg, (mus orl) = 6000 mg/kg. *Apothecon; Bristol-Myers Squibb Co.; Squibb E.R. & Sons.*

670 **Carbadox**
6804-07-5 1787 D G



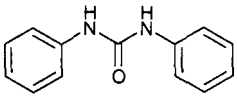
$C_{11}H_{10}N_4O_4$
Methyl 3-(2-quinoxalinylmethylene)carbazate N^1,N^4-dioxide.
Carbadox; Carbadoxum; CCRIS 3002; EINECS 229-879-0; Fortigro; Getroxel; GS-6244; HSDB 7028; Karbadox; Mecadox. Antimicrobial, used in swine. Crystals; mp = 239-240°; λ_m = 236, 251, 303, 366, 373 nm (ε 11000, 10900, 36400, 16100, 16200 H_2O); almost insoluble in H_2O. *Pfizer Intl.*

671 **Carbamepazine**
298-46-4 1788 D



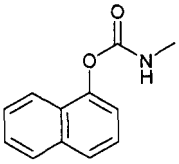
$C_{15}H_{12}N_2O$
5H-Dibenz[b,f]azepine-5-carboxamine.
5-20-08-00247 (Beilstein Handbook Reference); Amizepin; Biston; BRN 1246090; Calepsin; Carbamazepen; Carbamazepina; Carbamazepine; Carbamazepinum; Carbamezepine; Carbazepine; Carbelan; EINECS 206-062-7; Epitol; Finlepsin; G-32883; Geigy 32883; HSDB 3019; Karbamazepin; Lexin; Neurotol; NSC 169864; Sirtal; Stazepine; Tegretal; Tegretol; Telesmin; Timonil. Analgesic; anticonvulsant. mp = 190.2°; λ_m = 214, 238, 288 nm (ε = 27542, 14125, 11220, MeOH); soluble in alcohol, Me_2CO, propylene glycol; nearly insoluble in H_2O; LD_{50} (mus orl) = 3750 mg/kg, (rat orl) = 4025 mg/kg. *Ciba-Geigy Corp.; Lemmon Co.*

672 **Carbanilide**
102-07-8 1792 G



$C_{13}H_{12}N_2O$
Diphenylurea.
4-12-00-00741 (Beilstein Handbook Reference); Acardite; Acardite I; AD 30; AI3-52320; BRN 0782650; Carbanilide; CCRIS 4634; N,N'-Difenylmocovina; Diphenylcarbamide; 1,3-Diphenyl-carbamide; Diphenylurea; 1,3-Diphenylurea; N,N'-Diphenylurea; s-Diphenylurea; sym-Diphenylurea; EINECS 203-003-7; HSDB 2757; Karbanilid; NSC 227401; N-Phenyl-N'-phenylurea; Urea, 1,3-diphenyl-; Urea, N,N'-diphenyl-; USAF EK-534; Zeonet U. Retarder to slow down the cure of Nipol AR and HyTemp 4050 series elastomers. Also used in organic synthesis. Prisms; mp = 236°; bp = 260° (dec); λ_m = 210, 258 nm (ε = 8913, 24547, EtOH); insoluble in C_6H_6, slightly soluble in H_2O (0.15 g/l), Me_2CO, EtOH, $CHCl_3$, AcOH,. *Nippon Zeon.*

673 **Carbaryl**
63-25-2 1794 G H

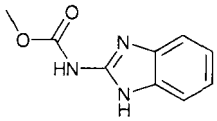


$C_{12}H_{11}NO_2$
Methylcarbamic acid, 1-naphthyl ester.
4-06-00-04219 (Beilstein Handbook Reference); AI3-23969; Arilat; Arilate; Arylam; Atoxan; Bercema NMC50; BRN 1875862; Bug; Bug master; Caprolin; Carbamec; Carbamic acid, methyl-, 1-naphthyl ester; Carbamine; Carbaril; Carbarilo; Carbarilum; Carbaryl; Carbatox; Carbatox-60; Carbatox-75; Carbavur; Carbomate; Carpolin; Carylderm; Caswell No. 160; CCRIS 850; Cekubaryl; Clinicide; Compound 7744; Crag sevin; Crunch; Denapon; Derbac; Devicarb; Dicarbam; Dicarbament 23,969; Dyna-carbyl; EINECS 200-555-0; ENT 23,969; EPA Pesticide Chemical Code 056801; Experimental Insecticide 7744; Gamonil; Germain's; Hexavin; HSDB 952; Karbaryl; Karbaspray; Karbatox; Karbatox 75; Karbatox zawiesinowy; Karbosep; Latka 7744; Master; Menaphtam; Methylcarbamate 1-naphthalenol; Methylcarbamate 1-naphthol; Methylcarbamic acid, 1-naphthyl ester; Monsur; Mugan; Murvin; NAC; NAC (insecticide); Naphthyl methylcarbamate; Naphthyl N-methylcarbamate; NMC 50; Noflo 5 vet; NSC 27311; Olititox; Oltitox; OMS-29; Padrin; Panam; Patrin; Pomex; Prosevor 85; Ravyon; Rylam; Savit; Seffein; Septene; Septene; Sevimol; Sevin; Sevin 4; SOK; Suleo; Tercyl; Thinsec; Tornado; Toxan; Tricarnam; UC 7744; Union carbide 7,744; Vetox; Vioxan. Registered by EPA as an insecticide. Used as an insecticide. Used in lice infestation. Crystals; mp = 142°; d_4^{20} = 1.232; soluble in H_2O (0.004 g/100 ml), DMF (40 - 45 g/100 ml), Me_2CO (20 - 30 g/100 ml), cyclohexanone (20 - 25 g/100 ml), i-PrOH (10 g/100 ml), xylene (10 g/100 ml), isophorone; LD_{50} (rat orl) = 250 mg/kg, (mrat orl) = 850 mg/kg, (frat orl) = 500

mg/kg, (rbt orl) = 710 mg/kg, (mallard duck orl) > 2179 mg/kg, (pheasant orl) > 2000 mg/kg, (Japanese quail orl) = 2230 mg/kg, (pgn orl) = 1000 - 3000 mg/kg, (rat der) > 4000 mg/kg, (rbt der) > 2000 mg/kg; LC_{50} (rat ihl) = 206.1 mg/l air, (rainbow trout 96 hr.) = 1.3 mg/l, (bluegill sunfish 96 hr.) = 10 mg/l; toxic to bees. *Agriliance LLC; Amvac Chemical Corp.; Aventis Crop Science; Aventis Environmental Science USA LP; Bonide Products, Inc.; Gowan Co.; ICI Agrochemicals; Napp Labs Ltd; PET Chemicals; Rhône-Poulenc; Southern Agricultural Insecticides, Inc.; Value Gardens Supply LLC.*

674 Carbendazim

10605-21-7 1799 G P



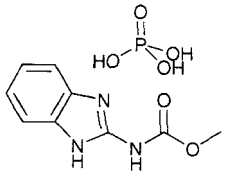
$C_9H_9N_3O_2$

1H-Benzimidazol-2-ylcarbamic acid methyl ester.

2-MBC; A 118 (pesticide); Agrizim; Antibac MF; BA 67054F; BAS-3460; BAS 3460 F; BAS 67054F; Battal; Bavistan; Bavistin; Bavistin 3460; BCM; BCM (fungicide); Bengard; Bercema-Bitosen; Bitosen; BMK; BMK (fungicide); Carben VL; Carbendazim; Carbendazime; Carbendazol; Carbendazole; Carbendazym; Carbenzazim; CCRIS 1553; CTR 6669; Custos; Delsene; Derosal; E-965; EINECS 234-232-0; EK 578; EPA Pesticide Chemical Code 128872; Equitdazin; Falicarben; Funaben; Funaben 3; Funaben 50; Fungisol; G 665; Garbenda; HOE 17411; HSDB 6581; IPO-1250; IPO Y; Jkatein; Karben; Kemdazin; Kolfugo; Kolfugo 25 FW; Kolfugo Extra; MBC (VAN); Mecarzole; Medamine; Myco; NSC 109874; Pillarstin; Preparation G 665; Preventol BCM; RCRA waste no. U372; Spin; Stein; Stempor; Supercarb; Thicoper; Triticol; U-32.104. Systemic fungicide with protective and curative action for use in rape, sunflower, strawberries, vegetables. Controls a wide variety of fungal diseases in cerals, fruit and vegetables. Used against Dutch elm disease. Registered by EPA as a fungicide. Light gray powder; mp = 302-307° (dec); slightly soluble in H_2O (0.0028 g/100 ml at pH 4, (0.0008 g/100 ml at pH 7, 0.0007 g/100 ml at pH 8), soluble in DMF (0.5 g/100 ml), Me_2CO (0.03 g/100 ml), EtOH (0.03 g/100 ml), $CHCl_3$ (0.01 g/100 ml), EtOAc (0.0135 g/100 ml), CH_2Cl_2 (0.0068 g/100 ml), C_6H_6 (0.0036 g/100 ml), cycohexane (< 0.001 g/100 ml), Et_2O (< 0.001 g/100 ml), insoluble in C_6H_{14}; pKa = 4.48; LD_{50} (rat orl) > 15000 mg/kg, (dog orl) > 2500 mg/kg, (mrat ip) = 7320 mg/kg, (frat ip) ▪ 15000 mg/kg, (rbt der) > 10000 mg/kg, (rat der) > 2000 mg/kg, (quail orl) > 10000 mg/kg; LC_{50} (carp 96 hr.) = 261 mg/kg, (rainbow trout 96 hr.) = 2.4 mg/l; non-toxic to bees. *Aventis Crop Science; BASF AG; DuPont; Farmers Crop Chemicals Ltd.; Fisons plc; ICI Agrochemicals; ICI Chem. & Polymers Ltd.; J.J. Mauget Co.; Pan Britannica Industries Ltd.; Rigby Taylor Ltd.; Troy Chemical Corp.*

675 Carbendazim Phosphate

52316-55-9 P



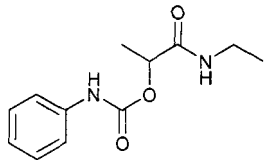
$C_9H_{12}N_3O_6P$

Methyl (1H-benzimidazol-2-yl)-carbamate, phosphate (1:1).

Carbendazim phosphate; Caswell No. 525BB; Correx; EPA Pesticide Chemical Code 099102; Lignasan BLP; Lignosan BLP; MBC-P; Methyl 2-benzimidazole-carbamate phosphate. Registered by EPA as a fungicide. *Elm Research Institute.*

676 Carbetamide

16118-49-3 G P



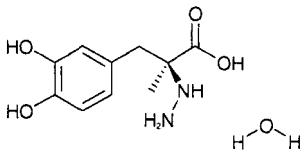
$C_{12}H_{16}N_2O_3$

(R)-N-Ethyl-2-[[(phenylamino)carbonyl]oxy]propanamide.

11,561 RP; 2-Phenyl-carbamoyloxy-N-äthyl-propion-amid; BRN 2983326; Carbanilic acid, (1-ethylcarbamoyl)ethyl ester, D-(-)-; Carbetamex; Carbetamid; Carbetamide; Carbethamide; Caswell No. 159B; D-(-)-1-(Ethylcarbamoyl)ethyl phenylcarbamate; D-(-)-N-Ethyl-2-(phenylcarbamoyloxy)propionamide; D-N-Ethylacetamide carbanilate; (R)-1-(Ethylcarb-amoyl)ethyl carbanilate; (R)-1-(Ethylcarbamoyl)ethyl phenylcarbamate; D-N-Ethyllactamide carbanilate; (R)-N-Ethyl-2-(((phenylamino)carbonyl)oxy)propanamide; EPA Pesticide Chemical Code 259200; Lactamide, N-ethyl-, carbanilate (ester), D-; Legurame; Legurame PM; N-Phenyl-1-(ethylcarbamoyl-1)-ethylcarbamate, D isomer; (Phenylcarbamoyloxy)-2-N-ethylpropion-amide; Propanamide, N-ethyl-2-(((phenylamino)-carbonyl)oxy)-, (R)-. Herbicide. Colorless crystals; mp = 119°; soluble in H_2O (0.35 g/100 ml), freely soluble in Me_2CO, CH_2Cl_2, DMF, EtOH, MeOH; LD_{50} (rat orl) = 11000 mg/kg, (mus orl) = 1250 mg/kg, (dog orl) = 1000 mg/kg, (rbt der) > 500 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.13 mg/l air; non-toxic to bees. *Aventis Crop Science; Rhône-Poulenc.*

677 Carbidopa

28860-95-9 1806 D



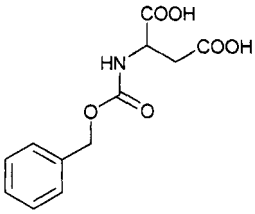
$C_{10}H_{14}N_2O_4.H_2O$

(-)-L-α-Hydrazino-3,4-dihydroxy-α-methylhydrocinn-amic acid monohydrate.

Carbidopa; Carbidopum; CCRIS 5093; EINECS 249-271-9; HMD; Hydrazino-α-methyldopa; α-Methyldopahydrazine; Lodosin; Lodosyn; MK 486; MK-486; N-Aminomethyldopa.; component of: Sinemet. Decarboxylase inhibitor. Used as an antiparkinsonian agent. mp = 203-205° (dec), 208°; $[\alpha]_D$ = -17.3 (MeOH); [DL-form]: mp = 206-208° (dec); λ_m ▪ 282.5 nm (ε 2940 MeOH). *DuPont-Merck Pharm.; Lemmon Co.*

678 Carbobenzoxy-L-aspartic acid

1152-61-0 H



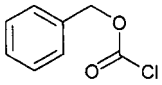
$C_{12}H_{13}NO_6$

N-Benzyloxycarbonyl-L-aspartic acid.

Aspartic acid, N-(benzyloxy)carbonyl-; Aspartic acid, N-carboxy-, N-benzyl ester, L-; L-Aspartic acid, N-((phenylmethoxy)carbonyl)-; N-Benzyloxycarbonyl-L-aspartic acid; N-Benzyloxycarbonylaspartic acid; Carbobenzoxy-L-aspartic acid; N-Carbobenzoxy-L-aspartic acid; EINECS 214-568-4; NSC 9972; NSC 88479.

679 **Carbobenzoxy chloride**

501-53-1 1810 G H



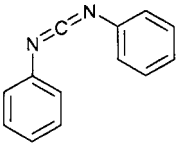
$C_8H_7ClO_2$

Formic acid, chloro-, benzyl ester.

Benzyl carbonochloridate; Benzyl chlorocarbonate; Benzyl chloroformate; Benzylcarbonyl chloride; Benzyloxycarbonyl chloride; Carbobenzoxy chloride; Carbonochloridic acid, phenylmethyl ester; CCRIS 2599; Chloroformic acid, benzyl ester; EINECS 207-826-2; Formic acid, chloro-, benzyl ester; HSDB 364; NSC 83466; UN1739. Used to provide the carbobenzoxy group, a protecting group widely used in peptide synthesis. Oily liquid; bp_{20} = 103°; d^{25} = 1.1950; soluble in Et_2O, Me_2CO, C_6H_6. *Janssen Chimica; Pentagon Chems. Ltd.; PPG Ind.*

680 **Carbodiimide**

622-16-2 G



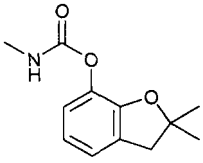
$C_{13}H_{10}N_2$

Diphenylcarbodiimide.

Benzenamine, N,N'-methanetetraylbis-; Carbodiimide, diphenyl-; Diphenylcarbodiimide; EINECS 210-721-4; N,N'-Diphenylcarbodiimide; NSC 159432; Stabilizer 2013-P®. Activator; improves resistance to hydrolysis by acids, bases, and hot water in vulcanizates based on millable PU. Solid; mp = 169°; bp = 331°. Bp_{20} = 175°; slightly soluble in H_2O. EtOH, Et_2O, soluble in C_6H_6. *TSE Industries.*

681 **Carbofuran**

1563-66-2 1813 G H P



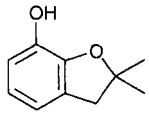
$C_{12}H_{15}NO_3$

2,2-Dimethyl-2,2-dihydrobenzofuranyl-7 N-methylcarbamate.

5-17-04-00048 (Beilstein Handbook Reference); AI3-27164; BAY 70143; BAY 78537; Brifur; BRN 1428746; C2292-59A; Carbodan; Carbofuran; Carbofurane; Caswell No. 160A; CCRIS 4017; Chinufur; Crisfuran; Curaterr; D 1221; EINECS 216-353-0; ENT 27,164; EPA Pesticide Chemical Code 090601; FMC 10242; Furacarb; Furadan; Furadan 3G; Furadan 4F; Furadan G; HSDB 1530; Karbofuranu; Kenofuran; ME F248; NIA 10242; Niagara 10242; Niagara NIA-10242; NSC 167822; OMS-864; Pillarfuran; Rampart; Yaltox. Granular soil-applied insecticide for use in sugar beet, tobacco, maize, rice, sugar cane and vegetables. Cholinesterase inhibitor. A systemic carbamate insecticide and nematode. Registered by EPA as an miticide and insecticide. Used as a miticide and nematicide. White crystals; mp = 150-153°; sg^{20} = 1.18; soluble in H_2O (0.032 g/100 ml); Me_2CO (11.8 g/100 ml), CH_3CN (10.9 g/100 ml); CH_2Cl_2 (16 g/100 mol); cyclohexanone (8.46 g/100 ml); C_6H_6 (3.52 g/100 ml), EtOH (3.16 g/100 ml), DMSO (27.5 g/100 ml), DMF (25.4 g/100 ml); LD_{50} (rat orl) = 8.2 - 14.1 mg/kg, (mus orl) = 2 mg/kg, (dog orl) = 19 mg/kg, (rat der) > 3000 mg/kg, (ckn orl) = 25 - 39 mg/kg; LC_{50} (gpg ihl) = 0.043 - 0.053 mg/l air, (pheasant 10 day dietary) = 960 mg/kg diet, (rainbow trout 96 hr.) = 0.28 mg/l, (bluegill sunfish 96 hr.) = 0.24 mg/l; toxic to bees. *Bayer AG; Bayer Corp.; Chemisco; FMC Corp.; Griffin LLC; Makhteshim Chemical Works Ltd.; Sipcam; Universal Crop Protection Ltd.; Whitmire Micro-Gen Research Laboratories Inc.*

682 **Carbofuran 7-phenol**

1563-38-8 H



$C_{10}H_{12}O_2$

2,3-Dihydro-2,2-dimethyl-7-benzofuranol.

AI3-27488; 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-; Carbofuran 7-phenol; Carbofuran phenol; EINECS 216-350-4; HSDB 5839; NIA 10272; RCRA waste no. U367.

683 **Carbon**

7440-44-0 1817 D P

C

C

Carbon.

Acticarbone; Activated carbon; Activated carbon, decolorizing; Activated charcoal; Adsorbit; AG 3 (Adsorbent); AG 5; AG 5 (Adsorbent); AK (Adsorbent); Amoco PX 21; Anthrasorb; Aqua nuchar; AR 3; ART 2; AU 3; BAU; BG 6080; Black 140; Black pearls; Calcotone Black; Canesorb; Carbolac; Carbon; Carbon-12; Carbon, activated; Carbon, Activated or Decolorizing; Carbon, animal or vegetable origin; Carbon, colloidal; Carbon-^{12}C (amorphous) (^{13}C-depleted); Carbopol Extra; Carbopol M; Carbopol Z 4; Carbopol Z Extra; Carboraffin; Carborafine; Carbosieve; Carbosorbit R; Caswell No. 161; Cecarbon; CF 8 (Carbon); Charcoal; Charcoal, activated; CLF II; CMB 50; CMB 200; Coke powder; Colgon BPL; Colgon PCB 12X30; Colgon PCB-D; Columbia LCK; Conductex; CUZ 3; CWN 2; Darco; EINECS 231-153-3; EPA Pesticide Chemical Code 016001; Filtrasorb; Filtrasorb 200; Filtrasorb 400; Graphite, synthetic; Grosafe; HSDB 5037; Hydrodarco; Irgalite 1104; Jado; K 257; MA 100 (Carbon); Norit; Nuchar; OU-B; Pelikan C 11/1431a; SKG; SKT; SKT (adsorbent); SU 2000; Suchar 681; Supersorbon IV; Supersorbon S 1; U 02; UN1362; Watercarb; Witcarb 940; XE 340; XF 4175L. Registered by EPA as an insecticide and plant growth

regulator. FDA GRAS; Used in medicine as an antidote, adsorber, for odor control and refining of pharmaceutical chemicals. Carbon black banned by FDA for use in foods, drugs or cosmetics. Insoluble in H_2O, organic solvents. *Allied Signal; Calgon Carbon; Ceca SA; Elf Atochem N. Am.; Norit Am.; Sigma-Aldrich Fine Chem.; United Catalysts Inc.; Westvaco.*

684 Carbon black

1333-86-4 H

C

Carbon, amorphous.

Acetylene black; Animal bone charcoal; Aroflow; Arogen; Arotone; Arovel; Arrow; Atlantic; Black Kosmos 33; Black pearls; Cancarb; Carbodis; Carbolac; Carbolac 1; Carbomet; Carbon, amorphous; Carbon black; Carbon black, acetylene; Carbon black, channel; Carbon black, furnace; Carbon black, lamp; Carbon black, thermal; Carbon Black BV and V; CCRIS 7235; Channel Black; Char, from refuse burner; CI 77266; CI Pigment Black 6; CI Pigment Black 7; CK3; Collocarb; Columbia carbon; Conductex 900; Continex; Corax A; Corax P; Croflex; Crolac; Degussa; Delussa Black FW; Durex O; Eagle Germantown; EINECS 215-609-9; ELF 78; Elftex; Essex; Excelsior; Explosion Acetylene Black; Explosion Black; Farbruss; Fecto; Flamruss; Furnace black; Furnal; Furnex; Furnex N 765; Gas Black; Gas-furnace black; Gastex; HSDB 953; Huber; Humenegro; Impingement Black; Impingement carbons; Ketjenblack EC; Kosmink; Kosmobil; Kosmolak; Kosmos; Kosmotherm; Kosmovar; Lamp black; Magecol; Metanex; Micronex; Miike 20; Modulex; Mogul; Mogul L; Molacco; Monarch 1300; Monarch 700; Neo-spectra II; Neo Spectra Beads AG; Neo-Spectra Mark II; Neotex; Niteron 55; Oil-furnace Black; P 33 (carbon black); P68; P1250; Peach black; Pelletex; Permablak 663; Philblack; Philblack N 550; Philblack N 765; Philblack O; Pigment Black 6; Pigment Black 7; Printex; Printex 60; Raven; Raven 30; Raven 420; Raven 500; Raven 8000; Rebonex; Regal; Regal 99; Regal 300; Regal 330; Regal 400R; Regal 600; Regal SRF; Regent; Royal spectra; Sevacarb; Seval; Shawinigan Acetylene Black; Shell carbon; Special Black 1V & V; Special schwarz; Spheron; Spheron 6; Statex; Statex N 550; Sterling MT; Sterling N 765; Sterling NS; Sterling SO 1; Super-carbovar; Super-spectra; Superba; Therma-atomic Black; Thermal Acetylene Black; Thermal black; Thermatomic; Thermax; Thermblack; Tinolite; TM 30; Toka Black 4500; Toka Black 5500; Toka Black 8500.

685 Carbon dioxide

124-38-9 1819 D G P

CO_2

Carbonic acid anhydride.

AER Fixus; After-damp; Anhydride carbonique; Carbon dioxide; Carbon Oxide; Carbon Oxide, di-; Carbonic acid anhydride; Carbonic acid gas; Carbonic anhydride; Carbonica; Caswell No. 163; Dioxido de carbono; Dioxyde de carbone; Dry ice; EINECS 204-696-9; EPA Pesticide Chemical Code 016601; HSDB 516; Khladon 744; Kohlendioxyd; Kohlensäure; Kohlensaure; Makr carbon dioxide; R 744; UN1013; UN1845; UN2187. Refrigeration, carbonated beverages, Aerosol®® propellant, chemical intermediate, fire extinguishing, inert atmospheres, municipal water treatment, medicine, oil wells, mining, blowing agent. Registered by EPA as an insecticide and plant growth regulator. Used medically as a respiratory stimulant. Colorless, odorless, non-combustible gas; bp = -56.6°; d^{25} (gas) = 0.742; solid carbon dioxide is stable at temperatures < -78.5°, where it sublimes; soluble in H_2O (171 ml gas/100 ml H_2O at 0°, 88 ml/100 ml at 20°, 36 ml/100 ml at 60°), less soluble in EtOH, other organic solvents. Regarded as essentially non-toxic, but has long-term exposure limits of 5000 ppm (8 hour TWA) and 15000 ppm short-term (10 minutes) in the UK, and 5000 (long term), 10000 (short term) and 30000 (short term maximum) ppm in the US. *ADM; Air Products & Chemicals Inc.; Biosensory, Inc.; BOC Gases; Cytec; D.I.E. Corp; G.H.G. Co. Inc.; Nissan Chem. Ind.; Norsk Hydro AS; Praxair Inc; Showa Denko.*

686 Carbon disulfide

75-15-0 1821. G H

CS_2

Carbon bisulfide.

4-03-00-00395 (Beilstein Handbook Reference); AI3-08935; BRN 1098293; Carbon bisulfide; Carbon bisulphide; Carbon disulfide; Carbon disulphide; Carbone (sulfure de); Carbonio (solfuro di); Caswell No. 162; CCRIS 5570; Dithiocarbonic anhydride; EINECS 200-843-6; EPA Pesticide Chemical Code 016401; HSDB 52; Kohlendisulfid (schwefel-kohlenstoff); Koolstofdisulfide (zwavelkoolstof); NCI-C04591; RCRA waste number P022; Schwefel-kohlenstoff; Solfuro di carbonio; Sulfure de carbone; Sulphocarbonic anhydride; Sulphuret of carbon; UN 1131; Weeviltox; Wegla dwusiarczek. Used in manufacture of viscose rayon, cellophane, carbon tetrachloride and flotation agents, used as a solvent. Volatile liquid; mp = -111.5°; bp = 46°; d^{20} = 1.2632; soluble in H_2O, more soluble in organic solvents. *Akzo Chemie; PPG Ind.; Rhône Poulenc Surfactants; Rhône-Poulenc Environmental Prods. Ltd.*

687 Carbon monoxide

630-08-0 1823 H

CO

Carbon monoxide.

Carbon monoxide; Carbon oxide (CO); Carbone (oxyde de); Carbonic oxide; Carbonio (ossido di); EINECS 211-128-3; Exhaust gas; Flue gas; HSDB 903; Kohlenmonoxid; Kohlenoxyd; Koolmonoxyde; NA9202; Oxyde de carbone; UN1016; Wegla tlenek. Gas; mp = -205°; bp = -191.5°; d^{-19} = 0.7909, slightly soluble in H_2O, soluble in C_6H_6, AcOH.

688 Carbon tetrachloride

56-23-5 1826 H

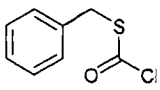
CCl_4

Tetrachloromethane.

AI3-04705; Benzinoform; Carbon chloride (CCl_4); Carbon tetrachloride; Carcona; Caswell No. 164; CCRIS 123; Chlorid uhlicity; Czterochlorek wegla; EINECS 200-262-8; ENT 27164; ENT 4,705; EPA Pesticide Chemical Code 016501; Fasciolin; Flukoids; Freon 10; Halon 1040; HSDB 53; Methane tetrachloride; Methane, tetrachloro-; Necatorina; Necatorine; NSC 97063; Perchloromethane; R 10; R 10 (Refrigerant); RCRA waste number U211; Tetrachloorkoolstof; Tetrachloormetaan; Tetrachlor-kohlenstoff, tetra; Tetrachlormethan; Tetrachloro-methane; Tetrachlorure de carbone; Tetracloromethane; Tetracloruro di carbonio; Tetrafinol; Tetraform; Tetrasol; UN1846; Univerm; Vermoestricid. Used as a refrigerant, in metal degreasing and dry-cleaning, as an agricultural fumigant, in chlorinating organic compounds, production of semiconductors and solvents. Mobile liquid; mp = -23°; bp = 76.7°; d_{25}^{25} = 1.589; soluble in H_2O (1 ml/2000 ml), soluble in organic solvents; LC_{50} (mus inh) = 9528 ppm. *Ashland; Janssen Chimica; Kemichrom; Mitsubishi Chem. Corp.;*

689 Carbonochloridothioic acid, S-(phenyl-methyl) ester

37734-45-5 F



C_8H_7ClOS

Carbonochloridothioic acid, S-(phenylmethyl) ester

690 Carborundum

409-21-2 8566 G

Si—C

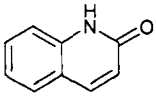
SiC

Silicone carbide.

Annanox CK; Betarundum; Betarundum ST-S; Betarundum UF; Betarundum ultrafine; Carbofrax M; Carbogran; Carbogran E; Carbogran UF; Carbolon; Carbomant; Carbon silicide; Carborex; Carborundeum; Carborundum; Carsilon; CCRIS 7813; Crystar; Crystolon 37; Crystolon 39; Densic C 500; DU-A 1; DU-A 2; DU-A 3; DU-A 3C; DU-A 4; EINECS 206-991-8; GC 10000; Green densic; Green densic GC 800; Hitaceram SC 101; HSDB 681; KZ 3M; KZ 5M; KZ 7M; Meccarb; Nicalon; SC 201; SC 9; SC 9 (Carbide); SCW 1; SD-GP 6000; SD-GP 8000; Silicon carbide; Silicon monocarbide; Silundum; Tokawhisker; UA 1; UA 2; UA 3; UA 4; UF 15; YE 5626. Used in abrasive, refractories and electrical industries. UF grade used in sintered ceramics and for abrasion resistant surfaces. Green-black solid; d = 3.23. *Lonzagroup.*

691 Carbostyril

59-31-4 1835 G



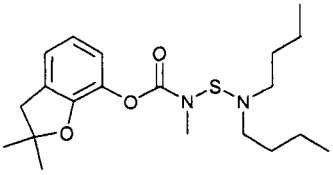
C_9H_7NO

2-Hydroxyquinoline.

AI3-00782; o-Aminocinnamic acid lactam; Carbostyril; CCRIS 4327; EINECS 200-420-6; α-Hydroxyquinoline; 2-Hydroxyquinoline; NSC 156783; 2-Quinolinol; 2-Quinolinone; α-Quinolone; 2-Quinolone; 2(1H)-Quinolinone; 2(1H)-Quinolone. Crystals; mp = 199-200°; slightly soluble in H_2O; soluble in EtOH, Et_2O, HCl. *Rutgers Organics GmbH.*

692 Carbosulfan

55285-14-8 1836 G F



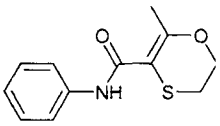
$C_{20}H_{32}N_2O_3S$

2,3-Dihydro-2,2-dimethyl-7-benzofuranyl[(dibutylamino)thio]methyl carbamate.

Advantage; AI3-29259; BRN 1397995; Carbamic acid, ((dibutylamino)thio)methyl-, 2,2-dimethyl-2,3-dihydro-7-benzofuranyl ester; Carbosulfan; Caswell No. 463C; Dibutylaminosulfenylcarbofuran; ((Dibutylamino)thio)-methylcarbamic acid, 2,2-dimethyl-2,3-dihydro-7-benzofuranyl ester; 2,3-Dihydro-2 2-dimethyl-7-benzofuranyl (d -n-butylaminosulfenyl)methylcarb-amate; 2,3-Dihydro-2,2-dimethyl-7-benzofuryl((di-butylamino)thio)methylcarbamate; EINECS 259-565-9; EPA Pesticide Chemical Code 090602; FMC 35001; Marshal; Marshall; Posse; RCRA waste no. P189; ((Dibutylamino)thio)methylcarbamic acid 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester; 2,3-Dihydro-2,2-dimethyl-7-benzofuranyl ((dibutylamino)thio)methyl-carbamate; 2,3-Dihydro-2,2-dimethyl-7-benzofuranyl (di-n-butylaminosulfenyl)methylcarbamate; EPA Pesticide Chemical Code 090602; FMC 35001; Marshal; Marshall; Posse; RCRA waste no. P189. Systemic insecticide with contact and stomach action. Used for control of soil-dwelling and foliar insects in a wide variety of crops. Brown liquid; bp = 124 - 128°; sg^{20} = 1.956; almost insoluble in H_2O (0.000003 g/100 ml), soluble in xylene, C_6H_{14}, $CHCl_3$, CH_2Cl_2, MeOH, Me_2CO and most other solvents; LD_{50} (mrat orl) = 250 mg/kg, (frat orl) = 185 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) = 8.1 mg/kg, (quai. orl) = 82 mg/kg, (pheasant orl) = 26 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 0.015 mg/l, (trout 96 hr.) = 0.042 mg/l; toxic to bees. *FMC Corp.*

693 Carboxin

5234-68-4 1837 G P



$C_{12}H_{13}NO_2S$

1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-.

5-19-07-00251 (Beilstein Handbook Reference); BRN 0983249; Carboxanilido-2,3-dihydro-6-methyl-1,4-oxathiin; 5-Carboxanilido-2,3-dihydro-6-methyl-1,4-oxathiin; Carboxin; CCRIS 5217; Carbathiin; Carboxin; Carboxine; Caswell No. 165ACerevaxCerevax Extra; D-735; DCMO; 5,6-Dihydro-2-methyl-1,4-oxathiin-3-carboxanilide; 5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide; DMOC; DMOC (VAN); Dual Murganic RPB; Enhance; Enhance Plus; EPA Pesticide Chemical Code 090201; F 735; Flo Pro V Seed Protectant; Germate Plus; HSDB 1532; Kemikar; Kisvax; Krisvax; Mist-O-Matic Murganic; Murganic; NSC 263492; 1,4-Oxathiin, 2,3-dihydro-5-carboxanilido-6-methyl-; 1,4-Oxathiin-3-carbox-anilide, 5,6-dihydro-2-methyl-; 1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-; Oxatin; Pro-Gro; RTV Vitavax; V 4X; Vitaflo 250; Vitaflow; Vitavax; Vitavax 30-C; Vitavax 34; Vitavax 75W; Vitavax 100; Vitavax-200; Vitavax-300; Vitavax 735D; Vitavax-Thiram-Lindane; Vivatex. Systemic fungicide used as a seed treatment for control of smuts, bunts and seedling diseases. Registered by EPA as a fungicide. Colorless crystals, two forms; mp = 93-95°, and 98 -100°; soluble in H_2O (0.0175 g/100 ml, at 25°); soluble in DMSO (165 g/100 ml), Me_2CO (47 g/100 ml), MeOH (16.8 g/100 ml), C_6H_6 (13.2 g/100 ml), EtOH (8.7 g/100 ml); LD_{50} (rat orl) = 3820 mg/kg, (rbt der) > 8000 mg/kg; LC_{50} (rat ihl 1 hr.) > 20 mg/l air, (mallard duck 8 day dietary) > 4640 mg/kg diet, (bobwhite quail 8 day dietary) > 10000 mg/kg diet, (rainbow trout 96 hr.) = 2 mg/l, (bluegill sunfish 96 hr.) = 1.2 mg/l; non-toxic to bees. *Crompton Corp.; Diachem; Gustafson LLC; Jin Hung; Kemira Agro OY; Kemira Kemi UK; Trace Chemicals LLC; Uniroyal.*

694 Carboxymethylcellulose sodium

9004-32-4 1840 G

R_nOCH_2COONa

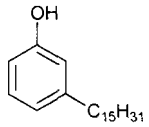
Carboxymethyl ether cellulose sodium salt.

7H3SF; AC-Di-sol. NF; Aku-W 515; Aquaplast; Avicel RC/CL; B 10; B 10 (Polysaccharide); Blanose BS 190; Blanose BWM; Cameltose

gum; Carbose 1M; Carboxymethyl cellulose; Carboxymethyl cellulose, sodium salt; Carmellose gum; Carmethose; CCRIS 3653; Cekol; Cellofas; Cellofas B; Cellofas B5; Cellofas B50; Cellofas B6; Cellofas C; Cellogel C; Cellogen 3H; Cellogen PR; Cellogen WS-C; Cellpro; Cellufix FF 100; Cellufresh; Cellugel; Cellulose, carboxymethyl ether; Cellulose carboxymethyl ether, sodium salt; Cellulose glycolic acid, sodium salt; Cellulose gum; Cellulose sodium glycolate; Celluvisc; CM-Cellulose sodium salt; CMC; CMC 2; CMC 3M5T; CMC 41A; CMC 4H1; CMC 4M6; CMC 7H; CMC 7H3SF; CMC 7L1; CMC 7M; CMC 7MT; CMC sodium salt; Collowel; Copagel PB 25; Courlose A 590; Courlose A 610; Courlose A 650; Courlose F 1000G; Courlose F 20; Courlose F 370; Courlose F 4; Courlose F 8; Daicel 1150; Daicel 1180; Edifas B; Ethoxose; Fine Gum HES; Glikocel TA; KMTs 212; KMTs 300; KMTs 500; KMTs 600; Lovosa; Lovosa 20alk.; Lovosa TN; Lucel (polysaccharide); Majol PLX; Modocoll 1200; NaCm-cellulose salt; Nymcel S; Nymcel slc-T; Nymcel ZSB 10; Nymcel ZSB 16; Orabase; Orabase; Polyfibron 120; S 75M; Sanlose SN 20A; Sarcell tel; Sodium carboxmethylcellulose; Sodium cellulose glycolate; Sodium CM-cellulose; Sodium CMC; Sodium CMC; Sodium glycolate cellulose; Sodium salt of carboxymethylcellulose; Tylose 666; Tylose C; Tylose C 1000P; Tylose C 30; Tylose C 300; Tylose C 600; Tylose CB 200; Tylose CB series; Tylose CBR 400; Tylose CBR series; Tylose CBS 30; Tylose CBS 70; Tylose CR; Tylose CR 50; Tylose DKL; Unisol RH; Thylose; Xylomucine; Tylose MGA; Cellolax; Polycell; CMC; cellulose gum (CTFA); sodium carboxymethylcellulose; sodium CMC. Thickening agent. Used in oil well drilling muds, detergents as a soil-suspending agent, wallpaper adhesives, ceramic glazes, emulsion paints, emulsion paints, adhesives, inks, textile sizes; as a protective colloid. White solid; mp >300°. *Berol Nobel AB; Courtaulds Water Soluble Polymers; Delavau J. W. S.; FMC Corp.; Hercules Inc.*

695 Cardolite® NC-507

501-24-6 G



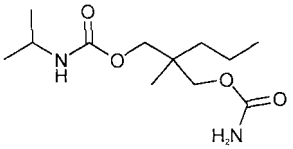
$C_{21}H_{36}O$

3-(n-Pentadecyl)phenol.

Anacardol, tetrahydro-; Cyclogallipharaol; EINECS 207-921-9; Hydrocardanol; Hydroginkgol; 3-Pentadecylphenol; 3-n-Pentadecylphenol; m-Pentadecylphenol; NSC 9781; Phenol, 3-pentadecyl-; Phenol, m-pentadecyl-; Tetrahydroanacardol. Starting raw material for surfactants, antioxidants, anticorrosives; lubricant additive; cosolvent for insecticides, germicides; resin modifier. Needles, mp = 53.5°; bp_8 = 230°, bp_1 = 190-195°; very soluble in Me_2CO, C_6H_6, EtOH. *Whitecourt.*

696 Carisoprodol

78-44-4 1854 D



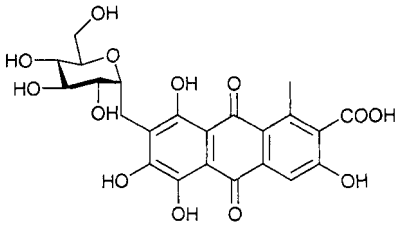
$C_{12}H_{24}N_2O_4$

2-Methyl-2-propyl-1,3-propanediol carbamate iso-propylcarbamate.

4-04-00-00520 (Beilstein Handbook Reference); Apesan; Artifar; Arusal; Atonalyt; Brianil; BRN 1791537; Calenfa; Caprodat; Caridolin; Carisol; Carisoma; Carisoprodate; Carisoprodatum; Cariso-prodol; Carisoprodolo; Carisoprodolum; Carlsodol; Carlsoma; Carlsoprol; Carsodal; Carsodol; CB 8019; CCRIS 4764; Chinchen; Diolene; Domarax; EINECS 201-118-7; Fibrosona; Flexagilt; Flexagit; Flexal; Flexartal; Flexidon; HSDB 3021; Isobamate; Isomeprobamate; Isopropyl meprobamate; Isoprotan; Isoprotane; Isoprothane; Izoprotan; Listaflex; Mediquil; Meprodat; Mioartrina; Miolisodal; Mioratrina; Mioril; Mioriodol; Muslax; NCI-C56235; Neotica; Nospasm; NSC-172124; Rela; Relasom; Sanoma; Sch 7307; Scutamil-C; Skutamil; Soma; Somadril; Somalgit; Somanil; Stiaigin. Skeletal muscle relaxant. Crystals; mp = 92-93°; poorly soluble in H_2O (0.03 g/100 ml at 25°, 0.140 g/100 ml at 50°), soluble in organic solvents; LD_{50} (mus orl) = 2340 mg/kg, (mus ip) = 980 mg/kg, (rat orl) = 1320 mg/kg, (rat ip) = 450 mg/kg. *Schering-Plough HealthCare Products; Wallace Labs.*

697 Carmine

1390-65-4 G



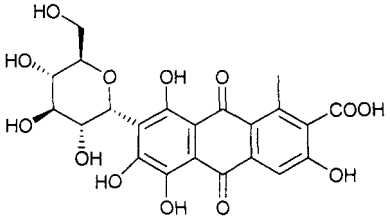
$C_{23}H_{22}O_{13}$

Alum carmine.

B Rose liquid; Carmine; Carmine (Coccus cacti L.); CCRIS 1204; Cochineal (Coccus cacti L.); Cochineal extract lake; EINECS 215-724-4; FEMA No. 2242; FEMA No. 2330. Aluminum lake of the coloring agent, cochineal; cochineal is a natural pigment derived from the dried female insect Coccus cacti; dyes, inks, indicator in chemical analysis, coloring food, medicine. *Aceto Corp.; Greeff R.W. & Co.; Penta Mfg.; Warner-Jenkinson.*

698 Carminic acid

1260-17-9 1855 G



$C_{22}H_{20}O_{13}$

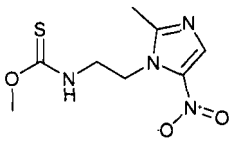
7-α-D-Glucopyrosanosyl-9,10-dihydro-3,5,6,8-tetra-hydroxy-1-methyl-9,10-dioxo-2-anthracenecarboxylic acid.

AI3-18242; 2-Anthracenecarboxylic acid, 7-beta-D-glucopyranosyl-9,10-dihydro- 3,5,6,8-tetrahydroxy-1-methyl-9,10-dioxo; 2-Anthroic acid, 7-D-glucopyrosyl-9,10-dihydro-3,5,6,8-tetrahydroxy-1-methyl-9,10-dioxo-; C.I. 75470; C.I. Natural red 4; Carmine; Carminic acid; CCRIS 1397; CI 75470; CI Natural Red 4; Coccus cacti extract; Cochineal extract; Cochineal tincture; E 120; EINECS 215-023-3; 7-D-Glucopyranosyl-9,10-dihydro-3,5,6,8-tetrahydroxy-1-methyl-9,10-dioxo-2-anthroic acid; 7β-D-Gluco-pyranosyl-9,10-dihydro-3,5,6,8-tetrahydroxy-1-methyl-9,10-dioxo-2-anthracenecarboxylic acid; HSDB 912; Natural red 4; NSC 326224; San-Ei Gen San Red 1; Sanred 1; Sun Red 1; Sun Red No. 1. Aluminum lake of the coloring agent, cochineal; cochineal is a natural pigment derived from the dried female insect Coccus cacti; dyes, inks, indicator in chemical analysis, coloring food, medicine. Red prisms; mp = 136° (dec); $[\alpha]_{D}^{15}$ = +51.6°; (C = 1, H_2O); λ_m = 222, 277, 312, 499 nm (ε

13900, 24100, 7630, 5610, MeOH), 300, 336, 560 nm (ε = 15400, 13800, 5790, MeOH-KOH); insoluble in C_6H_6, $CHCl_3$, slightly soluble in Et_2O, soluble in H_2O, EtOH. *Aceto Corp.; Greeff R.W. & Co.; Penta Mfg.*; Aceto; Greef; Mfg.; Penta; R.; RITA; W.; Warner-Jenkinson.

699 Carnidazole

42116-76-7 1861 G D V



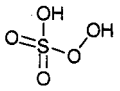
$C_8H_{12}N_4O_3S$

O-Methyl [2-(2-methyl-5-nitroimidazol-1-yl)ethyl]-thiocarbamate.

5-23-05-00062 (Beilstein Handbook Reference); BRN 0620260; Carnidazol; Carnidazole; Carnidazolum; EINECS 255-663-0; ME 108; NSC 293873; R 25831; Spartrix. Antiprotozoal against Trichomonas. Used in veterinary medicine, especially with pigeons. Crystals; mp = 142.4°. *Abbott Laboratories Inc.; Janssen Chimica.*

700 Caro's acid

7722-86-3 1864 G



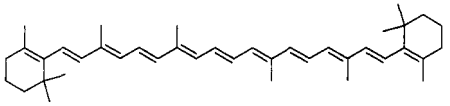
H_2O_5S

Peroxymonosulfuric acid.

Caro's acid; EINECS 231-766-6; Peroxymonosulfuric acid; Peroxomonosulphuric acid. Used in dye manufacture, oxidizing agent, bleaching. Viscous liquid.

701 Carotene

7235-40-7 1866 D G



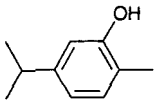
$C_{40}H_{56}$

β-Carotene.

Betacaroteno; Betacarotenum; 'β Carotene; β-Carotene, all-trans-; trans-β-Carotene; β,β-Carotene; all-trans-β-Carotene; C.I. 75130; C.I. Food Orange 5; Carotaben; CCRIS 3245; CI 40800; CI 75130; Cyclohexene, 1,1'-(3,7,12,16-tetramethyl-1,3,5,7,9, 11,13,15,17-octadecanonaene-1,18-diyl)bis(2,6,6-tri-methyl-, (all-E)-; Diet,β-carotene supplementation; E160A; EINECS 230-636-6; Food orange 5; HSDB 3264; Karotin; KPMK; Natural Yellow 26; NSC 62794; Provatene; Provitamin A; Serlabo; Solatene; Solatene (caps); 1,1'-(3,7,12,16-Tetramethyl-1,3,5,7,9,11,13, 15,17-octadecanonaene-1,18-diyl)bis(2,6,6-trimethylcyclohexene), (all E)-; Zlut prirodni 26. Color additive for foods; vitamin A precursor; UV screen. Purple crystals; mp = 183°; λ_m 497, 466 nm; soluble in CS_2, C_6H_6, $CHCl_3$; moderatley soluble in Et_2O, petroleum ether, oils; soluble in C_6H_{14} (0.11 g/100 ml at 0°); poorly soluble in MeOH, EtOH; insoluble in H_2O. *BASF Corp.; Hoffmann-LaRoche Inc.; Lancaster Synthesis Co.; Penta Mfg.; Warner-Jenkinson.*

702 Carvacrol

499-75-2 1887 D G



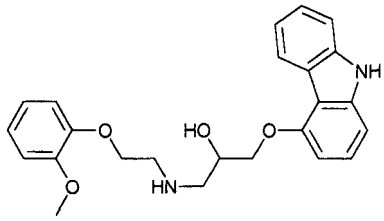
$C_{10}H_{14}O$

2-Methyl-5-(1-methylethyl)phenol.

AI3-03438; Antioxine; BRN 1860514; Carvacrol; Caswell No. 511; CCRIS 7450; EINECS 207-889-6; EPA Pesticide Chemical Code 022104; FEMA No. 2245; HSDB 906; Isopropyl-o-cresol; Karvakrol; NSC 6188; Oxycymol; o-Thymol. Found in oil of origanum; thyme, marjoram, summer savory. Used in perfumes; fungicides, disinfectant, flavoring, organic synthesis.Anthelmintic. Targets nematodes. Used as a general disinfectant and in organic synthesis. Liquid; mp 0°; bp = 237-238°; bp_{18} = 118-122°; bp_3 ≈ 93°; d_4^{20}= 0.976; d_{25}^{25} = 0.9751; λ_m = 277.5 (log ε 3.262 in EtOH); volatile with steam; nearly insoluble in H_2O; soluble in alcohol, Et_2O; LD_{50} (rbt orl) = 100 mg/kg.

703 Carvediol

72956-09-3 1888 D



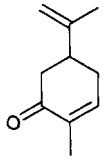
$C_{24}H_{26}N_2O_4$

(±)-1-(Carbazol-4-yloxy)-3-[[2-(o-methoxyphenoxy)ethyl]amino]-2-propanol.

BM 14190; Carvedilol; Carvedilolum; Coreg; Dilatrend; Dimitone; DQ 2466; Eucardic; HSDB 7044; Kredex; Querto; SKF 105517. Non-selective β-adrenergic blocker with vasodilating activity. Antianginal; antihypertensive. Crystals; mp = 114-115°. *Boehringer Mannheim GmbH; SmithKline Beecham Pharm.*

704 Carvone

99-49-0 1889 G



$C_{10}H_{14}O$

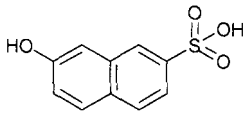
2-Methyl-5-(1-methylethenyl)-2-cyclohexene-1-one.

4-07-00-00316 (Beilstein Handbook Reference); 6,8(9)-p-Menthadien-2-one; AI3-08877; BRN 1364206; Carvol; Carvone; 1-Carvone; 2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-; d-p-Mentha-1(6),8-dien-2-one; Δ^1-Methyl-4-isopropenyl-6-cyclo-hexen-2-one; EINECS 202-759-5; FEMA Number 2249; HSDB 707; Karvon; p-Mentha-6,8-dien-2-one; 2-Methyl-5-(1-methylethenyl)-2-cyclohexen-1-one; 2-Methyl-5-isopropenyl-2-cyclohexenone; NCI-C55867; NSC 6275; $\Delta^{6,8}$-(9)-Terpadienone-2; DL - [99-49-0], D-(+) - [2244-16-8], L-(-) - [6485-40-1]. Used as a flavorant in liqueurs,in perfumery and soaps. D-(+): bp = 228-230°; d = 0.962; L-(-): bp = 228-230°; d = 0.959; DL: bp = 230-231°; d = 0.9645. *Lancaster Synthesis Co.; Penta Mfg.*

705 **Cashew nut oil**
8007-24-7 H

Cashew nut oil.
Cashew nut oil; Cashew nut shell liquid; Cashew nut shell oil (untreated); Cashew, nutshell liq.; CCRIS 7898; EINECS 232-355-4; Oils, cashew nuts

706 **Cassella's acid**
92-40-0 G

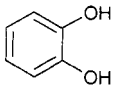


$C_{10}H_8O_4S$
7-Hydroxy-2-naphthalenesulfonic acid.
Cassella's acid; EINECS 202-153-0; F Acid; 2-Hydroxynaphthalene-7-sulfonic acid; 7-Hydroxy-2-naphthalenesulfonic acid; 7-Hydroxynaphthalene-2-sulphonic acid; Mono Acid F; Mono F Acid; Monosulfonic acid F; β-Naphthol-7-sulfonic acid; 2-Naphthalenesulfonic acid, 7-hydroxy-; 2-Naphthol-7-sulfonic acid; 2-Naphthol, 7-sulfo-; NSC 1704. Used as an intermediate for azo dyes. Crystals; mp 89°; soluble in H_2O, EtOH, insoluble in C_6H_6, Et_2O.

707 **Castor Oil**
8001-79-4 D G P

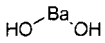
Castor oil.
Aceite de ricino; Aromatic castor oil; Castor oil; Castor oil (*Ricinus communis* L.); Castor oil aromatic; Castor oil [Oil, edible]; Caswell No. 165B; CCRIS 4596; Cosmetol; Crystal O; DB Oil; EINECS 232-293-8; EPA Pesticide Chemical Code 031608; FEMA No. 2263; Gold bond; HSDB 1933; Huile de ricini; LAVCO; NCI-C55163; Neoloid; Oil from seeds of *Ricinus communis*.; Oil of Palma christi; Oleum Ricini; Olio di ricino; Palma christi oil; Phorbyol; Ricini oleum; Ricinol; Ricinus communis oil; Ricinus oil; Tangantangan oil; Triglyceride of ricinoleic, oleic, linoleic, palmitic, stearic acids; Vegetable oil; Viscotrol C. Registered by EPA as an animal repellent and rodenticide. Used as an animal repellent. FDA, FEMA GRAS, FDA approved for injectables, orals, topicals, USP/NF, BP, JP, Ph.Eur. compliance. Used as an oleaginous vehicle, emollient, lubricant, plasticizer, laxative, solvent in intramuscular injectables, solid oral dosage forms, topical pharmaceuticals, capsules and emulsions. Soothing to the eyes, cathartic and purgative. Pale yellow, viscous liquid; mp = -12°; bp = 313°; d = 0.961; soluble in EtOH, AcOH, $CHCl_3$, Et_2O, insoluble in H_2O. Moderately toxic by ingestion. *Acme-Hardesty Co.; Amber Syn.; Arista Ind.; Ashland; CasChem; Charkit; Climax Performance; Degen; Fanning; Greeff R.W. & Co.; Harcros; Lipo; Norman-Fox; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Süd-Chemie; Van Waters & Rogers; Zeochem.*

708 **Catechol**
120-80-9 8089 G H



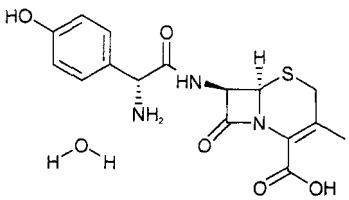
$C_6H_6O_2$
1,2-Dihydroxybenzene.
4-06-00-05557 (Beilstein Handbook Reference); AI3-03995; Benzene, o-dihydroxy-; 1,2-Benzenediol; BRN 0471401; Catechol; CCRIS 741; CI 76500; CI Oxidation Base 26; 1,2-Dihydroxybenzene; ortho-Dihydroxybenzene; Durafur developer C; EINECS 204-427-5; Fouramine PCH; Fourrine 68; HSDB 1436; Kachin; Katechol; NCI-C55856; NSC 1573; Oxyphenic acid; Pelagol Grey C; Phthalhydroquinone; Pyrocatechin; Pyrocatechine; Pyrocatechinic acid; Pyrocatechol; Pyrocatechuic acid; Pyrokatechin; Pyrokatechol. Used as an antiseptic, in photography, dyestuffs, electroplating; specialty inks, light stabilizers. Crystals; mp = 105°; bp = 245°, bp_{400} = 221.5°; bp_{200} = 197.7°; bp_{100} = 176°; bp_{60} = 161.7°; bp_{40} = 150.6°; bp_{20} = 134°; bp_{10} = 118.3°; bp_5 = 104°; d^{22} = 1.1493; λ_m = 278 nm (MeOH); very soluble in H_2O, EtOH, Et_2O, C_6H_6. *Madis Dr. Labs; Sigma-Aldrich Fine Chem.; Snia UK; Spectrum Chem. Manufacturing.*

709 **Caustic baryta**
17194-00-2 980 G



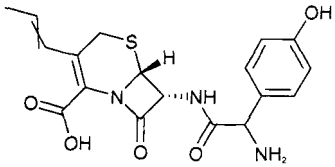
BaH_2O_2
Barium hydroxide.
Barium dihydroxide; Barium hydroxide; Barium hydroxide ($Ba(OH)_2$); Barium hydroxide lime; Caustic baryta; EINECS 241-234-5; HSDB 1605. Used in glass manufacture, rubber vulcanization, corrosion inhibitors, drilling fluids and lubricants. [monohdrate]; White powder; d = 3.743; slightly soluble in H_2O, soluble in acids; [octahydrate]; crystals; mp = 78°; freely soluble in H_2O, MeOH, soluble in EtOH, insoluble in Me_2CO.

710 **Cefadroxil**
66592-87-8 1925 G D



$C_{16}H_{17}N_3O_5S.H_2O$
[6R-[6α,7β(R*)]]-7-[[Amino-(4-hydroxyphenyl)acetyl]-amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene 2-carboxylic acid monohydrate.
Baxan; Baxan Kapseln; Bidocef; Bidocel; BL-S 578; Cefa-Drops; Cefadroxil; Cefadroxil monohydrate; Cefamox; Ceforal; Cefos Granulat; Cephos; Duracef; Duricef; Kefroxil; Kefroxil Kapseln; MJF 11567-3; Moxacef Kapseln; Omnidrox Kapseln; Oracéfal; Sedral; Ultracef. Antibacterial. A semisynthetic cephalosporin antibiotic intended for oral admin-istration. It is a white to yellowish-white crystalline powder. It is soluble in water and it is acid-stable. Powder, mp = 197° (dec). *Bristol-Myers Squibb Pharm. R&D; Mead Johnson Labs.*

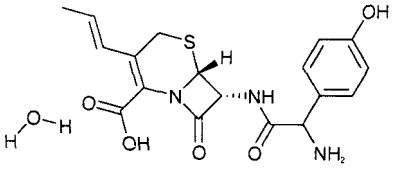
711 **Cefprozil [anhydrous]**
92665-29-7 1955 D



$C_{18}H_{19}N_3O_5S$
[6R-[6α,7β(R*)]]-7-[[Amino(4-hydroxyphenyl)acetyl]-amino]-8-oxo-3-(1-propenyl)-5-thia-1-azabicyclo-[4.2.0]oct-2-ene-2-carboxylic acid.

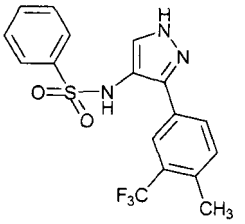
Arzimol; BMY 28100; Brisoral; Cefprozil; Cefprozil anhydrous; Cefprozilo; Cefprozilum; Cronocef; Procef; Serozil. Antibacterial. *Bristol Laboratories.*

712 **Cefprozil**
121123-17-9 1955 D



$C_{18}H_{19}N_3O_5S.H_2O$
[6R-[6α,7β(R*)]]-7-[[Amino(4-hydroxyphenyl)acetyl]-amino]-8-oxo-3-(1-propenyl)-5-thia-1-azabicyclo-[4.2.0]oct-2-ene-2-carboxylic acid monohydrate.
BBS-1067; BMY-28100 [Z form]; BMY-28100-03-800; BMY-28167 [E form]; Cefprozil hydrate; Cefzil; Procef. Antibacterial. [Z Form]: mp = 218-220° (dec); λ_m 228, 279 nm (ε 12300, 9800 pH 7 phosphate buffer); [E Form]: mp = 230° (dec); λ_m 228, 292 nm (ε 13000, 16900 pH 7 phosphate buffer). *Bristol Laboratories.*

713 **Celecoxib**
169590-42-5 1968 D

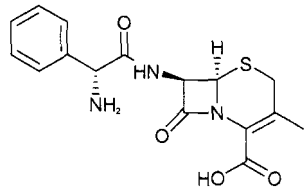


$C_{17}H_{14}F_3N_3O_2S$
4-[5-(4-Methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl] benzenesulfonamide.
Celebra; Celebrex; Celecoxib; HSDB 7038; SC 58635; YM 177; YM177. A COX-2 inhibitor. Anti-inflammatory, used as an NSAID, especially in pain control in arthritis. *Searle G.D. & Co.*

714 **Celluflow C-25**
9004-34-6 1977 E G

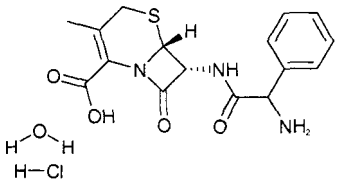
$(C_6H_{10}O_5)x$
Cellulose.
α Cel PB 25; α-Cellulose; β-Amylose; Abicel; Arbocel; Arbocel BC 200; Arbocell B 600/30; Avicel; Avicel 101; Avicel 102; Avicel CL 611; Avicel PH; Avicel PH 101; Avicel PH 105; Avicel RC/CL; CCRIS 6600; Cellex MX; Cellulose; Cellulose 248; Cellulose crystalline; Cellulose, microcrystalline; Cellulose regenerated; Cellulose, respirable fraction; Cellulose, total dust; Celufi; Cepo CFM; CEPO; CEPO S 20; CEPO S 40; Chromedia CC 31; Chromedia CF 11; Cupricellulose; EINECS 232-674-9; Elcema F 150; Elcema G 250; Elcema P 050; Elcema P 100; Fresenius D 6; Heweten 10; Hydroxycellulose; Kingcot; LA 01; Microcrystalline cellulose; MN-Cellulose; Onozuka P 500; Pyrocellulose; Rayon; Rayon flock; Rayophane; Rayweb Q; Rexcel; Sigmacell; Solka-fil; Solka-floc; Solka-floc BW 20; Solka-floc BW 100; Solka-floc BW; Solka-floc BW 2030; Solka-floc BW 200; Spartose OM-22; Sulfite cellulose; Tomofan; Tunicin; Whatman CC-31; Wood pulp, bleached. Cosmetic ingredient with excellent oil absorbency, moisture retention, high lubricity for powders, emulsions and anhydrous systems. FDA GRAS, Europe listed, UK approved, USP/NF, BP, Ph.Eur., Japan compliance. Used as a tablet binder and disintegrant, lubricant, capsule/tablet filler and diluent, filler, filter aid, sorbent, suspending agent, viscosity-increasing agent. Insoluble in H_2O and organic solvents. *Presperse.*

715 **Cephalexin [anhydrous]**
15686-71-2 1986 D



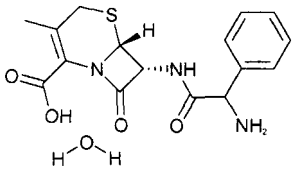
$C_{16}H_{17}N_3O_4S$
[6R-[6α,7β(R*)]]-7-[(Aminophenylacetyl)amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid.
Alcephin; Alexin; Alsporin; Biocef; BRN 0965503; Carnosporin; Cefa-iskia; Cefablan; Cefadal; Cefadin; Cefadina; Cefaleksin; Cefalessina; Cefalexin; Cefaiexina; Cefalexine; Cefalexinum; Cefalin; Cefaloto; Cefaseptin; Cefax; Ceforal; Cefovit; Celexin; Cepastar; Cepexin; Cephacillin; Cephalexin; Cephalexine; Cephalexinum; Cephanasten; Cephaxin; Cephin; Cepol; Ceporex; Ceporex Forte; Ceporexin; Ceporexin-E; Ceporexine; Check; Cophalexin; Durantel; Durantel DS; Ed A-Ceph; EINECS 239-773-6; Erocetin; Factagard; Felexin; Fexin; HSDB 3022; Ibilex; Ibrexin; Inphalex; Kefalospes; Keflet; Keflex; Kefolan; Keforal; Kekrinal; Kidolex; L-Keflex; Lafarine; Larixin; Lenocef; Lexibiotico; Lilly 66873; Lonflex; Lopilexin; Madlexin; Mamalexin; Mamlexin; Medoxine; Neokef; Neolexina; Novolexin; Nufex; Oracef; Oriphex; Oroxin; Ortisporina; Ospexin; Palitrex; Pectril; Pyassan; Roceph; Roceph Distab; S 6437; Sanaxin; Sartosona; Sencephalin; Sepexin; Servispor; Sialexin; Sinthecillin; Sporicef; Sporidex; SQ 20248; Syncl; Syncle; Synecl; Tepaxin; Tokiolexin; Uphalexin; Voxxim; Winlex; Zozarine.; Alfaspoven [as sodium salt]. Antibacterial. White solid; λ_m = 260 nm (ε 7750). *Eli Lilly & Co.*

716 **Cephalexin hydrochloride**
105879-42-3 1986 D



$C_{16}H_{20}ClN_3O_5S$
[6R-[6α,7β(R*)]]-7-[(Aminophenylacetyl)amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid hydrochloride monohydrate.
Cephalexin hydrochloride; Cephalexin monohydro-chloride monohydrate; Keftab; LY061188. Anti-bacterial. Crystals; LD_{50} (mus orl) = 1600-4500 mg/kg, (mus ip) = 400-1300 mg/kg, (rat orl) > 5000 mg/kg, (rat ip) > 3700 mg/kg. *Eli Lilly & Co.*

717 **Cephalexin monohydrate**
23325-78-2 1986 D



$C_{16}H_{17}N_3O_4S.H_2O$

[6R-[6α,7β(R*)]]-7-[(Aminophenylacetyl)amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid monohydrate.

Adcadina; Ambal; Beliam; Cefa-Iskia; Cefacet; Cefalekey; Cefalexgobens; Cefalexin generics; Cefalexin Scand Pharm; Cefalexina Northia; Cefalexina Richet; Cefalival; Ceffanex; Cefibacter; Cephalex von ct; Cephalexin monohydrate; Cephalobene; Ceporex; Ceporexin; Cusisporina-Cefalox; Domucef; Doriman; Efemida; Henina Oral; Karilexina; Keflet; Keflex; Keforal; Maksipor; Medolexin; Oracef; Ortisporina; Prindex; Rilexine; Sartosona; Servicef; Servispor; Sintolexyn. Antibacterial. λ_m = 260 nm (ε = 7750); pKa = 5.2, 7.3; [monohydrate]: LD_{50} (rat orl) > 5000 mg/kg. *Bristol-Myers Oncology; Eli Lilly & Co.; Lemmon Co.*

718 Cerium

7440-45-1 2003 G

Ce

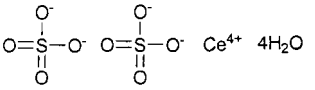
Ce

Cerium.

Cerium; EINECS 231-154-9; UN3078. A rare-earth element; used in manufacture of cerium salts, cerium-iron alloys, ignition devices, military signaling, illuminant in photography, reducing scavenger, catalyst, alloys for jet engines, solid state devices, rocket propellants, vacuum tubes, Metal; mp = 815°; bp = 3257°; d = 6.77. *Cerac; Ferro/Transelco; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

719 Cerium sulfate

10294-42-5 G



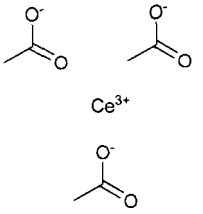
$CeO_8S_2.4H_2O$

Ceric sulfate tetrahydrate.

Sulfuric acid, cerium(4+) salt (2:1), tetrahydrate. Dyeing and printing textiles, analytical reagent, waterproofing, mildewproofing. *Atomergic Chemetals; Noah Chem.; Rhône-Poulenc.*

720 Cerous acetate

537-00-8 H



$C_6H_9CeO_6$

Acetic acid, cerium(3+) salt.

Acetic acid, cerium(3+) salt; Cerium acetate; Cerium triacetate; Cerium(3+) acetate; Cerium(III) acetate; Cerous acetate; EINECS 208-654-0.

721 Cesium

7440-46-2 2018 G

Cs

Cs

Cesium.

Caesium; Cesium; Cesium-133; EINECS 231-155-4; UN1407. An alkali-metal (Group I) element; Cs; used in photoelectric cells, vacuum tubes, hydrogenation catalyst, ion propulsion systems, rocket propellant, heat transfer fluid, thermochemical reactions. Metal; mp = 28.5°, bp = 706°. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Sigma-Aldrich Fine Chem*

722 Cesium bromide

7787-69-1 2019 G

Cs—Br

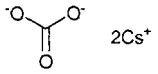
CsBr

Hydrobromic acid cesium salt.

Caesium bromide; Cesium bromide; Cesium bromide (CsBr); EINECS 232-130-0; NSC 84269; Tricesium tribromide. Crystals for infrared spectroscopy, scintillation counters, fluorescent screens. Crystals; mp = 636°; bp = 1300°; d = 4.44; very soluble in H_2O, soluble in EtOH, insoluble in Me_2CO; LD_{50} (rat ip) =1.4 g/kg. *Cabot Carbon Ltd.; Cerac; Noah Chem.*; 3973Atomergic; Cabot; Cerac; Chemetals; Chemical; Noah.

723 Cesium carbonate

534-17-8 2020 G



CCs_2O_3

Cesium(I) carbonate.

Carbonic acid, dicesium salt; Cesium carbonate (Cs_2CO_3); Dicesium carbonate; EINECS 249-784-8; NSC 112218. Used in brewing, mineral waters, in specialty glasses, as a polymerization catalyst for ethylene oxide. Soluble in H_2O, organic solvents. *Cabot Carbon Ltd.; Cerac; Sigma-Aldrich Fine Chem.*

724 Cesium chloride

7647-17-8 2021 G

Cs—Cl

CsCl

Hydrochloric acid cesium salt.

Caesium chloride; Cesium chloride; Cesium chloride (CsCl); Cesium monochloride; Dicesium dichloride; EINECS 231-600-2; NSC 15198; Tricesium trichloride. Used in brewing; preparation of cesium compounds; mineral waters; evacuation of radio tubes; in ultracentrifuge separations; fluorescent screens; contrast medium. Crystals; mp = 646°; bp = 1303°; d = 3.99; LD_{50} (rat ip) = 1.5 g/kg. *Accurate Chem. & Sci. Corp.; Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Janssen Chimica.*

725 Cesium fluoride

13400-13-0 G

Cs—F

CsF

Hydrofluoric acid cesium salt.

Caesium fluoride; Cesium fluoride; Cesium fluoride (CsF); Cesium monofluoride; Dicesium difluoride; EINECS 236-487-3; NSC 84270; Tricesium trifluoride. Used in optics, catalysis, specialty glasses. *Atomergic Chemetals; Cerac; Noah Chem.; Spectrum Chem. Manufacturing.*

726 Cesium hydroxide

21351-79-1 2022 G

Cs—OH

CsOH

Cesium hydroxide.

Caesium hydroxide; Caesium hydroxide, solution; Cesium hydrate; Cesium hydroxide; Cesium hydroxide (Cs(OH)); EINECS 244-344-1; NSC 121987; UN2681; UN2682. Electrolyte in alkaline storage batteries (especially at subzero temperatures), polymerization catalyst for siloxanes. Yellow-white crystals; mp = 272°; d = 3.68; LD_{50} (rat ip) = 100 mg/kg. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

727 Cesium iodide

7789-17-5 2023 G

Cs—I

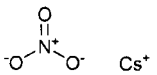
CsI

Hydriodic acid cesium salt.

Caesium iodide; Cesium iodide; Cesium iodide (CsI); Cesium monoiodide; Dicesium diiodide; EINECS 232-145-2; NSC 15199; Tricesium triiodide. Crystals for infrared spectroscopy, scintillation counters, fluorescent screens. Crystals; mp = 621°, bp = 1280°; d = 4.5; LD_{50} (rat ip) = 1.4 g/kg. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

728 Cesium nitrate

7789-18-6 2024 G



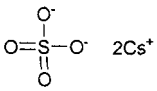
$CsNO_3$

Nitric acid cesium salt.

Caesium nitrate; Cesium nitrate; Cesium(I) nitrate (1:1); EINECS 232-146-8; Nitric acid, cesium salt; NSC 84271; UN1451. Crystals; mp = 414°; d^{20} = 3.64-3.68; LD_{50} (rat ip) = 1.2 g/kg. *Cabot Carbon Ltd.; Cerac; Noah Chem.*

729 Cesium sulfate

10294-54-9 2025 G



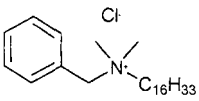
Cs_2O_4S

Sulfuric acid cesium salt.

Caesium sulphate; Cesium sulfate; Dicesium sulfate; EINECS 233-662-6; Sulfuric acid, dicesium salt. Used in brewing, mineral waters, for density gradient in ultracentrifuge separation. Crystals; mp = 1019°; d = 4.24; soluble in H_2O, insoluble in organic solvents. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Sigma-Aldrich Fine Chem.*

730 Cetalkonium chloride

122-18-9 2026 D G



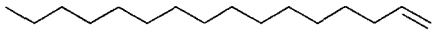
$C_{25}H_{46}ClN$

Benzylhexadecyldimethylammonium chloride.

Acinol; AI3-03464; Ammonium, benzyldimethyl-hexadecyl-, chloride; Ammonyx G; Ammonyx T; Baktonium; Banicol; Benzaletas; Benzenemethan-aminium, N-hexadecyl-N,N-dimethyl-, chloride; Benzylcetyldimethylammonium chloride; N-Benzyl-N-cetyldimethylammonium chloride; Benzyldimethyl-cetylammonium chloride; Benzyldimethylhexadecyl-ammonium chloride; Benzylhexadecyldimethyl-ammonium chloride; Bicetonium; Bonjela; Cdbac; Cetalconio cloruro; Cetalkonii chloridum; Cetalkonium chloride; Cetol; Cetyl dimethyl benzyl ammonium chloride; Cetyl zephiran; Cetylbenzyldimethyl-ammonium chloride; Cetylon; Chlorure de cetalkonium; Cloruro de cetalconio; Dehyquart CBB; Dehyquart CDB; Dimethylbenzylcetylammonium chloride; Dimethylbenzylhexadecylammonium chloride; Dmcbac; EINECS 204-526-3; Hexadecyl-benzyldimethylammonium chloride; Hexadecyl-dimethylbenzylammonium chloride; n-Hexadecyl-dimethylbenzylammonium chloride; N-Hexadecyl-N,N-dimethylbenzenemethanaminium chloride; NSC 32942; Pharycidin concentrate; Rodalon; Spilan; Sumquat® 6050; Tetraseptan; WIN 357; Winzer solution; Zettyn. Cationic quaternary ammonium surfactant germicide and fungicide. Used as a topical anti-infective. White solid; mp = 59°; soluble in H_2O, EtOH, Me_2CO, EtOAc, propylene glycol, sorbitol solutions, glycerol, Et_2O, CCl_4; pH of aqueous solutions 7.2. *I.G. Farben; ICI; Sterling Winthrop Inc.; Zeeland Chem. Inc.*

731 Cetene

629-73-2 G H



$C_{16}H_{32}$

Hexadec-1-ene.

AI3-06556; Cetene; 1-Cetene; Cetylene; Dialene 16; EINECS 211-105-8; Gulftene 16; α-Hexadecene; 1-Hexadecene; 1-n-Hexadecene; n-Hexadec-1-ene; Hexadecylene-1; α-Hexadecylene; HSDB 5730; NSC 60602. Intermediate for biodegradable surfactants and specialty industrial chemicals. Liquid; mp = 2.1°; bp = 284.9°; d^{20} = 0.7811; insoluble in H_2O, soluble in EtOH, Et_2O, CCl_4, petroleum ether. *Shell.*

732 Ceteth-15

9004-95-9 E G

$C_{56}H_{114}O_{21}$

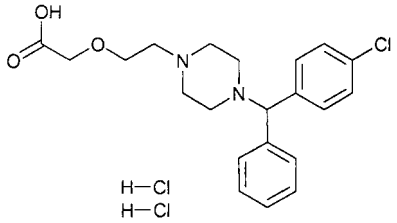
POE (15) cetyl ether.

Alfonic 16-8; Akyporox RC 200; Atlas G 3802; Atlas G 3816; BC 2; BC 7; BC 10; BC 20; BC 20 TX; BC 30 TX; BC 8SY; Berol 28; Blaunon CH 340; BRIJ 38; BRIJ 52; BRIJ 56; BRIJ 58; BRIJ W1; C 30 (polyoxyalkylene); CA 16; Ceteth; Ceteth-1; Ceteth-2; Ceteth-3; Ceteth-4; Ceteth-5; Ceteth-6; Ceteth-12; Ceteth-14; Ceteth-15; Ceteth-16; Ceteth-20; Ceteth-24; Ceteth-25; Ceteth-30; Ceteth-45; Cetocire; Cetomacrogol; Cetomacrogol 1000; Cetomacrogol 1000 BPC; Cetomacrogolum 1000; Cetyl alcohol, ethoxylated; Cetyl poly(oxyethylene) ether; Cirrasol ALN-WF; Collone AC; Emalex 103; Emalex 105; Emalex 110; Emalex 115; Emalex 120; Emulgen 210; Emulgen 2200; Ethosperse CL20; Ethoxylated cetyl alcohol; Ethoxylated hexadecyl alcohol; Ethoxylated(20) cetyl alcohol; Ethylene glycol monocetyl ether; G 3802; G 3802POE; G 3804POE; G 3816; G 3820; Glycols, polyethylene, monohexadecyl ether (8CI); 1-Hexadecanol, monoether with polyethylene glycol; α-Hexadecyl-ω-hydroxy-poly(oxy-1,2-ethanediyl); α-Hydroxy-ω-cetylpoly(ethylene oxide); Hexadecylpoly-(ethyleneoxy) ethanol;

Lipocol C2; Lubrol W; Nikkol BC; Nikkol BC 15TX; Nikkol BC 20TX; Nikkol BC 30; Nikkol BC 40; Nissan nonion P 208; Nissan nonion P 210; Nissan nonion P 213; Nissan nonion P 220; Nonion P 208; Nonion P 210; NTS 40; OS 30; OS 55; OTsS 14; OTsS 20; Oxyethylenated hexadecyl alcohol; PEG-1 Cetyl ether; PEG-3 Cetyl ether; PEG-4 Cetyl ether; PEG-5 Cetyl ether; PEG-6 Cetyl ether; PEG-12 Cetyl ether; PEG-14 Cetyl ether; PEG-15 Cetyl ether; PEG-16 Cetyl ether; PEG-20 Cetyl ether; PEG-24 Cetyl ether; PEG-25 Cetyl ether; PEG-30 Cetyl ether; PEG-45 Cetyl ether; Poly(oxy-1,2-ethanediyl), α-hexadecyl-ω-hydroxy-; Poly(oxyethylene)cetyl ether; Poly(oxy-ethylene)hexadecyl ether; Poly(oxyethylene)monocetyl ether; Poly(oxyethylene)palmityl ether; Polyethylene glycol (3) cetyl ether; Polyethylene glycol (5) cetyl ether; Polyethylene glycol (14) cetyl ether; Polyethylene glycol (15) cetyl ether; Polyethylene glycol (16) cetyl ether; Polyethylene glycol (24) cetyl ether; Polyethylene glycol (25) cetyl ether; Polyethylene glycol (30) cetyl ether; Polyethylene glycol (45) cetyl ether; Polyethylene glycol 200 cetyl ether; Polyethylene glycol 300 cetyl ether; Polyethylene glycol 600 cetyl ether; Polyethylene glycol 1000 cetyl ether; Polyethylene glycol 1000 monocetyl ether; Polyethylene glycol cetyl ether; Polyethylene glycol monocetyl ether; Polyethylene glycol palmityl ether; Polyethylene glycols monohexadecyl ether; Polyethylene oxide cetyl ether; Polyethylene oxide hexadecyl ether; Polyoxyethylated cetyl alcohol; Polyoxyethylene (3) cetyl ether; Polyoxyethylene (4) cetyl ether; Polyoxyethylene (5) cetyl ether; Polyoxyethylene (6) cetyl ether; Polyoxyethylene (12) cetyl ether; Polyoxyethylene (14) cetyl ether; Polyoxyethylene (15) cetyl ether; Polyoxyethylene (16) cetyl ether; Polyoxyethylene (20) cetyl ether; Polyoxyethylene (24) cetyl ether; Polyoxyethylene (25) cetyl ether; Polyoxyethylene (30) cetyl ether; Polyoxyethylene (45) cetyl ether; Polyoxyethylene monohexadecyl ether; Romopal O; S 30; Ts 14; Ts 20; Ts 30; Ts 35; Ts 35 (polymer); Ts 40; Ts 55; Ts 62; Ts A 16. Solubilizer for cosmetic products. Emulsifier for pharmaceuticals. *Chem-Y GmbH.*

733 Cetirizine Dihydrochloride

83881-52-1 2030 D



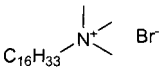
$C_{21}H_{25}ClN_2O_3.2HCl$

(±)-[2-[4-(p-Chloro-α-phenylbenzyl)-1-piperazinyl]ethoxy]acetic acidetirizine hydrochloride.

Alercet; Alergex; Alerid; Alerlisin; Alertisin; Cetirizine hydrochloride; Cetriler; Cetrine; Cetzine; Cezin; Formistin; P 071; Reactine; Ressital; Riztec; Ryzen; Salvalerg; Setiral; Stopaler; Triz; UCB-P 071; Virdos; Virlix; Xero-sed; Zirtek; Zirtin; Zyriex; Zyrtec; Zyrtec-D; Zyrzine. Antihistaminic. Crystals; mp = 225°. *Pfizer Inc.*

734 Cetrimonium bromide

57-09-0 2034 G



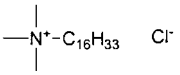
$C_{19}H_{42}BrN$

Cetyl trimethyl ammonium bromide.

(1-Hexadecyl)trimethylammonium bromide; 1-Hexadecanaminium, N,N,N-trimethyl-, bromide; Acetoquat CTAB; AI3-12209; Ammonium, hexadecyltrimethyl-, bromide; Bromat; Bromure de cetrimonium; Bromuro de cetrimonio; C.T.A.B.; Caswell No. 167; Cee dee; Centimide; Cetab; CETAB; Cetaflon; Cetarol; Cetavlex; Cetavlon; Cetavlon bromide; Cetrimide; Cetrimide bp; Cetrimonii bromidum; Cetrimonio bromuro; Cetylamine; Cetyltrimethyl-ammonium bromide; N-Cetyl-trimethylammonium bromide; Cirrasol OD; CTAB; CTABr; Ctmab; Cycloton V; EINECS 200-311-3; EPA Pesticide Chemical Code 069117; Hexadecyl trimethyl ammonium bromide; n-Hexadecyltrimethylammonium bromide; HTAB; Lauroseptol; Lissolamin V; Lissolamine; Lissolamine A; Lissolamine V; Mical; Micol; NSC 32927; Palmityltrimethyl ammonium bromide; Pollacid; Quamonium; Rhodaquat® M242B/99; Softex KW; Sumquat® 6030; Suticide; Trimethylcetylammonium bromide; Trimethylhexadecylammonium bromide; Varisoft® CTB-40. Germ-icide, sanitizing agent. Quaternary ammonium comp-ound used in conditioners to increase antistatic and comb out effects. Cationic detergent and antiseptic. Also used as a laboratory reagent. mp = 237-243°; soluble in 10 parts H_2O, freely soluble in EtOH, sparingly soluble in Me_2CO, insoluble in Et_2O, C_6H_6; LD_{50} (mus, iv) = 32.0, 44.0 mg/kg. *Aceto; Hexcel; ICI Chem. & Polymers Ltd.; Rhône Poulenc Surfactants.*

735 Cetrimonium chloride

112-02-7 G H



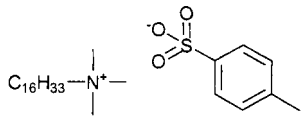
$C_{19}H_{42}ClN$

N,N,N-Trimethyl-1-hexadecanaminium chloride.

Adogen 444; Aliquat 6; Ammonium, hexadecyl-trimethyl-, chloride; Ammonyx Cetac 30; Arquad 16; Arquad 16-25LO; Arquad 16-25W; Arquad 16-26; Arquad 16/28; Arquad 16-29; Arquad 16-29W; Arquad 16-50; Barquat® CT 29; Carsoquat CT 429; Caswell No. 167A; Catinal CTC 70ET; Cation PB 40; CETAC; Cetrimonium chloride; Cetyltrimethylammonium chloride; Dehyquart A; Dehyquart A-CA; Dodigen 1383; EINECS 203-928-6; EPA Pesticide Chemical Code 069133; FSM 28; Genamin CTAC; HDTMA-Cl; Hexadecyltrimethylammonium chloride; N-Hexadecyltrimethylammonium chloride; HSDB 5553; HTAC; Intexan CTC 29; Intexsan CTC 29; Intexsan CTC 50; Lebon TM 16; Lebon TM 60; Morpan CHA; Nissan Cation PB 40; Palmityltrimethylammonium chloride; PB 40; Pionin B 611; Quartamin 60W; Quatramine C 16/29; Radiaquat 6444; Rhodaquat® M242C/29; Surfroyal CTAC; Swanol CA 2350; Trimethylcetylammonium chloride; N,N,N-Trimethyl-1-hexadecanaminium chloride; Trimethylhexadecyl-ammonium chloride; Variquat E 228; Varisoft® 250; Varisoft® 300; Varisoft® 355. Softener, antistat, detergent for textile, leather, detergent, and cosmetic industries; clay modifier. Surfactant with conditioning and emolliency effect on hair, used as a base for hair conditioners/creme rinses; antistat, surfactant, emulsifier; hair grooming aids; imparts softness and manageability without greasiness. Coagulating agent in manufacturing of antibiotics. Solid; d = 0.968. *CK Witco Corp.; Fina Chemicals; Lonzagroup; Rhône Poulenc Surfactants.*

736 Cetrimonium tosylate

138-32-9 2034 G



$C_{26}H_{49}NO_3S$

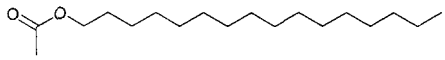
Cetrimonium p-toluene sulfonate.

Cetats®; Cetyl trimethyl ammonium p-toluene sulfonate; EINECS 205-324-8; Hexadecyltrimethyl-ammonium toluene-p-sulphonate; 1-Hexadecan-aminium, N,N,N-trimethyl-, salt with 4-methyl-benzenesulfonic acid (1:1); N,N,N-Trimethyl-1-hexadecanaminium salt with 4-methylbenzenesulfonic acid; Trimethylcetylammonium p-

toluenesulfonate. Surfactant and topical antiseptic. *Zeeland Chem. Inc.*

737 Cetyl acetate

629-70-9 G



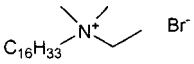
$C_{18}H_{36}O_2$

n-Hexadecyl acetate.

4-02-00-00171 (Beilstein Handbook Reference); Acelan A; Acetic acid, hexadecyl ester; 1-Acetoxyhexadecane; AI3-01025; BRN 1782695; Cetyl acetate; EINECS 211-103-7; ENT 1025; 1-Hexadecanol, acetate; n-Hexadecyl ethanoate; NSC 8492; Palmityl acetate. Liquid; mp = -18.5°; bp_{205} = 220-225°; d^{25} ■ 0.8574; insoluble in H_2O, slightly soluble in EtOH, soluble in CCl_4. *Fabriquimica.*

738 Cetyldimethylethylammonium bromide

124-03-8 2038 G



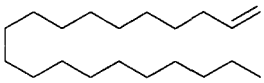
$C_{20}H_{44}BrN$

N-Ethyl-N,N-dimethyl-1-hexadecanaminium bromide.

AI3-12210; Alkenyl dimethyl ethyl ammonium bromide; Ammonium, ethylhexadecyldimethyl-, bromide; Ammonyx DME; Bretol; Caswell No. 165E; CDA; Cetethyldimonium bromide; Cetyl dimethyl ethyl ammonium bromide; Cetylcide; Cetyldimethylethyl-ammonium bromide; Dimethylethylhexadecyl-ammonium bromide; EINECS 204-672-8; EPA Pesticide Chemical Code 069156; Ethyl cetab; Ethyl hexadecyl dimethyl ammonium bromide; Ethylhexadecyldimethylammonium bromide; 1-Hexadecanaminium, N-ethyl-N,N-dimethyl-, bromide; Hexadecyldimethylethylammonium bromide; NSC 8494; Quaternium-17; Radiol germicidal solution; Sumquat® 6020. Used as a disinfectant, laboratory reagent and antiseptic in detergents. Solid; mp = 178-186° (dec); soluble in H_2O, EtOH, less soluble in organic solvents; LD_{50} (rat orl) = 500 mg/kg. *Hexcel.* -

739 Cetyl ethylene

3452-07-1 G



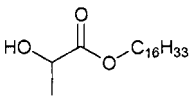
$C_{20}H_{40}$

1-Eicosene.

AI3-36496; Cetyl ethylene; α-Eicosene; 1-Eicosene; EINECS 222-374-6; Icos-1-ene; Neodene® 20; NSC 77138. Intermediate for biodegradable surfactants and specialty industrial chemicals. Solid; mp = 29°; bp = 342°, bp_2 = 151°; d^{30} = 0.7882; insoluble in H_2O, soluble in C_6H_6, petroleum ether. *Shell.*

740 Cetyl lactate

35274-05-6 2039 G



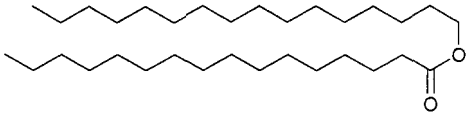
$C_{19}H_{38}O_3$

2-Hydroxypropionic acid hexadecyl ester.

AI3-14483; Cetyl lactate; EINECS 252-478-7; n-Hexadecyl-2-hydroxypropanoate; Hexadecyl lactate; n-Hexadecyl lactate; Propanoic acid, 2-hydroxy-, hexadecyl ester; Ceraphyl® 28. A non-ionic emollient binder for pressed powders, lipsticks, hair products Solid; mp = 41°; bp_1 = 170°. *Am. Biorganics; Van Dyk.*

741 Cetyl palmitate

540-10-3 2040 G



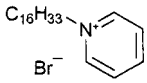
$C_{32}H_{64}O_2$

n-Hexadecyl hexadecanoate.

4-02-00-01168 (Beilstein Handbook Reference); BRN 1805188; Cetin; Cetyl palmitate; EINECS 208-736-6; Hexadecanoic acid, hexadecyl ester; Hexadecyl palmitate; Kemester® CP; Kessco® 653; Palmitic acid, hexadecyl ester; Palmityl palmitate; Radia® 7500; Rewowax CG; Standamul 1616; Waxenol® 815; Crodamol CP. Emollient for replacing spermaceti wax. Used as a base for ointments and in manufacture of candles and soaps, as a consistency factor in creams, ointmnets, liquid emulsions and fatty make-ups. Leaflets; mp = 54°; d^{20} = 0.989; insoluble in H_2O, very soluble in EtOH, Et_2O. *Croda Surfactants; Henkel/Cospha; Henkel; Sherex; Smith Werner G.; Stepan; Witco/Humko.*

742 Cetylpyridinium bromide

140-72-7 G P



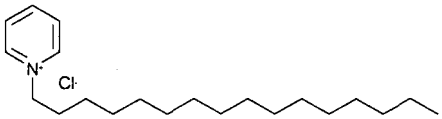
$C_{21}H_{38}BrN$

1-Hexadecylpyridinium bromide.

Acetoquat CPB; Bromocet; Caswell No. 166; Cetapharm; Cetasol; Cetazol; Cetazolin; Cetyl pyridinium bromide; Cetylpyridinium bromide; 1-Cetylpyridinium bromide; N-Cetylpyridinium bromide; Cetylpyridine bromide; Cetylpyridinium bromide; EINECS 205-428-3; EPA Pesticide Chemical Code 069118; Fixanol C; Hexadecylpyridinium bromide; N-Hexadecylpyridinium bromide; Hexadecylpyridine bromide; HSDB 6859; Morpan CBP; Nitrogenol; NSC 8495; Pyridinium, 1-hexadecyl-, bromide; Seprisan; Sterogenal; Sterogenol; TsPB. Germicide, sanitizing agent. Crystals; mp = 67-69°. *Aceto Corp.*

743 Cetylpyridinium chloride [anhydrous]

123-03-5 2041 G D



$C_{21}H_{38}ClN$

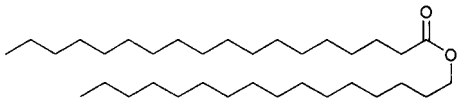
1-Hexadecylpyridinium chloride.

Acetoquat CPC; AI3-15070; Aktivex; Ammonyx CPC; Biosept; Caswell No. 166A; Ceeprin chloride; Ceepryn; Ceepryn chloride; Cepacol; Cepacol chloride; Ceprim; Cetamium; Cetilpiridinio cloruro; Cetyl pyridinium chloride; Cetylpyridini chloridum; Cetylpyridinium chloride; Cetylpyridinium chloride anhydrous; Chlorure de

cetylpyridinium; Cloruro de cetilpiridinio; Dobendan; EINECS 204-593-9; EPA Pesticide Chemical Code 069160; Fixanol C; Hexadecylpyridinium chloride; HSDB 38; Intexsan CPC; Medilave; Merocet; NSC 14864; Pristacin; Pyrisept; Quaternario CPC; Swabettes Hoechst; Tserigel. Antiseptic, disinfectant and germicide. Used as a sanitizing agent. White powder; mp = 80°; very soluble in H_2O, $CHCl_3$; LD_{50} (rat orl) = 200 mg/kg. *Aceto Corp.; Hexcel; Lancaster Synthesis Co.; Marion Merrell Dow Inc.; Spectrum Chem. Manufacturing; Weiders Farmasoytiske A/S; Zeeland Chem. Inc*

744 Cetyl stearate

1190-63-2 G



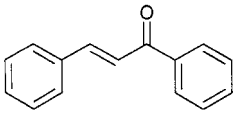
$C_{34}H_{68}O_2$

n-Hexadecyl stearate.

Cetyl stearate; EINECS 214-724-1; Hexadecyl stearate; 1-Hexadecyloctadecanoate; n-Hexadecyl stearate; Octadecanoic acid, 1-hexadecyl ester; Octadecanoic acid, hexadecyl ester. Used as an emollient. Leaflets; mp = 57°; very soluble in Me_2CO, Et_2O, $CHCl_3$. *Koster Keunen; Sherex.*

745 Chalkone

94-41-7 2045 G



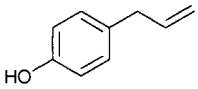
$C_{15}H_{12}O$

1,3-Diphenyl-2-propen-1-one.

Acrylophenone, 3-phenyl-; AI3-00946; Benzalaceto-phenone; 2-Benzalacetophenone; 1-Benzoyl-1-phenylethene; 1-Benzoyl-2-phenylethene; Benzylidene acetophenone; 2-Benzylideneacetophenone; α-Benzyl-ideneacetophenone; β-Benzoylstyrene; CCRIS 2213; Chalcone; Chalkone; Cinnamophenone; 1,3-Diphenyl-1-propen-3-one; 1,3-Diphenylpropenone; EINECS 202-330-2; NSC 26612; β-Phenylacrylophenone; 3-Phenylacrylophenone; 1-Phenyl-2-benzoylethylene; Phenyl 2-phenylvinyl ketone; Phenyl styryl ketone; 2-Propen-1-one, 1,3-diphenyl-; Styryl phenyl ketone. Pale yellow leaflets; mp = 59°; bp = 346° (dec), bp_{25} = 208°; d_4^{62}= 1.0712; insoluble in H_2O, soluble in EtOH, Et_2O. *Showa Denko.*

746 Chavicol

501-92-8 2058 G



$C_9H_{10}O$

4-(2-Propenyl)phenol.

4-Allylphenol; p-Allylphenol; CCRIS 3208; Chavicol; EINECS 207-929-2; p-Hydroxyallylbenzene; σ-(p-Hydroxyphenyl)-α-propylene; NSC 290195; Phenol, 4-(2-propenyl)-; Phenol, p-allyl-. Occurs in many essential oils such as volatile betel oil. Liquid; mp = 15.8°; bp = 238°, bp_{16} = 123°; insoluble in H_2O, very soluble in EtOH, Et_2O, $CHCl_3$.

747 Chevron 100

68602-80-2 H

Aromatic petroleum distillate.

Aromatic oil distillate; Aromatic petroleum distillate; (C_{12}-C_{30}) Aromatic oil; Caswell No. 055; Chevron 100; Distillates (petroleum), C_{12-30} aromatic; Distillates, aromatic petroleum; EINECS 271-620-9; EPA Pesticide Chemical Code 006601; Espesol 3A; Petroleum derived aromatic hydrocarbons. Registered by EPA as an insecticide. *Amvac Chemical Corp.; Quest Chemical Corp.; Valent USA Corp.*

748 Chimassorb® 119FL

106990-43-6 G

$C_{124}H_{234}N_{32}$

1,3,5-Triazine-2,4,6-triamine.

N,N',N'',N'''-Tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)-amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine. Light and thermal stabilizer for PP fiber applications in automotive, marine and residential carpets, agricultural films, fertilizer bags, thick section pigmented applications, rotational molding applications. *Ciba-Geigy Corp.*

749 Chitin

1398-61-4 2072 G P

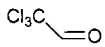
$(C_8H_{13}NO_5)_n$

Poly(N-acetyl-1,4-β-D-glucopyranosamine).

Chitan, N-acetyl-; Chitin; Chitin Tc-L; Chitina; Clandosan; EINECS 215-744-3; EPA Pesticide Chemical Code 128991; Kimitsu Chitin; Regitex FA. A glucosamine polysaccharide. Principal component of exoskeletons. Used in biological research, source of chitosan. Amorphous white solid; insoluble in H_2O, organic solvents. *Ajinomoto Co. Inc.; Ajinomoto USA Inc.; Amerchol; Atomergic Chemetals; Tri-K Ind.*

750 Chloral

75-87-6 9699 H



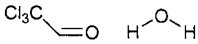
C_2HCl_3O

Trichloroacetaldehyde.

4-01-00-03142 (Beilstein Handbook Reference); Acetaldehyde, trichloro-; Anhydrous chloral; BRN 0506422; CCRIS 852; Chloral; Chloral, anhydrous, inhibited; Cloralio; EINECS 200-911-5; Grasex; HSDB 2557; RCRA waste number U034; Trichloro-acetaldehyde; Trichloroethanal; UN2075. Used in chemical synthesis and as a source of the drug chloral hydrate [302-17-0]. mp = -90°; bp = 65.6°; d^{20} = 1.273; soluble in H_2O and organic solvents. *Bristol-Myers Squibb Pharm. R&D; SmithKline Beecham Pharm.*

751 Chloral Hydrate

302-17-0 2080 D



$C_2H_3Cl_3O_2$

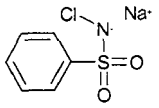
2,2,2-Trichloro-1,1-ethanediol.

4-01-00-03143 (Beilstein Handbook Reference); AI3-00082; Aquachloral; Bi 3411; BRN 1698497; Caswell No. 168; CCRIS 4142; Chloradorm; Chloral hydrate; Chloral monohydrate; Chloraldural; Chloraldurat; Chloralex; Chlorali Hydras; Chloralvan; Cohidrate; DEA No. 2465; Dormal; EINECS 206-117-5; EPA Pesticide Chemical Code 268100; Escre; Felsules; HSDB 222; Hydrate de chloral; Hynos; Kessodrate; Kloralhydrat; Knockout drops; Lorinal; Noctec;

Novochlorhydrate; NSC 3210; Nycoton; Nycton; Oradrate; Phaldrone; Rectules; SK-Chloral Hydrate; Somni SED; Somnos; Sontec; Tosyl; Trawotox. Sedative/hypnotic. mp = 57°; d = 1.91; bp = 98°; freely soluble in H_2O (240 g/100 ml at 0°, 830 g/100 ml at 25°, 1430 g at 40°), EtOH (76.9 g/100 ml), $CHCl_3$ (50 g/100 ml), Et_2O (66.6 g/100 ml), glycerol (200 g/100 ml), CS_2 (1.47 g/100 ml); sparingly soluble in CCl_4, C_6H_6, C_7H_8; LD_{50} (rat orl) = 479 mg/kg. *Bristol-Myers Squibb Pharm. R&D; SmithKline Beecham Pharm.*

752 **Chloramine B**

127-52-6 2084 D G



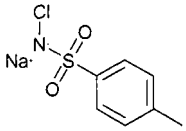
$C_6H_5ClNNaO_2S$

N-Chlorobenzenesulfonamide sodium salt.

AI3-16452; Annogen; Benzene chloramine; Benzene-sulfo-sodium chloramide; Benzenesulfochloramide, N-chloro-, sodium salt; Benzenesulfochloramide sodium; Benzenesulfonamide, N-chloro-, sodium salt; Caswell No. 169; Chloramin B; Chloramine B; Chlordetal; Chlorogen; N-Chlorobenzenesulfonamide sodium; N-Chloro-N-sodiobenzenesulfonamide; EINECS 204-847-9; EPA Pesticide Chemical Code 076501; HSDB 3422; Khloramin B; Monochloramine B; Neomagnol; NSC 75446; Sodium, (chloro(phenylsulfonyl)amino)-; Sodium, (N-chlorobenzenesulfonamido)-; Sodium benzenesulfochloramine; Sodium benzosulfo-chloramide; Sodium N-chlorobenzenesulfonamide. Used like Chloramine T. Soluble in H_2O (5 g/100 ml), EtOH (4 g/100 ml), insoluble in organic solvents.

753 **Chloramine T**

127-65-1 2085 D G



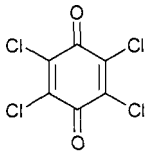
$C_7H_7ClNNaO_2S$

N-Chloro-4-methylbenzenesulfonamide sodium salt.

Acti-chlore; AI3-18426C; Aktiven; Aktivin; Anexol; Aseptoclean; Benzenesulfonamide, N-chloro-4-methyl-, sodium salt; Berkendyl; Caswell No. 170; Chloralone; Chloramin Dr. Fahlberg; Chloramin Heyden; Chlor-amine; Chloramine T; Chlorasan; Chloraseptine; Chlor-azan; Chlorazene; Chlorazone; Chlorina Aktivin; N-Chloro-4-methylbenzenesulfonamide sodium salt; N-Chloro-4-methylbenzylsulfonamide sodium salt; Chlor-osol; N-Chlorotoluenesulfonamide sodium salt; N-Chloro-p-toluenesulfonamide sodium; Chlorozone; Chlorseptol; Cloramine T; Clorina; Clorosan; Des-infect; EINECS 204-854-7; EPA Pesticide Chemical Code 076502; Euclorina; Gansil; Gyneclorina; Halamid; Heliogen; HSDB 4303; Ketjensept; Kloramin; Kloramine-T; Mannolite; Mianin; Mianine; Mono-chloramine T; Multichlor; NSC 36959; Pyrgos; Sodium chloramine T; Sodium N-chloro-p-toluenesulfonamide; Sodium p-toluenesulfon-chloramide; Sodium p-toluenesulfonylchloramide; Sodium tosylchloramide; Tampules; Tochlorine; Tolamine; p-Toluenesulfon-amide, N-chloro-, sodium salt; Tosilcloramida sodica; Tosylchloramid-natrium; *Tosylchloramide* sodique; Tosylchloramide sodium; Tosylchloramidum natricum. An antiseptic used in medicine; solutions of Chloramine T are also used as detergents and bleaching agents. Crystals; mp = 167-170°; Soluble in H_2O, insoluble in organic solvents. *Akzo Chemie.*

754 **Chloranil**

118-75-2 2088 G



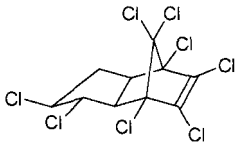
$C_6Cl_4O_2$

2,3,5,6-Tetrachloro-2,5-cyclohexadiene-1,4-dione.

AI3-03797; 1,4-Benzoquinone, 2,3,5,6-tetrachloro-; p-Benzoquinone, 2,3,5,6-tetrachloro-; Caswell No. 171; CCRIS 7155; Chloranil; p-Chloranil; Chloranile; Coversan; 2,5-Cyclohexadiene-1,4-dione, 2,3,5,6-tetrachloro-; Dow Seed Disinfectant No. 5; EINECS 204-274-4; ENT 3,797; EPA Pesticide Chemical Code 079301; G-444E; G-25804; Geigy-444E; HSDB 1533; Khloranil; NSC 8432; Psorisan; Quinone tetrachloride; Reranil; Spergon; Spergon I; Spergon technical; 2,3,5,6-Tetrachlorobenzoquinone; Tetrachloro-1,4-benzoquinone; 2,3,5,6-Tetrachloro-1,4-benzoquinone; Tetrachloro-p-benzoquinone; 2,3,5,6-Tetrachloro-p-benzoquinone; 2,3,5,6-Tetrachloro-2,5-cyclohexadi-ene-1,4-dione; Tetrachloro-p-quinone; 2,3,5,6-Tetrachloroquinone; Vulklor. Used as an agricultural fungicide, dye intermediate, electrodes for pH measurement, reagent. Used in tyre industry: combines with R6 to form an effective bonding system for compounds featuring steel cord reinforcement; used to activate GMF; also functions as a vulcanizing agent without sulfur; used in natural, SBR, nitrile, butyl and chlorobutyl rubbers. mp = 290°; bp sublimes; λ_m = 286, 364 nm (ε = 12600, 248, MeOH); insoluble in H_2O, ligroin, slightly soluble in EtOH, $CHCl_3$, CS_2, soluble in Et_2O; LD_{50} (rat orl) = 4.0 g/kg. *Ashland; Hall C.P.; Unitex.*

755 **Chlordane**

57-74-9 2096 P



$C_{10}H_6Cl_8$

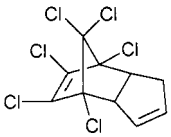
1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-Methano-1H-indene.

1068; α,σ-Chlordane; Aspon-chlordane; Belt; BELT; BRN 1915474; Caswell No. 174; CCRIS 127; CD 68; Chloordaan; Chlor Kil; Chlordan(e); Chlordane, α & γ isomers; Chlorindan; Chlortox; Clordan [Italian]; Clordano; Compound K; Corodane; Cortilan-neu; Dichlorochlordene; Dow-klor; Dowchlor; ENT 25,552-X; ENT 9,932; EPA Pesticide Chemical Code 058201; Gold Crest; HCS 3260; HSDB 802; Intox; Intox 8; Kilex; Kypchlor; Latka 1068; M 140; 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexa-hydro-; 4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-; NCI-C00099; NSC 8931; Octa-Klor; Octachlor; Octachloro-4,7-methanotetrahydro-indane; Octachlorodihydrodicyclopentadiene; Octa-chlorohexahydromethanoindene; 1,2,4,5,6,7,8,8-Octa-chloor-3a,4,7,7a-tetrahydro-4,7-endo-methano-indaan; 1,2,4,5,6,7,8,8-Octachlor-3a,4,7,7a-tetrahydro-4,7-endo-methano-indan; 1,2,4,5,6,7,8,8-Octachloro-4,7-methano-3a,4,7,7a-tetrahydroindane; 1,2,4,5,6,7,10, 10-Octachloro-4,7,8,9-tetrahydro-4,7-methylene-indane; 1,2,4,5,6,7,8,8-Ottochloro-3a,4,7,7a-tetraidro-4,7-endo-metano-indano[Italian]; 1-Exo,2-endo,4,5, 6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-meth-anoindene; Oktaterr; OMS 1437; Ortho-Klor; RCRA waste number U036; SD 5532; Shell SD-5532; Starchlor; Syndane; Synklor; Synklor; TAT chlor 4; Termi-ded;

Topichlor 20; Topiclor; Topiclor 20; Toxichlor; Unexan-koeder; Velsicol 1068; [5103-71-9]; [12789-03-6]. Registered by EPA as an insecticide (cancelled). Designated as a Persistent Organic Pollutant (POP) under the Stockholm convention. Brown solid - amber-colored liquid; mp = 106 - 107° (cis-form), 104 - 105° (trans-form); $bp_{1.0}$ = 175°; d^{25} = 1.59 - 1.63; viscosity = 69 poises at 25°, much lower at temperatures above 50° when it can be sprayed directly; insoluble in H_2O (< 0.00001 g/100 ml), soluble in hydrocarbon solvents; LD_{50} (rat orl) ■ 457 - 590 mg/kg, (mus orl) = 430 mg/kg, (rbt orl) = 300 mg/kg, (mrat ip) = 343 mg/kg, (rbt der) = 200 - 2000 mg/kg, (rat der) ■ 217 mg/kg, (bobwhite quail orl) = 83 mg/kg; LC_{50} (bobwhite quail 8 day dietary) = 421 mg/kg diet, (mallard duck 8 day dietary) = 795 mg/kg diet, (rainbow trout 96 hr.) = 0.09 mg/l, (bluegill sunfish 96 hr.) = 0.07 mg/l; toxic to bees. *Novartis.*

756 Chlordene

3734-48-3 H



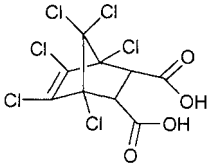
$C_{10}H_6Cl_6$

4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-meth-ano-1H-indene.

Addukt hexachlorcyklopentadienu S cyklopenta-dienem; AI3-15150; BRN 5749626; Chlordene; Chlordene 50; EINECS 223-096-8; 4,5,6,7,8,8-Hexa-chlor-$\Delta^{1,5}$-tetrahydro-4,7-methanoinden; 4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene; 4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-meth-ano-1H-indene; 4,7-Methano-1H-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-; 4,7-Methanoindene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-; 4,7-Methanoindene, 4,5,6,7,8,8-hexachloro-$\Delta^{1,5}$-tetra-hydro-; HSDB 2800.

757 Chlorendic acid

115-28-6 H



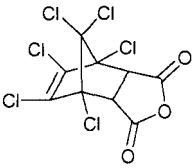
$C_9H_4Cl_6O_4$

Hexachloro-5-norbornene-2,3-dicarboxylic acid.

CCRIS 896; Chlorendic acid; EINECS 204-078-9; HET acid; Hexachloro-endo-methylenetetrahydrophthalic acid; Hexachloroendomethylenetetrahydrophthalic acid; HSDB 2915; Kyselina 1,2,3,4,7,7-hexachlorbicyklo(2,2,1)hept-2-en-5,6-dikarboxylova; NCI-C55072; NSC 22231.

758 Chlorendic anhydride

115-27-5 2101 H



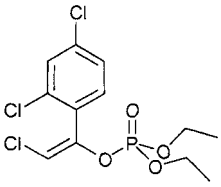
$C_9H_2Cl_6O_3$

Hexachloro-5-norbornene-2,3-dicarboxylic anhydride.

4-17-00-06070 (Beilstein Handbook Reference); BRN 0092693; Chloran 542; Chlorendic anhydride; EINECS 204-077-3; HET anhydride; Hexachloro-5-norbornene-2,3-dicarboxylic anhydride; Hexachloroendo-methylene tetrahydrophthalic anhydride; HSDB 2920; NSC 22229.

759 Chlorfenvinphos

470-90-6 2105 G P



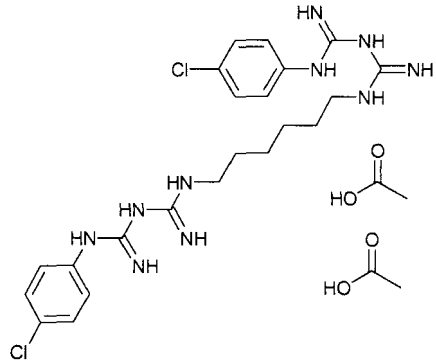
$C_{12}H_{14}Cl_3O_4P$

Phosphoric acid 2-chloro-1-(2,4-dichlorophenyl)-ethenyl diethyl ester.

2-Chloro-1-(2,4-dichlorophenyl)-vinyl diethyl phos-phate; β-2-Chloro-1-(2',4'-dichlorophenyl)vinyl diethyl phosphate; Benzyl alcohol, 2,4-dichloro-α-(chloro-methylene)-, diethyl phosphate; Birlan; Birlane; Birlane 10G; C 8949; C-10015; Clofenvinphos; Chloro-fenvinphos; Clofenvineosum; Clofenvinfos; CVP; SD-7859; Compd. 4072; Dermaton; Sapecron; Steladone; Supona. An insecticide and acaricide with contact and stomach action. Used in seed treatment or soil application for control of root flies, rootworms, fruit flies and Colorado beetles. Used as a liquid seed dressing for winter wheat. Oil; mp = -22 - -16°; $bp_{0.05}$ = 170°; soluble in H_2O (0.015 g/100 ml), freely soluble in EtOH, Me_2CO, propylene glycol; LD_{50} (rat orl) = 9.6 mg/kg. *ICI Chem. & Polymers Ltd.*

760 Chlorhexidine acetate

56-95-1 2108 G



$C_{22}H_{30}Cl_2N_{10}.2C_2H_4O_2$

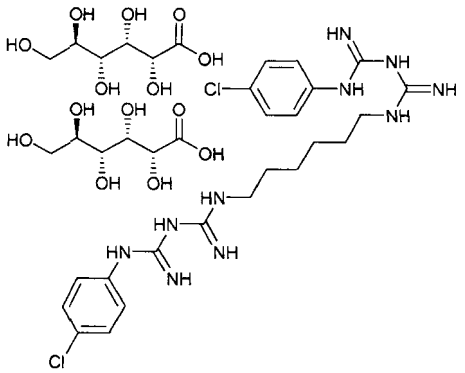
Bis(p-chlorophenyldiguanidohexane) diacetate.

10,040 Diacetate; Arlacide A; Bactigras; Biguanide, 1,1'-hexamethylenebis(5-(p-chlorophenyl)-, diacetate; 1,6-Bis(p-chlorophenylbiguanido)hexane di-acetate; N,N'-Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide, diacetate; Caswell No. 481E; Chlorasept 2000; Chlorhexidine acetate; Chlorohexidine diacetate; 1,6-Di(4'-chlorophenyl-diguanidino)hexane diacetate; EINECS 200-302-4; EPA Pesticide Chemical Code 045502; Hexamethylene-bis(5-(p-chlorophenyl)biguanide) diacetate; 1,1'-Hexa-methylene bis(5-(p-chloro-phenyl)biguanide) diacetate; Hibitane diacetate; Nolvasan; NSC 526936; Tetraaza-tetradec-anediimidamide, N,N''-bis(4-chlorophenyl)-3,12-diimino-, diacetate;

2,4,11,13-Tetraazatetradec-ane-diimidamide, N,N'-bis(4-chlorophenyl)-3,12-di-imino-, diacetate. Antiseptic and disinfectant. Crystals; mp = 154-155°; soluble in H_2O (1.9 g/100 ml), alcohols; LD_{50} (mus orl) = 2 g/kg. *Hopkins.*

761 Chlorhexidine gluconate

18472-51-0 2108 D E G



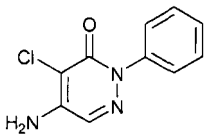
$C_{34}H_{54}Cl_2N_{10}O_{14}$

1,1'-Hexamethylenebis[5-(p-chlorophenyl)biguanide] di-D-gluconate.

Abacil; Arlacide G; Bacticlens; Caswell No. 481G; Chloraprep; Chlorhexamed; Chlorhexidin glukonatu; Chlorhexidine D-digluconate; Chlorhexidine digluconate; Chlorhexidine gluconate; Corsodyl; Disteryl; DRG-0091; Dyna-hex; EINECS 242-354-0; EPA Pesticide Chemical Code 045504; Gingisan; Hibiclens; Hibidil; Hibiscrub; Hibistat; Hibital; Hibitane; Hibitane 5; Orahexal; Peridex; Peridex (antiseptic); Periogard; pHiso-Med; Plac Out; Plurexid; Rotersept; Secalan; Septeal; Sterilon; Unisept.; component of: Hibistat. A bisbiguanide with bacteriostatic activity. Antiseptic; disinfectant. Used in dental hygene and for the prophylaxis of puerperal mastitis. Solid; soluble in H_2O at 20°; LD_{50} (mus iv) 22 mg/kg, (mus orl) 1800 mg/kg. *Boots Pharmaceuticals Inc.; Fair Products; ICI; Poythress.*

762 Chloridazon

1698-60-8 G P



$C_{10}H_8ClN_3O$

5-Amino-4-chloro-2-phenyl-3(2H)-pyridazinone.

5-25-14-00196 (Beilstein Handbook Reference); 5-Amino-4-chloro-2,3-dihydro-3-oxo-2-phenylpyrid-azine; 5-Amino-4-chloro-2-phenylpyridazinone; 5-Amino-4-chloro-2-phenylpyridazin-3(2H)-one; 5-Amino-4-chloro-2-phenyl-3-pyridazinone; 5-Amino-4-chloro-2-phenyl-3(2H)-pyridazinone; BAS 13033; BAS 1191611; Better Flowable; BRN 0397241; Burex; Caswell No. 714C; Chloridazon; Chloridazone; Clorizol; Curbetan; EINECS 216-920-2; EPA Pesticide Chemical Code 069601; 1-Fenyl-4-amino-5-chlor-6-pyridazinon; HS 119-1; HSDB 1759; PCA; Phenazon; Phenazon (herbicide); Phenazone; Phenazone (herbicide); Phenosane; 1-Phenyl-4-amino-5-chloro-pyridaz-6-one; 1-Phenyl-4-amino-5-chlorpyridaz-6-one; 1-Phenyl-4-amino-5-chlorpyridazon-(6); 1-Phenyl-4-amino-5-chloropyridazin-6-one; Pyramin (herbicide); Pyramin RB; Pyramin(e); Pyramine; Pyrazon; Pyrazone; 3(2H)-Pyridazinone, 5-amino-4-chloro-2-phenyl-; Suzon; Better; Brek; Curbetan; Gladiator; H 119; Hyzon; Pyramin; Pyrazol; Silver; Starter; Trojan. Selective systemic herbicide, rapidly absorbed by roots, used for control of annual broad-leaved weeds in sugar beets, fodder beet and beetroot. Used for pre- and post-emergence weed control in onions, leeks, chives, and flower bulbs. Crystals; mp = 205-206° (dec); soluble in H_2O (400 mg/l), more soluble in organic solvents; LD_{50} (mrat orl) = 3830 mg/kg, (frat orl) = 2140 mg/kg, (mus orl) = 2500 mg/kg, (rbt orl) = 1250 mg/kg, LC_{50} (rat ihl 4hr.) > 30.8 mg/l, (trout 96hr.) = 27mg/l; not toxic to bees. *Agrichem (International) Ltd.; Agrimont; Atlas Interlates Ltd; BASF AG; BASF Corp.; BASF plc; Chiltern Farm Chemicals Ltd; Farmers Crop Chemicals Ltd.; MTM AgroChemicals Ltd.; Portman Agrochemicals Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Schering Agrochemicals Ltd.; Sipcam; Tripart Farm Chemicals Ltd; Truchem; Wacker Chemie GmbH.*

763 Chlorinated paraffin waxes

63449-39-8 H

Chlorinated paraffins.

A 70 (wax); Adekacizer E 410; Adekacizer E 450; Adekacizer E 470; ADK Cizer 450; ADK Cizer 470; ADK Cizer E 410; Aquamix 108; Arubren; Arubren CP; CCRIS 1420; CCRIS 4770; Cerechlor 54; Cereclor; Cereclor 30; Cereclor 42; Cereclor 48; Cereclor 50LV; Cereclor 51L; Cereclor 52; Cereclor 54; Cereclor 56L; Cereclor 63L; Cereclor 65L; Cereclor 70; Cereclor 70L; Cereclor S 42; Cereclor S52; Cereclor S70; Chlorcosane; Chlorez 700; Chlorez 700hmp; Chlorinated paraffin; Chlorinated paraffin waxes; Chlorinated paraffins; Chlorinated wax; Chlorinated waxes; Chloroflo 35; Chloroflo 40; Chloroflo 42; Chloroparaffine 40G; Chlorowax; Chlorowax 170; Chlorowax 40; Chlorowax 40-40; Chlorowax 45AO; Chlorowax 50; Chlorowax 70; Chlorowax 70-5; Chlorowax 70S; Chlorowax 500C; Chlorowax S 70; Clorafin; Crechlor S 45; Creclor S 45; EINECS 264-150-0; Flexchlor; HSDB 4214; NCI-C53587; Paraffin, chlorinated; Paraffin wax, chlorinated; Paroil chlorez; Unichlor; Unichlor 50 .

764 Chlorine

7782-50-5 2112 G P

Cl_2

Chlorine.

Bertholite; Bertholite /warfare gas/; Caswell No. 179; CCRIS 2280; Chloor; Chlor; Chlore; Chlorinated water (chlorine); Chlorine; Chlorine gas; Cloro; Dichlorine; EPA Pesticide Chemical Code 020501; HSDB 206; Molecular chlorine; UN1017. Used in the manufacture of CCl_4, trichloroethylene, chlorinated hydrocarbons, neoprene, PVC; water purification and disinfection; shrinkproofing wool; in flame retardant compounds; food processing; bleaching. Registered by EPA as an antimicrobial and disinfectant. Green gas; mp = -101°; bp = -34.05°; d = 2.48 (air = 1); soluble in H_2O. *Air Products & Chemicals Inc.; Asahi Chem. Industry; Asahi Denka Kogyo; BASF Corp.; Cerexagri Decco Inc.; Dow Chem. U.S.A.; Elf Atochem N. Am.; Georgia Pacific; Hill Brothers Chemical Co; JCI Jones Chemicals, Inc; LaRoche Ind.; Olin Corp; OxyChem; PPG Ind.; Showa Denko; SSC Chemical Corp; Vulcan.*

765 Chlorine dioxide

10049-04-4 2113 G P

ClO_2

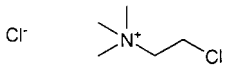
Chlorine peroxide.

Alcide; Anthium dioxcide; Caswell No. 179A; Chlorine dioxide; Chlorine oxide; Chlorine oxide (ClO_2); Chlorine peroxide; Chlorine(IV) oxide; Chloroperoxyl; Chloryl radical; Doxcide 50; EINECS 233-162-8; EPA Pesticide Chemical Code 020503; HSDB

517. Stabilized chlorine dioxide; broad spectrum biocide, preservative; deodorant designed to remove odors caused by residual monomers in resins; works as an oxidizer. Used to bleach wood pulp, fats and oils; biocide; odor control; water purification; oxidizing agent; bactericide, antiseptic. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide. Yellow-red gas; unstable to light; mp = -59°; bp ▪ 11°; d^0 = 1.642; soluble in H_2O (0.302 g/100 ml at 25°). *Bio-Cide International Inc.; Chemical Cealin Co. Inc.; Conseal International Inc.; Drew Industrial Div.; International Dioxcide Inc.*

766 **Chlormequat**

999-81-5 2120 H P



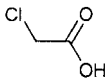
$[C_5H_{13}Cl_2N]^+$

(2-Chloroethyl)trimethylammonium.

5C Cycocel; 60-CS-16; AC 38555; AI3-26939; Ammonium, (2-chloroethyl)trimethyl-, chloride; Antywylegacz; Arotex Extra; Barleyquat; Barleyquat B; BAS 06200W; Bercema CCC; Bettaquat; Brevis; Caswell No. 191; CCC; CCC (plant growth regulant); CCRIS 135; Cecece; CeCeCe; Chlorcholinchlorid; Chlorcholine chloride; Chlormequat; Chlormequat chloride; Chlorocholine chloride; Chloroethyl-trimethylammonium chloride; Choline dichloride; Cyclocel; Cycocel 460; Cycocel C 5; Cycocel Extra; Cycogan; Cycogan extra; Cyocel; EI 38,555; EINECS 213-666-4; EPA Pesticide Chemical Code 018101; Ethanaminium, 2-chloro-N,N,N-trimethyl-, chloride; Farmacel; Halloween; Helstone; Hico CCC; Hormocel; Hormocel-2CCC; HSDB 1541; Hyquat; Increcel; Lihocin; Mirbel 5; NCI-C02960; NSC 34858; Premix; Retacel; Stabilan; Titan; Trimethyl-β-chlorethyl-ammoniumchlorid; Trimethyl-β-chloroethyl-ammon-ium chloride; TUR; WR 62; Zar. Registered by EPA as an antimicrobial, fungicide and herbicide. Used as a plant growth regulator. Improves resistance against lodging of oats, rye, and wheat White crystals; mp = 239-243° (dec); soluble in H_2O, lower alcohols, in-soluble in Et_2O, hydrocarbons; LD_{50} (rat orl) = 600 mg/kg, (rat ip) = 64 mg/kg, (mus orl) = 54 mg/kg, (mus ip) = 62 mg/kg, (mus iv) = 7 mg/kg. *ABM Chemicals Ltd.; Agan Chemical Manufacturers; BASF AG; BASF Corp.; Farmers Crop Chemicals Ltd.; Sigma-Aldrich Co.*

767 **Chloroacetic acid**

79-11-8 2129 G H



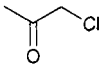
$C_2H_3ClO_2$

Monochloroacetic acid.

4-02-00-00474 (Beilstein Handbook Reference); Acetic acid, chloro-; Acide chloroacetique; Acide monochloracetique; Acidomonocloroacetico; AI3-25035; BRN 0605438; Caswell No. 179B; CCRIS 2117; Chloracetic acid; Chloroacetic acid, molten; Chloroacetic acid, solid; Chloroacetic acid solution; Chloroethanoic acid; EINECS 201-178-4; EPA Pesticide Chemical Code 279400; HSDB 939; Kyselina chloro-ctova; MCA; Monochloorazijnzuur; Monochloracetic acid; Monochloressigsäure; Monochlor-essigsaeure; Monochloroacetic acid; Monochloroethanoic acid; NCI-C60231; NSC 142; UN1750; UN1751; UN3250. Herbicide, preservative, bacteriostat; intermediate in production of carboxymethylcellulose, ethyl chloro-acetate, glycine, synthetic caffeine, sarcosine, thio-glycolic acid, EDTA, 2,4-D, 2,4,5-T. Has three crystal forms; mp = 50°, 55 - 56°, 63°; bp ▪ 189°; very soluble in H_2O, soluble in EtOH, C_6H_6, $CHCl_3$. Et_2O; LD_{50} (rat orl) = 650 mg/kg (sodium salt), (mus orl) = 165 mg/kg; LC_{50} (rainbow trout 48 hr.) = 900 mg/l; toxic to poultry; toxic to bees. *Atlas Interlates Ltd; E. I. DuPont de Nemours Inc.; Rhône Poulenc Crop Protection Ltd.; Rhône Poulenc Rorer.*

768 **Chloroacetone**

78-95-5 2131 H



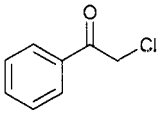
C_3H_5ClO

Chloromethyl methyl ketone.

4-01-00-03215 (Beilstein Handbook Reference); A-Stoff; Acetone, chloro-; Acetonyl chloride; BRN 0605369; CCRIS 1943; Chloracetone; Chloro-2-propanone; Chloroacetone; Chloromethyl methyl ketone; Chloropropanone; EINECS 201-161-1; HSDB 1070; Monochloracetone; Monochloropropanone; NSC 30673; Tonite; UN1695. Has been considered as a tear gas. Used in chemical manufacturing and as a catalyst. Liquid; mp = -44.5°; bp = 119°; d^{20} = 1.15; moderately soluble in H_2O, organic solvents; LD_{50} (mus orl) = 127 mg/kg, (rat orl) = 100 mg/kg, LC_{50} (rat ihl 1 hr.) = 262 ppm. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

769 **Chloroacetophenone**

532-27-4 2132 G



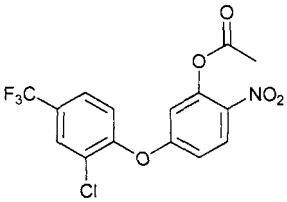
C_8H_7ClO

2-Chloro-1-phenylethanone.

4-07-00-00641 (Beilstein Handbook Reference); Acetophenone, 2-chloro-; AI3-52322; BRN 0507950; Caswell No. 179C; CCRIS 2370; Chemical mace; Chloroacetophenone; α-Chloroacetophenone; 1-Chloroacetophenone; 2-Chloro-1-phenylethanone; 2-Chloroacetophenone; Chloromethyl phenyl ketone; CN; CN (lacrimator); EINECS 208-531-1; EPA Pesticide Chemical Code 018001; Ethanone, 2-chloro-1-phenyl-; HSDB 972; Mace (lacrimator); NCI-C55107; NSC 41666; ω-Chloroacetophenone; Phenacyl chloride; Phenacylchloride; Phenylchloromethylketone; UN1697. Pharmaceutical intermediate. A lachrymator, is the primary component of Mace, a riot-control gas. Plates, mp = 56.5°; bp = 247°; d^{15} ▪ 1.324; insoluble in H_2O; soluble in Me_2CO, petroleum ether, very soluble in EtOH, Et_2O, C_6H_6, CS_2; LD_{50} (rat orl) = 127 mg/kg. *Janssen Chimica; Lancaster Synthesis Co.; Penta Mfg.*

770 **2-Chloro-1-(3-acetoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene**

50594-44-0 H P



$C_{15}H_9ClF_3NO_5$

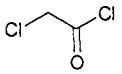
Phenol, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-, acetate.

2-Chloro-1-(3-acetoxy-4-nitrophenoxy)-4-(trifluoro-methyl)benzene;

5-(2-Chloro-4-(trifluoromethyl)phen-oxy)-2-nitrophenyl acetate; EINECS 256-632-4; Phenol, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-, acetate.

771 Chloroacetyl chloride

79-04-9 2074 H



$C_2H_2Cl_2O$

Chloroacetic acid chloride.

4-02-00-00488 (Beilstein Handbook Reference); Acetyl chloride, chloro-; BRN 0605439; Chloracetyl chloride; Chlorid kyseliny chloroctove; Chloroacetic acid chloride; Chloroacetic chloride; Chlorure de chloracetyle; EINECS 201-171-6; HSDB 973; Monochloroacetyl chloride; UN1752. Used in organic synthesis. Liquid; mp = -22°; bp = 220° (explosive); very soluble in organic solvents.

772 Chloroalkanes

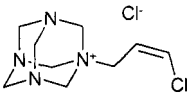
61788-76-9 H

Alkanes, chloro [Chlorinated paraffins].

Alkanes, chloro; Alkanes, chloro [Chlorinated paraffins]; EINECS 263-004-3.

773 Chloroallyl-3,5,7-triaza-1-azonia-adamantane Chloride

4080-31-3 2135 G P



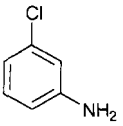
$C_9H_{16}Cl_2N_4$

1-(3-Chloro-2-propenyl)-3,5,7-triaza-1-azoniatricyclo-[3.3.1.1(3,7)]decane chloride.

Caswell No. 181; CCRIS 1398; Cinartc 200; Dowco 184; Dowicide 184; Dowicide Q; Dowicil® 75; Dowicil® 100; EINECS 223-805-0; EPA Pesticide Chemical Code 017901; Hexamethylenetetramine chloroallyl chloride; HSDB 6820; Methenamine 3-chloroallylochloride; NSC 172971; Quaternium 15; XD-1840. Used with sodium bicarbonate as a bactericide and stabilizer; preservative for aqueous end products such as adhesives, latex emulsions, paints, metal-cutting fluids, drilling muds, biodegradable detergents, and paper coatings; antimicrobial activity. Registered by EPA as an antimicrobial and disinfectant (cancelled). Cream-colored powder; freely soluble in H_2O (< 25 g/100 ml), less soluble in organic solvents; LD_{50} (rat orl) = 500 mg/kg. *Dow Chem. U.S.A.*

774 m-Chloroaniline

108-42-9 2136 G



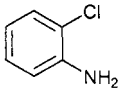
C_6H_6ClN

m-Aminochlorobenzene.

AI3-12126; 1-Amino-3-chlorobenzene; m-Amino-chlorobenzene; meta-Aminochlorobenzene; Aniline, m-chloro-; Benzenamine, 3-chloro-; CCRIS 3402; 3-Chlooranilinen; 3-Chloroaniline; m-Chloraniline; 3-Chlorobenzenamine; m-Chloroaminobenzene; 3-Chlorophenylamine; m-Chlorophenylamine; 3-Cloroaniline; EINECS 203-581-0; Fast Orange GC Base; HSDB 2046; NSC 17581; Orange GC Base. Intermediate for azo dyes and pigments, pharmaceuticals, insecticides, agricultural chemicals. Liquid; mp = -10.4°; bp = 230.5°; d_4^{20} = 1.2161; λ_m = 242, 294 nm (MeOH); insoluble in H_2O, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4. *DuPont; Janssen Chimica; Lancaster Synthesis Co.*

775 o-Chloroaniline

95-51-2 2136 G H



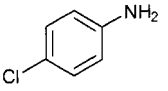
C_6H_6ClN

Benzenamine, 2-chloro-.

AI3-16321; o-Aminochlorobenzene; Aniline, o-chloro-; Benzenamine, 2-chloro-; CCRIS 2880; o-Chloraniline; o-Chloroaminobenzene; o-Chloroaniline; EINECS 202-426-4; Fast Yellow GC Base; HSDB 2045; NSC 6183. Dye intermediate, standards for colorimetric apparatus, manufacture of petroleum solvents and fungicides. mp = -14°; bp = 208.8°. bp_{11} = 95-97°; d = 1.213; insoluble in H_2O, soluble in Eto, Me_2CO, freely soluble in EtOH. *E. I. DuPont de Nemours Inc.*

776 p-Chloroaniline

106-47-8 2136 G H



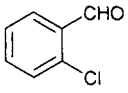
C_6H_6ClN

4-Chloraniline.

AI3-14908; p-Aminochlorobenzene; Aniline, 4-chloro-; Aniline, p-chloro-; Benzenamine, 4-chloro-; Benzenamine, p-chloro-; Caswell No. 182; CCRIS 131; p-Chloroaniline; p-Chlorophenylamine; EINECS 203-401-0; EPA Pesticide Chemical Code 017203; HSDB 2047; NCI-C02039; NSC 36941; p-CA; para-Chloroaniline; RCRA waste number P024. Used in manufacture of dyestuffs, pharmaceuticals and agricultural chemicals. Crystals; mp = 72.5°; bp = 232°; d^{19} = 1.429; λ_m = 243, 296 nm (MeOH); soluble in H_2O, EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 0.31 g/kg. *DuPont; Janssen Chimica; Mitsui Toatsu.*

777 Chlorobenzaldehyde

35913-09-8 G



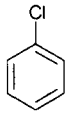
C_7H_5ClO

Chlorobenzaldehyde.

Benzaldehyde, chloro-; Chlorobenzaldehyde; NSC 174140. Intermediate for triphenylmethane and related dyes, organic intermediate. *Hoechst Celanese; Janssen Chimica; Penta Mfg.; Rit-Chem.*

778 Chlorobenzene

108-90-7 2139 G



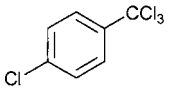
C_6H_5Cl

Phenyl chloride.

Abluton T30; AI3-07776; Benzene chloride; Benzene, chloro-; Caswell No. 183A; CCRIS 1357; Chloor-benzeen; Chlorbenzene; Chlorbenzol; Chlorobenzen; Chlorobenzene; Chlorobenzene, mono-; Chloro-benzenu; Chlorobenzol; Clorobenzene; CP 27; EINECS 203-628-5; EPA Pesticide Chemical Code 056504; HSDB 55; I P Carrier T 40; MCB; Monochloorbenzeen; Monochlorbenzene; Monochlorbenzol; Monochloro-benzene; Monoclorobenzene; NCI-C54886; NSC 8433; Phenyl chloride; RCRA waste no. U037; Tetrosin SP; UN1134. Carrier for textile dyeing with low stain to wool. Pesticide intermediate; manufacture of phenol, aniline, DDT; solvent carrier for methylene diisocyanate; solvent for paints; heat transfer medium. Liquid; mp = -45.2°; bp = 131.7°; d_4^{20} = 1.1058; λ_m = 263 nm (ε = 191, H_2O); insoluble in H_2O, very soluble in C_6H_6, CCl_4, $CHCl_3$, CS_2; freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1110 mg/kg. *Elf Atochem N. Am.; Janssen Chimica; Monsanto Co.; PPG Ind.; Sigma-Aldrich Fine Chem.; Taiwan Surfactants.*

779 p-Chlorobenzotrichloride

5216-25-1 H



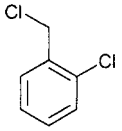
$C_7H_4Cl_4$

1-Chloro-4-(trichloromethyl)benzene.

4-05-00-00823 (Beilstein Handbook Reference); AI3-02822; Benzene, 1-chloro-4-(trichloromethyl)-; BRN 1866549; 1-Chloro-4-(trichloromethyl)benzene; 4-Chlorobenzotrichloride; EINECS 226-009-1; p-Chlorobenzotrichloride; p-Chlorophenyltrichloro-methane; p-Trichloromethylchlorobenzene; p,α,α,α-Tetrachlorotoluene; α,α,α-Trichloro-4-chlorotoluene; Toluene, α,α,α,p-tetrachloro-; Toluene, p,α,α,α-tetrachloro-. Liquid; bp = 245°; d^{20} = 1.4463; λsim = 233, 266, 278 nm (ε = 11800, 495, 264, MeOH); very soluble in Me_2CO, Et_2O.

780 2-Chlorobenzyl chloride

611-19-8 H



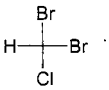
$C_7H_6Cl_2$

1-Chloro-2-(chloromethyl)benzene.

4-05-00-00816 (Beilstein Handbook Reference); AI3-14885; Benzene, 1-chloro-2-(chloromethyl)-; BRN 0471700; 1-Chloro-2-(chloromethyl)benzene; 2-Chlorobenzyl chloride; α,2-Dichlorotoluene; α,o-Dichlorotoluene; EINECS 210-258-8; NSC 8446; o-Chlorobenzyl chloride; Ortho-α-dichlorotoluene; Toluene, α,o-dichloro-; Toluene, o,α-dichloro-. Liquid; mp = -17°; bp = 217°; d^0 = 1.2699; λ_m = 271, 278 nm (ε = 339, 263, MeOH); insoluble in H_2O, slightly soluble in EtOH, CCl_4, soluble in CS_2, very soluble in Et_2O, C_6H_6, AcOH.

781 Chlorobromoform

124-48-1 2154 G



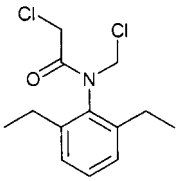
$CHBr_2Cl$

Chlorodibromo methane.

4-01-00-00081 (Beilstein Handbook Reference); BRN 1731046; CCRIS 938; CDBM; Chlorodibromomethane; Dibromochloromethane; EINECS 204-704-0; HSDB 2763; Methane, chlorodibromo-; Methane, dibromochloro-; Monochlorodibromomethane; NCI-C55254. Used in organic synthesis. Liquid; mp = -20°; bp = 120°; d^{20} = 2.451; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4; LD_{50} (rat orl) = 370 mg/kg.

782 2-Chloro-N-(chloromethyl)-N-(2,6-diethylphenyl)acetamide

40164-69-0 H



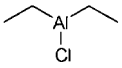
$C_{13}H_{17}Cl_2NO$

Acetamide, 2-chloro-N-(chloromethyl)-N-(2,6-diethyl-phenyl)-.

Acetamide, 2-chloro-N-(chloromethyl)-N-(2,6-diethyl-phenyl)-; 2-Chloro-N-(chloromethyl)-N-(2,6-diethyl-phenyl)acetamide; EINECS 254-817-4.

783 Chlorodiethylaluminum

96-10-6 H



$C_4H_{10}AlCl$

Aluminum, chlorodiethyl-.

Aluminum, chlorodiethyl-; Aluminum, dichloro-tetraethyldi-; Aluminum diethyl monochloride; Chlorodiethylaluminum; Deac; Deak; Diethyl-aluminium chloride; Diethylaluminum monochloride; Diethylchloroaluminum; EINECS 202-477-2; HSDB 5299.

784 Chlorodifluoromethane

75-45-6 H

$CHClF_2$

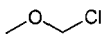
Difluorochloromethane.

4-01-00-00032 (Beilstein Handbook Reference); Algeon 22; Algofrene 22; Algofrene type 6; Arcton 22; Arcton 4; BRN 1731036; CCRIS 858; CFC 22; Chlorodifluoromethane; Chlorofluorocarbon 22; Daiflon 22; Difluorochloromethane; Difluoromono-chloromethane; Dymel 22; EINECS 200-871-9; Electro-CF 22; Eskimon 22; F 22; F 22 (halocarbon); FC 22; FKW 22; Flugene 22; Fluorocarbon 22; Forane 22; Forane 22 B; Freon 22; Frigen; Frigen 22; Genetron 22;

Haltron 22; HCFC 22; HFA - 22; HSDB 143; Hydrochlorofluorocarbon 22; Isceon 22; Isotron 22; Khaiadon 22; Khladon 22; Methane, chlorodifluoro-; Monochlorodifluoromethane; Propellant 22; R-22; R 22 (refrigerant); R22 [Nonflammable gas]; Racon 22; Refrigerant R 22; Ucon 22; UN1018. Used as a refrigerant. Gas; mp = -157.4°; bp = -40.7°; d^{-69} = 1.4909; soluble in H_2O and in organic solvents. *DuPont; Honeywell; PPG Ind.*

785 Chlorodimethyl ether

107-30-2 2165 H



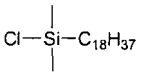
C_2H_5ClO

Methyl chloromethyl ether.

4-01-00-03046 (Beilstein Handbook Reference); BRN 0505943; CCRIS 138; Chlordimethylether; Chlorodimethyl ether; Chloromethoxymethane; Chloromethyl methyl ether; α,α-Dichlorodimethyl ether; Dimethylchloroether; EINECS 203-480-1; Ether, chloromethyl methyl; Ether, dimethyl chloro; Ether methylique monochlore; HSDB 908; Methane, chloromethoxy-; Methoxychloromethane; Methoxy-methyl chloride; Methyl chloromethyl ether; Monochlorodimethyl ether; Monochloromethyl methyl ether; NSC 21208; RCRA waste number U046; UN1239. Liquid; mp = -103.5°; bp = 59.5°; d^{10} = 1.063; soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$.

786 Chlorodimethyloctadecylsilane

18643-08-8 G



$C_{20}H_{43}ClSi$

Dimethyloctadecylchloro silane.

CD5636; Dimethyloctadecylchlorosilane; EINECS 242-472-2; Octadecyldimethylchlorosilane; Silane, chlorodimethyloctadecyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Solid; mp = 28-30°; bp = 300°. *Degussa-Hüls Corp.*

787 Chlorodimethylsilane

1066-35-9 G H

C_2H_7ClSi

Dimethylchlorosilane.

CD5470; Chlorodimethylsilane; Dimethylchlorosilane; DMCS; EINECS 213-912-0; Silane, chlorodimethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Volatile liquid; mp ◘ -111°; bp = 35°; d = 0.8520. *Hüls Am.*

788 Chloroethane

75-00-3 3817 G H

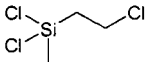
C_2H_5Cl

Ethane, chloro-.

Aethylchlorid; Äthylchlorid; Aethylchloride; Äthyl-chloride; Aethylis chloridum; AI3-24474; Anodynon; CCRIS 3349; Chelen; Chloorethaan; Chlorene; Chlorethyl; Chloroaethan; Chloroäthan; Chloroethane; Chlorure d'ethyle; Chloryl; Chloryl anesthetic; Cloretilo; Cloroetano; Cloruro di etile; Dublofix; EINECS 200-830-5; Ethane, chloro-; Ether chloratus; Ether chloridum; Ether hydrochloric; Ether muriatic; Ethyl chloride; Etylu chlorek; HSDB 533; Hydrochloric ether; Kelene; Monochlorethane; Monochloroethane; Muriatic ether; Narcotile; NCI-C06224; UN1037. Used as a refrigerant, and solvent and as a chemical feedstock. A hazardous air pollutant identified by the US government as a toxic air contaminant. Gas; mp = -138.7°; bp = 12.3°; d^{25} = 0.8902; soluble in H_2O (0.574 g/100 ml), more soluble in organic solvents.

789 2-Chloroethylmethyldichlorosilane

7787-85-1 G



$C_3H_7Cl_3Si$

2-Chloroethylmethyldichlorosilane.

CC3005; 2-Chloroethylmethyldichlorosilane; Di-chloro(2-chloroethyl)methylsilane; EINECS 232-134-2; Silane, dichloro(2-chloroethyl)methyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{744} ◘ 157°; n_D^{20} = 1.4580. *Degussa-Hüls Corp.*

790 Chloroform

67-66-3 2160 G H

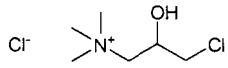
$CHCl_3$

Trichloromethane.

4-01-00-00042 (Beilstein Handbook Reference); AI3-24207; BRN 1731042; Caswell No. 192; CCRIS 137; Chloroform; Chloroforme; Cloroformio; EINECS 200-663-8; EPA Pesticide Chemical Code 020701; Formyl trichloride; Freon 20; HSDB 56; Methane trichloride; Methane, trichloro-; Methenyl chloride; Methenyl trichloride; Methyl trichloride; NCI-C02686; NSC 77361; R 20 (Refrigerant); RCRA waste number U044; Trichloormethaan; Trichiormethan; Trichloromethane; Tricloromethane; UN1888. Used in manufacture of fluorocarbon plastics, as a solvent, in analytical chemistry, as a fumigant, in insecticides. Clear mobile liquid; mp = -63.5°; bp = 61.1°; d_{20}^{20} = 1.4832; LD_{50} (rat orl 14 day) = 1330 - 3230 mg/kg (0.9 - 2.18 ml/kg). *Degussa-Hüls Corp.; Elf Atochem N. Am.; Mallinckrodt Inc.; Mitsui Toatsu; OxyChem.*

791 3-Chloro-2-hydroxypropylammonium chloride

3327-22-8 G H



$C_6H_{15}Cl_2NO$

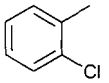
Trimethyl(2-hydroxy-3-chloropropyl)ammonium chloride.

Ammonium, (3-chloro-2-hydroxypropyl)trimethyl-, chloride; Catiomaster C; CHPTA 65%; Dextrosil; Dextrosil KA; Dowquat 188; EINECS 222-048-3; NSC 51216; NT 21; QUAB; Quab 188; Quat 188; Reagens-CF2; Trimethyl(2-hydroxy-3-chloropropyl)ammonium chloride; Verolan KAF. Cationizing reagent for natural and synthetic polymers; starch modifier for textiles. Used for quaternization of compounds with hydroxyl, amino, and other functional groups, especially corresponding polymers, production of cationic polyelectrolytes. Crystals; mp = 191-193°; d = 1.154. *Chem-Y GmbH; Degussa AG; Synthetic Chemicals Ltd.*

792 **Chloromethane**
74-87-3 6069 G H

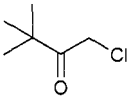
CH_3Cl
Methane, chloro-.
AI3-01707; Artic; Caswell No. 557; CCRIS 1124; Chloor-methaan; Chlor-methan; Chloromethane; Chlorure de methyle; Clorometano; Cloruro di metile; EINECS 200-817-4; EPA Pesticide Chemical Code 053202; HSDB 883; Methane, chloro-; Methyl chloride; Methylchlorid; Methylchloride; Metylu chlorek; Monochloromethane; R 40; RCRA waste number U045; UN1063. Catalyst carrier in low-temperature polymerization, tetramethyl lead, silicones, refrigerant, fluid for thermometric/ thermostatic equipment, methylating agent in organic synthesis, extractant and low-temperature solvent, herbicide, topical anesthetic. Colorless gas; mp = -97°; bp = -24°; d = 0.92; insoluble in H_2O, soluble in organic solvents; LC_{100} (mus ihl) = 3146 ppm. *Air Products & Chemicals Inc.; Mitsui Toatsu; OxyChem.*

793 **Chloromethylbenzene**
25168-05-2 G H



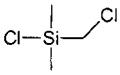
C_7H_7Cl
Toluene, ar-chloro-.
4-05-00-00809 (Beilstein Handbook Reference); BC; Benzene, chloromethyl-; BRN 0471308; Chloro-methylbenzene; Chlorotoluene; EINECS 246-698-2; Haiso® 99; Oxsol 10; Toluene, ar-chloro-. Extender, diluent or substitute for other organic solvents; for dye carrier, fuel oil additive, sludge solvent, in paint thinners, metal parts cleaners, adhesives. *OxyChem.*

794 **Chloromethyl tert-butyl ketone**
13547-70-1 H



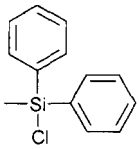
$C_6H_{11}ClO$
1-Chloro-3,3-dimethyl-2-butanone.
2-Butanone, 1-chloro-3,3-dimethyl-; tert-Butyl chloro-methyl ketone; 1-Chloro-3,3-dimethyl-2-butanone; 1-Chloro-3,3-dimethylbutan-2-one; Chloromethyl tert-butyl ketone; α-Chloropinacolin; α-Chloropinacoline; 1-Chloropinacolone; Chlorpinakolin; EINECS 236-920-6; 1-Monochloropinacoline.

795 **Chloromethyldimethylchlorosilane**
1719-57-9 G



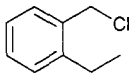
$C_3H_8Cl_2Si$
Chloromethyldimethylchlorosilane.
CC3270; Chloro(chloromethyl)dimethylsilane; EINECS 217-006-6; Silane, chloro(chloromethyl)dimethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 115.5°, bp_{752} = 114°; d^{20} = 1.0865. *Degussa-Hüls Corp.*

796 **Chloromethyldiphenylsilane**
144-79-6 H



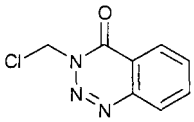
$C_{13}H_{13}ClSi$
Methyldiphenylchlorosilane.
Chloro(methyl)diphenylsilane; Chloromethyldiphenyl-silane; EINECS 205-639-0; Methyldiphenylchloro-silane; NSC 93961; Silane, chloromethyldiphenyl-. Liquid; bp = 295°; d^{20} = 1.1277.

797 **(Chloromethyl)ethylbenzene**
26968-58-1 H



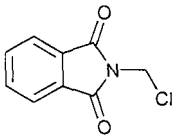
$C_9H_{11}Cl$
Toluene, α-chloro-ar-ethyl-.
Benzene, (chloromethyl)ethyl-; (Chloromethyl)ethyl-benzene; EINECS 248-148-7; Toluene, α-chloro-ar-ethyl-. Mixture of o, m and p-isomers.

798 **3-Chloromethyl-4-keto-1,2,3-benzo-triazine**
24310-41-6 H



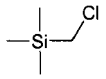
$C_8H_6ClN_3O$
1,2,3-Benzotriazin-4(3H)-one, 3-(chloromethyl)-.
1,2,3-Benzotriazin-4(3H)-one, 3-(chloromethyl)-; 3-(Chloromethyl)-1,2,3-benzotriazin-4(3H)-one; 3-Chloromethyl-4-keto-1,2,3-benzotriazine; EINECS 246-152-3.

799 **Chloromethylphthalimide**
17564-64-6 H



$C_9H_6ClNO_2$
1H-Isoindole-1,3(2H)-dione, 2-(chloromethyl)-.
CCRIS 7991; Chloromethylphthalimide; N-(Chloro-methyl)phthalimide; N-Chloromethyltrimellitimide; EINECS 241-541-4; 1H-Isoindole-1,3(2H)-dione, 2-(chloromethyl)-; NSC 29558; Phthalimide, N-(chloromethyl)-; Phthalimide, N-chloromethyl-.

800 **Chloromethyltrimethyl silane**
2344-80-1 G



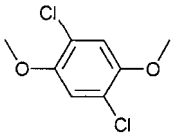
$C_4H_{11}ClSi$

Chloromethyltrimethyl silane.

CC3285; Chloromethyltrimethylsilane; EINECS 219-058-5; Silane, (chloromethyl)trimethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Reagent for the Peterson olefination and the homologation of ketones and aldehydes via α, β-epoxysilanes. Liquid; bp = 98-99°; d^{25} = 0.8790; n_D^{20} = 1.4175. *Degussa-Hüls Corp.; Janssen Chimica.*

801 Chloroneb

2675-77-6 G P



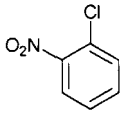
$C_8H_8Cl_2O_2$

Benzene, 1,4-dichloro-2,5-dimethoxy-.

4-06-00-05772 (Beilstein Handbook Reference); AI3-52191; Benzene, 1,4-dichloro-2,5-dimethoxy-; BRN 1952749; Caswell No. 198; CCRIS 5996; Chloroneb; Chloroneb 65W Fungicide; Chloroneb Systemic Flowable Fungicide; Chloronebe; Demasan; Demosan; Demosan 10D; Demosan 65W; Demosan 65W Termec SP; 1,4-Dichloro-2,5-dimethoxybenzene; EINECS 220-222-3; EPA Pesticide Chemical Code 027301; Flo Pro D Seed Protectant; HSDB 1542; NSC 151546; Nuflo D; Soil fungicide 1823; Terraneb; Terraneb B; Terraneb SP; Terraneb SP Turf Fungicide; Tersan SP. Systemic soil- and seed fungicide, absorbed by the roots. Used for control seedling diseases like snow mold (*Typhula*) and pythium blight. Seed treatment to suppress soreshin and pre- and post-emergence damp-off caused by *rhizoctonia solani, pythium spp and sclerotium rolfsii* on cotton, beans, soybeans and sugar beets. Registered by EPA as a fungicide. Crystals; mp 133-135°; bp = 268°; soluble in H_2O (0.0008 g/100 ml), Me_2CO (9 g/100 ml), DMF (11.1 g/100 ml), xylene (7.65 g/100 ml), CH_2Cl_2 (17.7 g/100 ml); LD_{50} (rat orl) > 11000 mg/kg, (rbt orl) > 5000 mg/kg, (mallard diuck, Japanese quail orl) > 5000 mg/kg; LC_{50} (bluegill sunfish 46 hr.) > 4200 mg/l. *Agriliance LLC; Gustafson LLC; Kincaid Enterprises; Micro-Flo Co. LLC; PBI/Gordon Corp; Wilbur Ellis Co.*

802 1-Chloro-2-nitro-benzene

88-73-3 2170 H



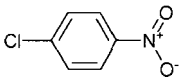
$C_6H_4ClNO_2$

Benzene, 1-chloro-2-nitro-.

AI3-15385; Benzene, 1-chloro-2-nitro-; CCRIS 141; Chloronitrobenzene, ortho, liquid; o-Chloronitro-benzene; EINECS 201-854-9; HSDB 1322; o-Nitro-chlorobenzene; NSC 36934; ONCB; UN1578. Used in manufacture of dyestuffs. Needles; mp = 32.5°; bp = 245.5°; d^{242} = 1.368; λ_m = 215, 270 nm (ε = 8140, 10300, MeOH); soluble in EtOH, C_6H_6, Et_2O.

803 4-Chloronitrobenzene

100-00-5 2170 H



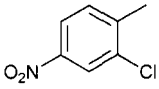
$C_6H_4ClNO_2$

Benzene, 1-chloro-4-nitro-.

AI3-15387; Benzene, 1-chloro-4-nitro-; CCRIS 142; Chloronitrobenzene, para, solid; p-Chloronitro-benzene; EINECS 202-809-6; HSDB 1666; p-Nitrochloorbenzeen; p-Nitrochlorobenzene; p-Nitro-chlorobenzol; p-Nitroclorobenzene; p-Nitrophenyl chloride; NSC 9792; PNCB; UN1578. Prisms; mp = 83.5°; bp = 242°; d^{90} = 1.2979; λ_m = 215, 270 nm (ε = 8140, 10300, MeOH); insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, $CHCl_3$, CS_2

804 o-Chloro-p-nitrotoluene

121-86-8 H



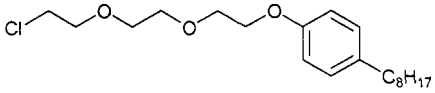
$C_7H_6ClNO_2$

2-Chloro-1-methyl-4-nitrobenzene.

4-05-00-00855 (Beilstein Handbook Reference); Benzene, 1-chloro-2-methyl-5-nitro-; Benzene, 2-chloro-1-methyl-4-nitro-; BRN 1817924; 2-Chloro-1-methyl-4-nitrobenzene; 2-Chloro-4-nitrotoluene; CNT; EINECS 204-501-7; HSDB 5592; NSC 60111; o-Chloro-p-nitrotoluol; Toluene, 2-chloro-4-nitro-. Needles; mp = 66.5°; bp = 260°; λ_m = 254, 304 nm (MeOH); slightly soluble in H_2O, $CHCl_3$, soluble in EtOH, Et_2O, AcOH.

805 1-Chloro-8-(p-octylphenoxy)-3,6-dioxa-octane

66028-01-1 H



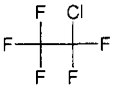
$C_{20}H_{33}ClO_3$

1-(2-(2-(2-Chloroethoxy)ethoxy)ethoxy)-4-octyl-benzene.

Benzene, 1-(2-(2-(2-chloroethoxy)ethoxy)ethoxy)-4-octyl-; 1-(2-(2-(2-Chloroethoxy)ethoxy)ethoxy)-4-octylbenzene; 1-Chloro-8-(p-octylphenoxy)-3,6-dioxa-octane; EINECS 266-079-0.

806 Chloropentafluoroethane

76-15-3 H



C_2ClF_5

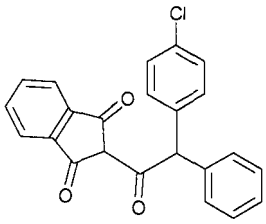
Pentafluoroethyl chloride.

4-01-00-00129 (Beilstein Handbook Reference); BRN 1740329; CFC-115; Chloropentafluoretano; Chloro-pentafluorethane; Chloroperfluoroethane; EINECS 200-938-2; Ethane, chloropentafluoro-; F-115; FC 115; FKW 115; Fluorocarbon-115; Freon 115; Genetron 115; Halocarbon 115; HSDB 147; Monochloropentafluoroethane; Pentafluorochloro-ethane; Pentafluoroethyl chloride; Perfluoroethyl chloride; Propellant 115; R 115; Refrigerant 115; UN1020. Has been used as a refrigerant Gas; mp = -99.4°; mp = -37.9°; d^{-42} = 1.5678; insoluble in H_2O, soluble in organic solvents. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-*

Aldrich Fine Chem.

807 Chlorophacinone

3691-35-8 2171 G P



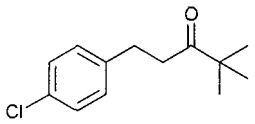
$C_{23}H_{15}ClO_3$

2-({p-Chlorophenyl}phenylacetyl)-1,3-indandione.

Actosin C; Afnor; Baraage; BRN 2063081; CAiD; Caswell No. 211C; Chloorfacinon; 2(2-(4-Chloor-fenyl-2-fenyl)-acetyl)-indaan-1,3-dion; Chlorfacinon; Chloro-phacinone; Chlorphacinon; {(4-Chlorphenyl)-1-ph-enyl}-acetyl-1,3-indandion; 1-(4-Chlorphenyl)-1-phenylacetylindan-1,3-dion; 2(2-(4-Chlor-phenyl-2-phenyl)-acetyl)indan-1,3-dion; 2(2-(4-Chlorophenyl)-2-phenyl-acetyl)indan-1,3-dione; 2-((4-Chlorophenyl)-phenyl-acetyl)-1H-indene-1,3(2H)-dione; 2-({p-Chlorophenyl)-phenylacetyl)-1,3-indandione; 2-(2-(4-Chlorophenyl)-2-phenylacetyl)indane-1,3-dione; 2-(-p-Chlorophenyl-acetyl)indane-1,3-dione; 2-(-p-Chlorophenyl- -phenyl-acetyl)indane-1,3-dione; 2(2-(4-Cloro-fenil-2-fenil)-acetil)indan-1,3-dione; Drat; DRAT; EINECS 223-003-0; EPA Pesticide Chemical Code 067707; HSDB 6432; Indandione, 2-({p-chlorophenyl)phenylacetyl)-; 1,3-Indandione, 2-({p-chlorophenyl)phenylacetyl)-; Indene-1,3(2H)-dione, 2-((4-chlorophenyl)phenylacetyl)-; 1H-Indene-1,3(2H)-dione, 2-((4-chlorophenyl)phenyl-acetyl)-; Karate; Lepit; Liphadione; LM 91; LM-91; Microzul; Muriol; Orcomolebait; Partox; 2-(2-Phenyl-2-(4-chlorophenyl)-acetyl)-1,3-indandione; Quick; Rat-indan 3; Ratomet; Raviac; Razol; Redentin; Ridene; Rozol; Sakarat Special; Saviac; Skaterpax; Topitox. A powerful anticoagulant rodenticide; controls black rats, brown rats, house mice, long-tailed field mice, voles and musk rats. Registered by EPA as a rodenticide. Silky yellow needles; mp = 138°, 140°; λ_m = 325 nm (Me_2CO); soluble in H_2O (0.01 g/100 ml), MeOH, EtOH, Me_2CO, AcOH, EtOAc, C_6H_6, oil; LD_{50} (rat orl) = 20 mg/kg; LC_{50} (rat ihl 1 hr.) > 3 mg/kg; low toxicity to birds, non-toxic to bees. *JT Eaton & Co. Inc.; Killgerm Chemicals Ltd.; Lever Industrial Ltd.; Liphatech Inc.; Rhône-Poulenc Environmental Prods. Ltd; Rhône-Poulenc.*

808 1-(4-Chlorophenyl)-4,4-dimethyl-3-pentanone

66346-01-8 H



$C_{13}H_{17}ClO$

3-Pentanone, 1-(4-chlorophenyl)-4,4-dimethyl-.

1-(4-Chlorophenyl)-4,4-dimethyl-3-pentanone; 3-Pentanone, 1-(4-chlorophenyl)-4,4-dimethyl-; HWG 1608-Alkylketon.

809 Chlorophyll

1406-65-1 2174 G

$C_{55}H_{72}MgN_4O_5$

Amplex.

C.I. 1956; Chlorofolin; Chlorofyl; Chlorophyll; Chlorophylls; Deodophyll; E 140; EINECS 215-800-7; L-Gruen No. 1; L-Grün No. 1. The green pigments of plants and green algae contain chlorophyl a and chlorophyl b in a ratio of aprox 3:1; A proprietary preparation of chlorophyll; a deodorant. Used to color soaps, oils, fats, perfumes and sensitizing color film. Source of phytol. Green solid; soluble in oils. *Ashe Chemicals.*

810 Chloropicrin

76-06-2 2175 G P

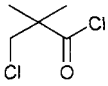
CCl_3NO_2

Nitrotrichloromethane.

4-01-00-00106 (Beilstein Handbook Reference); Acquinite; AI3-00027; Aquinite; BRN 1756135; Caswell No. 214; CCRIS 146; Chloorpikrine; Chlor-O-pic; Chloroform, nitro-; Chloropicrin; Chloropicrin mixtures, UN1583; Chloropicrin [UN1580] [Poison]; Chloropicrine; Chlorpikrin; Cloropicrina; Dojyopicrin; Dolochlor; EPA Pesticide Chemical Code 081501; G 25; HSDB 977; KLOP; Larvacide; Larvacide 100; Methane, trichloronitro-; Microlysin; NCI-C00533; Nemax; Nimax; Nitrochloroform; Nitrotrichloro-methane; NSC 8743; OG 25; Pic-Chlor; Pic-Clor; Picfume; Picride; Profume A; PS; S 1; Timberfume; Tri-clor; Tri-Con; Trichloornitromethaan; Trichlornitro-methan; Trichloronitromethane; Tricloro-nitro-metano; UN1580; UN1583. Registered by EPA as an insecticide. Used as an insecticide and nematicide and in organic synthesis, dyestuffs, fumigants, insecticides, rat extermination, tear gas. Oil; mp = -64°; bp_{757} = 112°; d_4^{20} = 1.6558, d_4^{25} = 1.6483; soluble in H_2O (0.23 g/100 ml at 0°, 0.16 g/100 ml at 25°), freely soluble in C_6H_6, CS_2, Et_2O, EtOH. *Albemarle Corp.; AmeriBrom Inc.; Dow AgroSciences; Great Lakes Chemical Corp; La-Co Industries; Niklor Chem Co. Inc.; Osmose Inc.; Reddick Fumigants, Inc.; Soil Chemicals Corp.; Trical; Trinity Manufacturing Inc.*

811 Chloropivaloyl chloride

4300-97-4 H



$C_5H_8Cl_2O$

3-Chloro-2,2-dimethylpropanoyl chloride.

β-Chloropivaloyl chloride; 3-Chloro-2,2-dimethylpropanoyl chloride; Chloropivaloyl chloride; 3-Chloropivaloyl chloride; EINECS 224-311-8; NA9263; Propanoyl chloride, 3-chloro-2,2-dimethyl-.

812 Chloroprene

126-99-8 G H

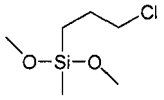
C_4H_5Cl

2-Chloro-1,3-butadiene.

1,3-Butadiene, 2-chloro-; Baypren® 110; CCRIS 873; 2-Chloor-1,3-butadieen; 2-Chlor-1,3-butadien; Chloro-butadiene; 2-Chloro-1,3-butadiene; 2-Chloro-buta-diene; 2-Chlorobuta-1,3-diene; Chloropreen; Chloro-pren; Chloroprene; Cloroprene; 2-Cloro-1,3-butadiene; EINECS 204-818-0; HSDB 1618; Neoprene; NSC 18589; UN1991; β-Chloroprene. Synthetic polymer used for moldings and extrudates, reinforced hoses, roll covers, belting, cable sheathings and insulation, sponge rubber, sheeting, fabric proofings, footwear, food-contact goods, adhesives for footwear, furniture, building industry. Used as a protective coating and in synthetic rubber manufacture by polymerization. The polymerized product bears the

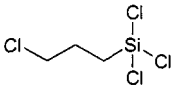
name of Neoprene. Liquid; mp = -130°; bp = 59°; d^{20} = 0.956; insoluble in H_2O (0.211 g/100 ml), soluble in EtOH, Me_2CO, very soluble in Et_2O, $CHCl_3$; LD_{50} (rat orl) = 450 mg/kg. *Bayer AG; Miles Inc.*

813 **3-Chloropropylmethyldimethoxysilane**
18171-19-2 G



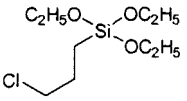
$C_6H_{15}ClO_2Si$
(3-Chloropropyl)methyldimethoxysilane.
CC3290; EINECS 242-056-0; Silane, (3-chloropropyl)dimethoxymethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

814 **Chloropropyltrichlorosilane**
2550-06-3 G H



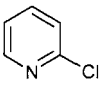
$C_3H_6Cl_4Si$
Trichloro(3-chloropropyl)silane.
CC3291; (3-Chloropropyl)trichlorosilane; Chloropropyltrichlorosilane; EINECS 219-844-8; NSC 139831; Silane, 3-chloropropyltrichloro-; Silane, trichloro(3-chloropropyl)-; Trichloro(3-chloropropyl)-silane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 181-183°; d^{20} = 1.3590. *Degussa-Hüls Corp.*

815 **3-Chloropropyltriethoxysilane**
5089-70-3 G



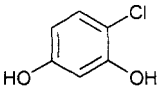
$C_9H_{21}ClO_3Si$
(3-Chloropropyl)triethoxysilane.
CC3292; (3-Chloropropyl)triethoxysilane; EINECS 225-805-6; NSC 252156; Silane, (3-chloropropyl)triethoxy-; Triethoxy(γ-chloropropyl)silane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.; Union Carbide Corp.*

816 **2-Chloropyridine**
109-09-1 G H



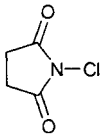
C_5H_4ClN
2-Chloropyridine.
AI3-19231; α-Chloropyridine; 2-Chloropyridine; o-Chloropyridine; CCRIS 1724; EINECS 203-646-3; NSC 4649; Pyridine, 2-chloro-; UN2822. Intermediate used in manufacture of antihistamines, germicides, pesticides and agricultural chemicals. Liquid; mp = -46°; bp = 170°; d^{15} = 1.205; λ_m = 208, 257, 263, 270 nm (MeOH); slightly soluble in H_2O (27 g/l), soluble in EtOH, Et_2O; LD_{50} (mus orl) = 110 mg/kg. *EXPANSIA; Lancaster Synthesis Co.; Olin Corp; Penta Mfg.*

817 **4-Chlororesorcinol**
95-88-5 G



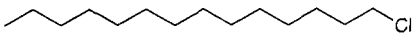
$C_6H_5ClO_2$
4-Chloro-1,3-dihydroxybenzene.
4-06-00-05684 (Beilstein Handbook Reference); AI3-03873; 1,3-Benzenediol, 4-chloro-; BRN 2042864; 4-Chloro-1,3-benzenediol; 4-Chloro-1,3-dihydroxy-benzene; 4-Chlororesorcin; 4-Chlororesorcinol; 6-Chlororesorcinol; p-Chlororesorcinol; CI 76510; 2,4-Dihydroxychlorobenzene; EINECS 202-462-0; NSC 1569; Resorcinol, 4-chloro-. Used in chemical manufacturing and synthesis. Solid; mp = 106.5-108°; bp_{18} = 147°. *Rit-Chem.*

818 **N-Chlorosuccinimide**
128-09-6 2183 G



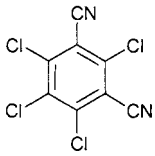
$C_4H_4ClNO_2$
1-Chloro-2,5-pyrrolidinedione.
5-21-09-00543 (Beilstein Handbook Reference); AI3-52304; BRN 0113915; Caswell No. 807; 1-Chloro-2,5-pyrrolidinedione; Chlorosuccinimide; N-Chloro-succinimide; EINECS 204-878-8; EPA Pesticide Chemical Code 077301; HSDB 5407; NCS; NSC 8748; 2,5-Pyrrolidinedione, 1-chloro-; Succinchlorimide; Succinic acid, imide, N-chloro-; Succinic N-chloroimide; Succinimide, N-chloro-; Succinochlorimide. Chlorinating agent, disinfectant for swimming pools, bactericide. Plates; mp 150°; d^{25} = 1.65; soluble in H_2O (1.4 g/100ml), EtOH, C_6H_6, $CHCl_3$, ligroin, soluble in AcOH, Me_2CO; MLD (rat orl) = 2.7 g/kg. *Janssen Chimica; Lancaster Synthesis Co.; Penta Mfg.*

819 **1-Chlorotetradecane**
2425-54-9 H



$C_{14}H_{29}Cl$
1-Chloro-n-tetradecane.
1-Chlorotetradecane; EINECS 219-368-0; Tetradecane, 1-chloro-. Liquid; mp = 2.5°; bp = 292°; d^{20} = 0.8665; insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, $CHCl_3$, very soluble in Me_2CO, C_6H_6.

820 **Chlorothalonil**
1897-45-6 2185 G P



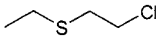
$C_8Cl_4N_2$

2,4,5,6-Tetrachloroisophthalonitrile.

AI3-28721; Black Leaf Lawn & Garden Fungicide; Bombardier; Bonide; Bravo; Bravo 6F; Bravo 500; Bravo-W-75; BRN 1978326; Caffaro; Caswell No. 215B; CCRIS 150; Chloroalonil; Chlorothalonil; Chlorthalonil; Clorthalonil; Clorto; Clortocaf ramato; Clortosip; DAC 2787; Dacobre; Daconil; Daconil 2787; Daconil Flowable; Daconil M; Dacosoil; Dexol Fungicide Containing Daconil; Dragon; Echo 75; EINECS 217-588-1; EPA Pesticide Chemical Code 081901; Evade; Exotherm; Exotherm Termil; Faber; Farber; Ferti-lome; Forturf; Green Charm Multi-Purpose Fungicide; Green Thumb Lawn & Garden Fungicide; HSDB 1546; Jupital; NCI-C00102; Nopcocide; Nopcocide N-96; Nopcocide N40D & N96; Ole; Ortho Multi-Purpose Fungicide Daconil 2787; Pennington's Pride Multi-Purpose; Pillarich; Pro-Care Multi-Purpose Fungicide; Repulse; Rigo's Best Lawn & Garden Fungicide; SA Lawn Ornamental & Vegetable; Security Fungi-Gard; Sweep; Taloberg; TCIN; m-TCPN; Termil; Terraclactyl; Tetrachlorisoftalonitril; Tetra-chloroisophthalonitrile; m-Tetrachlorophthalonitrile; TPN; Tuffcide; Vanox. A fungicide for a wide range of agricultural crops. Antimicrobial for marine antifouling coatings. Registered by EPA as a fungicide. Colorless crystals; mp = 250°; bp ▫ 350°; d = 1.800; insoluble in H_2O (0.00006 g/100 ml), more soluble in xylene (6.9 g/100 ml), cyclohexanone (2.8 g/100 ml), DMF (2.8 g/100 ml), Me_2CO (1.58 g/100 ml), DMSO (2.2 g/100 ml), kerosene (< 1 g/100 ml); LD_{50} (rat orl) = > 10000 mg/kg, (dog orl) > 5000 mg/kg, (rbt der) > 10000 mg/kg, (mallard duck orl) > 4640 mg/kg; LC_{50} (rat ihl 1 hr.) > 4.7 mg/l air, (mallard duck 8 day dietary) > 21500 mg/kg diet, (bobwhite quail 8 day dietary) = 5200 mg/kg diet, (rainbow trout 96 hr.) = 0.25 mg/l, (bluegill sunfish 96 hr.) = 0.39 mg/l, (channel catfish 96 hr.) = 0.43 mg/l; non-toxic to bees. *BASF plc; Brown Butlin Ltd; Caffaro SpA; Chiltern Farm Chemicals Ltd; Fermenta Animal Health Co.; Fermenta; GB Biosciences Corp.; Griffin LLC; Henkel; Hüls Am.; ICI Agrochemicals; Shell UK; Snia UK; Syngenta Crop Protection; Thor; Value Gardens Supply LLC.*

821 Chlorothiolalcohol

693-07-2 H



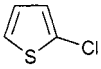
C_4H_9ClS

2-Chloroethyl ethyl sulfide.

4-01-00-01407 (Beilstein Handbook Reference); BRN 0635672; Chlordiethylsulfid; 1-Chloro-2-(ethyl-thio)ethane; 2-Chloroethyl ethyl sulfide; 2-Chloroethyl ethyl sulphide; Chlorothiolalcohol; EINECS 211-742-1; Ethane, 1-chloro-2-(ethylthio)-; Ethyl β-chloroethyl sulfide; Ethyl 2-chloroethyl sulfide; β-Ethylmerkapto-ethylchlorid; 2-(Ethylthio)chloroethane; 2-Ethylthio-ethyl chloride; h-Mg; h-MG; Half-mustard gas; HSDB 5744; NSC 10977; Sulfide, chloroethyl ethyl; Sulfide, 2-chloroethyl ethyl.

822 2-Chlorothiophene

96-43-5 G



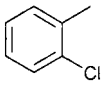
C_4H_3ClS

2-Thienyl chloride.

EINECS 202-505-3; NSC 8747; Thiophene, 2-chloro-. Used in organic synthesis. Liquid; mp = -71°; bp = 128.3°; d^{20} = 1.2863; λ_m = 235 nm (MeOH); insoluble in H_2O, slightly soluble in $CHCl_3$, very soluble in EtOH, Et_2O. *Janssen Chimica.*

823 o-Chlorotoluene

95-49-8 2190 H



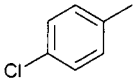
C_7H_7Cl

Benzene, 1-chloro-2-methyl-.

4-05-00-00805 (Beilstein Handbook Reference); AI3-15912; Benzene, 1-chloro-2-methyl-; BRN 1904175; CCRIS 7785; o-Chlorotoluene; EINECS 202-424-3; Halso 99; HSDB 5291; NSC 8766; Toluene, o-chloro-; o-Tolyl chloride; UN2238. Oil; mp = -35.6°; bp = 159.0°; d^{20} = 1.0825; λ_m = 212, 259, 265, 273 (ε = 9390, ?, 288, 250, MeOH); insoluble in H_2O, soluble in EtOH, C_6H_6, freely soluble in Et_2O, Me_2CO, $CHCl_3$, CCl_4.

824 p-Chlorotoluene

106-43-4 2190 H



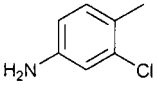
C_7H_7Cl

4-Chlorotoluene.

AI3-16045; Benzene, 1-chloro-4-methyl-; CCRIS 6000; 1-Chloro-4-methylbenzene; 4-Chloro-1-methyl-benzene; 4-Chlorotoluene; p-Chlorotoluene; EINECS 203-397-0; HSDB 1343; 1-Methyl-4-chlorobenzene; NSC 404114; Toluene, p-chloro-; UN2238. Liquid; mp = 7.5°; bp = 162.4°; d^{20} = 1.0697; λ_m = 220, 263, 269, 277 nm (ε = 11000, 388, 527, 507, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, CCl_4, $CHCl_3$, AcOH.

825 3-Chloro-p-toluidine

95-74-9 H



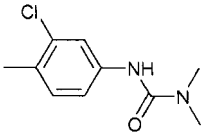
C_7H_8ClN

Benzenamine, 3-chloro-4-methyl-.

4-12-00-01985 (Beilstein Handbook Reference); 4-Amino-2-chlorotoluene; Benzenamine, 3-chloro-4-methyl-; BRN 0636511; CCRIS 152; DRC 1339; DRC 1347; EINECS 202-446-3; HSDB 2060; 4-Methyl-3-chloroaniline; NCI-C02040; NSC 96620; p-Toluidine, 3-chloro-. Solid; mp = 26°; bp = 243°; λ_m = 237, 296 nm (cyclohexane); soluble in EtOH, poorly soluble in CCl_4.

826 Chlorotoluron

15545-48-9 2191 H



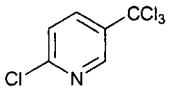
$C_{10}H_{13}ClN_2O$

N'-(3-Chloro-4-methylphenyl)-N,N-dimethylurea.

4-12-00-01986 (Beilstein Handbook Reference); BRN 2647688; C 2242; Caswell No. 216D; CGA 15646; 3-(3-Chlor-4-methylphenyl)-1,1-dimethylharnstoff; 3-(3-Chloro-4-methylphenyl)-1,1-dimethylurea; N-(3-Chloro-4-methylphenyl)-N',N'-dimethylurea; N'-(3-Chloro-4-methylphenyl)-N,N-dimethylurea; Chloro-toluron; 3-(3-Chloro-p-tolyl)-1,1-dimethylurea; Clor-tokem; Deltarol; Dicuran; Dicurane; Dikurin; N,N-Dimethyl-N'-(3-chloro-4-methylphenyl)urea; EINECS 239-592-2; EPA Pesticide Chemical Code 216500; Higaluron; Highuron; HSDB 2760; Ludorum; Talisman; Tolurane; Tolurex; Toro; Urea, 3-(3-chloro-p-tolyl)-1,1-dimethyl-; Urea, N'-(3-chloro-4-methylphenyl)-N,N-dimethyl-. Selective pre-and post-emergence herbicide absorbed by foliage and roots. Used with winter cereals for control of annual grasses and broad leaved weeds. Inhibits photosynthesis. Colorless crystals; mp = 147 - 148°; soluble in H_2O (0.007 g/100 ml), Me_2CO (3.9 g/100 ml), CH_2Cl_2 (5.7 g/100 ml), C_6H_6 (2.1 g/100 ml), EtOAc (1.8 g/100 ml), i-PrOH (1.2 g/100 ml); LD_{50} (rat orl) > 10000 mg/kg, (rat der) > 2000 mg/kg; LC_{50} (rainbow trout 96 hr.) = 20 - 35 mg/l, (bluegill sunfish 96 hr.) = 40 - 50 mg/l, (crucian carp 96 hr.) > 100 mg/l; non-toxic to birds; non-toxic to bees. *Agan Chemical Manufacturers; Agrolinz; Ciba-Geigy Corp.; Diachem; Farmers Crop Chemicals Ltd.; Hightex; Kemichrom; Makhteshim-Agan; Syngenta Crop Protection.*

827 2-Chloro-5-trichloromethylpyridine

69045-78-9 H



$C_6H_3Cl_4N$

Pyridine, 2-chloro-5-(trichloromethyl)-.

828 Chlorotriethylsilane

828 Chlorotriethylsilane

994-30-9 G

$C_6H_{15}ClSi$

Triethylchlorosilane.

CT2520; EINECS 213-615-6; Silane, chlorotriethyl-; Triethylchlorosilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 142-144°; d = 0.8980. *Degussa-Hüls Corp.*

829 Chlorotrifluoromethane

75-72-9 G

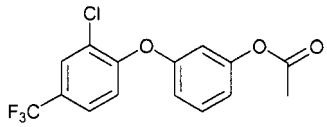
$CClF_3$

Monochlorotrifluoromethane.

4-01-00-00034 (Beilstein Handbook Reference); Arcton; Arcton 3; BRN 1732392; CFC; CFC-13; Chlorotrifluoromethane; Chlorotrifluoromethane or Refrigerant gas R 13; EINECS 200-894-4; F 13; FC 13; Fluorocarbon 13; Freon; Freon 13; Frigen; Frigen 13; Genetron; Genetron 13; Halocarbon 13; Halocarbon 13/ucon 13; HSDB 140; Methane, chlorotrifluoro-; Methane, monochlorotrifluoro-; R-13; Trifluorochloro-methane; Trifluoromethyl chloride; Trifluoromono-chlorocarbon; UN1022. Refrigerant, dielectric and aerospace chemical, hardening of metals, pharm-aceutical processing. As Aerosol® propellant. Low temperature refrigerant used in low stage of cascade systems to provide evaporator temperatures of - 100°F. Colorless gas; mp = -181°; bp = -81.4°. *Allied Signal; Elf Atochem N. Am.; PCR.*

830 3-(2-Chloro-4-(trifluoromethyl)-phenoxy)phenol acetate

50594-77-9 H



$C_{15}H_{10}ClF_3O_3$

Phenol, 3-(2-chloro-4-(trifluoromethyl)phenoxy)-, acetate.

2-Chloro-1-(3-acetoxyphenoxy)-4-(trifluoromethyl)-benzene; 2-Chloro-4-trifluoromethyl-3'-acetoxy-di-phenyl ether; 3-(2-Chloro-4-(trifluoromethyl)-phenoxy)-phenol acetate; EINECS 256-635-0; Phenol, 3-(2-chloro-4-(trifluoromethyl)phenoxy)-, acetate

831 Chlorotrifluoroethylene

79-38-9 H

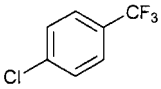
C_2ClF_3

1-Chloro-1,2,2-trifluoroethylene.

4-01-00-00704 (Beilstein Handbook Reference); BRN 1740373; CFE; Chlorotrifluoroethylene; Chlortrifluor-aethylen; Chlortrifluoräthylen; CTFE; Daiflon; EINECS 201-201-8; Ethene, chlorotrifluoro-; Ethylene, chlorotrifluoro-; Ethylene, trifluorochloro-; Fluoroplast 3; Genetron 1113; HSDB 2806; Monochlorotri-fluoroethylene; Trifluorchlorethylen; Trifluorochloro-ethylene; Trifluoromonochloroethylene; Trifluorovinyl chloride; Trithene; UN1082. Used as a monomer in production of fluoropolymers, particularly Ethylene-Chlorotrifluoroethylene Copolymer (ECTFE). Gas; mp ▫ -158°; bp = -27.8°; d^{-60} = 1.54; soluble in C_6H_6, $CHCl_3$. *Allied Signal; Fluorochem Ltd.*

832 4-Chloro-α,α,α-trifluorotoluene

98-56-6 2145 H



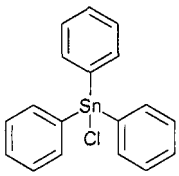
$C_7H_4ClF_3$

Benzene, 1-chloro-4-(trifluoromethyl)-.

4-05-00-00815 (Beilstein Handbook Reference); BRN 0510203; CCRIS 720; EINECS 202-681-1; HSDB 4251; NSC 10309; p-Chloro-α,α,α-trifluorotoluene; p-Chlorobenzotrifluoride; p-Chlorotrifluoromethyl-benzene; p-Trifluoromethylphenyl chloride; Toluene, p-chloro-α,α,α-trifluoro-; p-(Trifluoromethyl)chloro-benzene. Used in manufacture of pesticides and as a dielectric fluid and solvent. Oil; mp = -33°; bp ▫ 138.5°; d^{25} = 1.3340; λ_m = 219, 255, 261, 266, 272 nm (ε = 6680, 184, 207, 160, 117, MeOH); almost insoluble in H_2O (0.0029 g/100 ml).

833 Chlorotriphenyltin

639-58-7 H



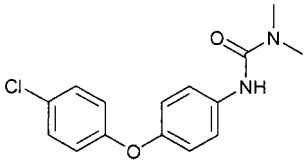
$C_8H_{15}ClSn$

Triphenyltin chloride.

AI3-25207; Aquatin; Aquatin 20 EC; Brestanol; Caswell No. 896D; CCRIS 6325; Chlorotriphenylstannane; EINECS 211-358-4; EPA Pesticide Chemical Code 496500; Fentin chloride; GC 8993; General chemicals 8993; HOE 2872; HSDB 6404; LS 4442; NSC 1214; NSC 43675; Phenostat-C; Stannane, chlorotriphenyl-; Tinmate; TPTC; Triphenylchlorostannane; Triphenylchlorotin; Triphenyltin chloride. Solid; mp = 103.5°; λ_m = 245, 251, 257, 261, 267 nm (ε = 620, 830, 1040, 887, 636, MeOH); soluble in $CHCl_3$.

834 Chloroxuron

1982-47-4 G P



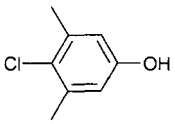
$C_{15}H_{15}ClN_2O_2$

N-[4-(4-chlorophenoxy)phenyl]-N,N-dimethylurea.

BRN 2814275; C-1933; C 1983; Caswell No. 217B; 3-(4-(4-Chloor-fenoxy)-fenoxy)-fenyl-1,1-dimethylureum; 3-(4-(4-Chloor-fenoxy)-fenyl)-1,1-dimethylureum; 1-(4-(4-Chloro-phenoxy)phenyl)-3,3'-methyluree; 3-(4-(4-Chlorophenoxy)phenyl)-1,1-dimethylurea; 3-(4-(4-Chlorphenoxy)-phenyl)-1,1-dimethylharnstoff; 3-(p-(p-Chlorophenoxy)phenyl)-1,1-dimethylurea; 3-(4-(4-Chlorofenossil)fenil)-1,1-dimetil-urea; 3-(4-(4-Cloro-fenossil)-fenossil)-1,1-dimetil-urea; Chloroxifenidim; Chloroxuron; Chlorphencarb; Ciba 1983; EINECS 217-843-7; EPA Pesticide Chemical Code 025501; Gesa-moos; HSDB 980; N'-(4-Chlorophenoxy)phenyl-N,N-dimethylurea; N'-4-(4-Chlorophenoxy)phenyl-N,N-di-methylurea; Norex; Tenoran; Urea, 3-(p-(p-chloro-phenoxy)phenyl)-1,1-dimethyl-; Urea, N'-(4-(4-chloro-phenoxy)phenyl)-N,N-dimethyl-. Selective urea herb-icide, inhibits photosynthesis. Used for pre- and post-emergence control of annual broad-leaved weeds and some grasses in peas, beans, carrots, celery, onions, leeks, garlic, chives, fennel, parsley, dill, tomatoes, cucurbits, soya beans, strawberries and ornamentals. Crystals; mp = 151-152°; soluble in H_2O (3.7 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 3700 mg/kg. *Ciba Geigy Agrochemicals.*

835 Chloroxylenol

88-04-0 2194 D G



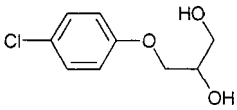
C_8H_9ClO

4-Chloro-3,5-xylenol.

4-06-00-03152 (Beilstein Handbook Reference); AI3-08632; Benzytol; BRN 1862539; Caswell No. 218; Chloroxylenol; Chloroxylenolum; Chlorxylenolum; Clorossilenolo; Cloroxilenol; Desson; Dettol; Dettol, liquid antiseptic; EINECS 201-793-8; EPA Pesticide Chemical Code 086801; Espadol; Husept Extra; Nipacide MX; NSC 4971; Ottasept; Ottasept Extra; Parametaxylenol; PCMX; RBA 777; Septiderm-Hydrochloride; Willenol V. Antiseptic, antibacterial and germicide. Used as a mildewcide, a topical urinary bactericide and a germicide. A preservative for disinfectant, algicide, slimicide, and water treatment pesticide products, polymer emulsions, adhesives, latex paints, metalworking cutting fluids. Solid; mp = 115°; bp = 246°; λ_m = 279, 287 nm (ε = 2089, 2089, cyclohexane); volatile with steam; slightly soluble in H_2O; more soluble in organic solvents; LD_{50} (rat orl) = 3830 mg/kg. *Nipa.*

836 Chlorphenesin

104-29-0 2196 D G



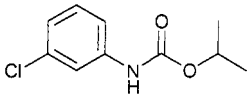
$C_9H_{11}ClO_3$

3-(4-Chlorophenoxy)-1,2-propanediol.

4-06-00-00831 (Beilstein Handbook Reference); Adermykon; AI3-24623; BRN 2210845; Chlorophenesin; Chlorphenesin; Chlorphenesine; Chlorphenesinum; Clorfenesina; Demykon; EINECS 203-192-6; Gecophen; Mycil; NSC 6401. A medical antifungal agent. Crystals; mp = 78°; bp_{19} = 214-215°; λ_m = 228, 281, 288 nm (ε = 12400, 1580, 1280, MeOH); insoluble in H_2O (< 1 g/100 ml), soluble in C_6H_6, very soluble in EtOH, Et_2O. *British Drug Houses.*

837 Chlorpropham

101-21-3 2206 G P



$C_{10}H_{12}ClNO_2$

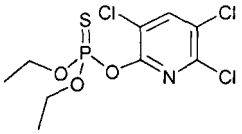
Carbamic acid, (3-chlorophenyl)-, 1-methylethyl ester.

4-12-00-01149 (Beilstein Handbook Reference); AI3-18060; Beet-Kleen; BRN 2211397; Bud Nip; Bygran; Carbamic acid, (3-chlorophenyl)-, 1-methylethylester; Carbanilic acid, m-chloro-, isopropyl ester; Caswell No. 510A; N-(3-Chloor-fenyl)-isopropyl carbamaat; Chlor IFK; Chlor IPC; Chlor-IFC; 3-Chlorocarbanilic acid, isopropyl ester; N-(3-Chloro phenyl) carbamate d'isopropyle; N-(3-Chlorophenyl)carbamic acid, isopropylester; N-(3-Chlorophenyl)isopropyl carb-amate; N-(3-Cloro-fenil)-isopropil-carbammato; N-3-Chlorophenylisopropyl-carbamate; N-(3-Chlor-phenyl)-isopropyl-carbamat; Chloro-IFK; Chloro-IPC; (3-Chlorophenyl)carbamic acid, 1-methylethylester; Chloropropham; Chlor-propham; Chlorprophame; Cl-IFK; Cl-IPC; CIPC; EINECS; Elbanil; ENT 18,060; EPA Pesticide Chemical Code 018301; Fasco WY-hoe; Furloe; Furloe 3EC; Furloe 4EC; HSDB 981; Iso-propyl N-chlorophenylcarbamate; Isopropyl 3-chloro-carbanilate; Isopropyl-m-chlorocarbanilate; Isopropyl 3-chlorophenylcarbamate; Isopropyl metachloro-carbanilate; Isopropyl N-(m-chlorophenyl)carbamate; Isopropyl-N-(3-chlorophenyl)carbamate; Isopropyl-N-(3-chlorphenyl)-carbamat; Isopropyl-N-m-chloro-phenylcarbamate; Jack Wilson chloro 51(oil); Keim-stop; Liro CIPC; 1-Methylethyl(3-chlorophenyl)-carbamate; Metoxon; Mirvale; Nexoval; NSC 29466; O-Isopropyl N-(3-chlorophenyl)carbamate; Preventol; Preventol 56; Preweed; Sprout nip; Sprout-nip EC; Spud-Nic; Spud-Nie; Stopgerme-S; Taterpex; Triherbicide CIPC; Unicrop CIPCY. Selective systemic herbicide and growth regulator. Used for pre-emergence control of annual grasses and broad-leaved weeds. Registered by EPA as a herbicide. Colorless crystals; mp = 41°; bp_2 = 149°; d^{30} = 1.180; soluble in H_2O (0.0089 g/100 ml), more soluble in organic solvents;

LD_{50} (rat orl) = 5000 - 7500 mg/kg, (rbt orl) = 5000 mg/kg, (mallard duck orl) > 2000 mg/kg; LC_{50} (bluegill sunfish 48 hr.) ■ 12 mg/l, (bass 48 hr.) = 10 mg/l; non-toxic to bees. *Aceto; Atlas Interlates Ltd; Cerexagri, Inc.; Dean AG; Hortichem Ltd.; ICI Chem. & Polymers Ltd.; Mirfield Sales Services Ltd; MTM AgroChemicals Ltd.; Pfizer Intl.; UAP - Platte Chemical; UAP-West.*

838 Chlorpyrifos

2921-88-2 2208 G H P



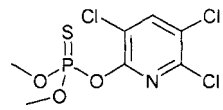
$C_9H_{11}Cl_3NO_3PS$

O,O-Diethyl O-(3,5,6-trichloro-2-pyridinyl) phos-phorothioate.

AI3-27311; Bonidel; BRN 1545756; Brodan; Caswell No. 219AA; CCRIS 7144; Chlorpyrifos; Chlorpyrifos-ethyl; Chlorpyriphos; Chlorpyriphos-ethyl; Coroban; Crossfire; Danusban; Detmol U.A.; Dhanusban; Dowco 179; Durmet; Dursban; Dursban 10CR; Dursban 44; Dursban 4E; Dursban F; Dursban R; EINECS 220-864-4; Empire 20; ENT 27311; EPA Pesticide Chemical Code 059101; Equity; Ethyl chlorpyriphos; Geodinfos; Grofo; HSDB 389; Killmaster; Lentrek; Lock-On; Lorsban; Lorsban 50SL; OMS-0971; O,O-Diaethyl-O-3,5,6-trichlor-2-pyridyl-monothiophosphat; O,O-Dithyl-O-3,5,6-trichlor-2-pyridylmonothiophosphat; O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate; O,O-Diethyl O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate; O,O-Diethyl O-(3,5,6-trichloro-2-pyridyl) phsophorothioate; Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester; Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) ester; Piridane; 2-Pyridinol, 3,5,6-trichloro-, O-ester with O,O-diethyl phosphorothioate; Pyrinex; Radar; Radar (fungicide); Spannit; Stipend; suSCon Blue; suSCon Green; Suscon; Tafaban; Talon; Terial; Terial 40L; Trichlorpyrphos; XRM 429; XRM 5160; Zidil; 3,5,6-trichloro-2-pyridinol O-ester with O,O-diethyl phosphorothioate; AI3-27311; BRN 1545756; Brodan; Caswell No. 219AA; CCRIS 7144; Chloropyrifos; Chloropyriphos; Chlor-pyrifos-ethyl; Chlorpyrifos 4E-AG-SG; Chlorpyrifos ethyl; Chlorpyriphos-ethyl; Chlorpyritos; Coroban; Danusban; Detmol; Detmol U.A.; O,O-Diäthyl-O-3,5,6-trichlor-2-pyridylmonothiophosphat; Diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate; Diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothio-ate; Dowco 179; Durmet; Dursban; Dursban 10cr; Dursban 4E; Dursban f; Dursban 44; Dursban 4E; Dursban F; Dursban HF; Dursban/Lorsban; Dursban(R); ENT 27311; EPA Pesticide Chemical Code 059101; Eradex; Ethion, dry; HSDB 389; Killmaster; Lorsban; Lorsban 50SL; Lorsban 4E-SG; OMS-0971; Phosphorothioic acid O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester; Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) ester; Piridane; Pyrindol, 3,5,6-trichloro-, O-ester with O,O-diethylphos-phorothioate; Pyrinex; Stipend; Super I.Q.A.P.T; Suscon; Terial; Terial 40l; Trichlorpyrphos; u.a; Zidil. Non-systemic insecticide. A broad-spectrum insect-icide with many crop uses, an organophosphorus insecticide used for control of soil insects. Registered by EPA as a herbicide. Insecticides containing chlorpyrifos are used to control ticks on cattle, mosquitoes, and other insects. Colorless crystals; mp = 41-42°; λ_m = 208, 230, 290 nm; insoluble in H_2O (0.0002 g/100 ml), soluble in C_6H_6 (695 g/100 ml), Me_2CO (512 g/100 ml), $CHCl_3$ (932 g/100 ml), CS_2 (743 g/100 ml), Et_2O (358 g/100 ml), xylene (344 g/100 ml), CH_2Cl_2 (532 g/100 ml), isooctane (55 g/100 ml), MeOH (36 g/100 ml); LD_{50} (rat orl) = 135 - 163 mg/kg, (gpg orl) = 504 mg/kg, (rbt orl) = 1000 - 2000 mg /kg, (rbt der) = 2000 mg/kg, (ckn orl) = 32 mg/kg, (bee contact) = 59 ng/bee, (bee orl) = 250 ng/bee; LC_{50} (rat ihl 4 hr.) > 0.2 mg/l air, (rainbow trout 96 hr.) = 0.003 mg/l, (goldfish 24 hr.) ■ 0.18 mg/l; toxic to crustaceans, toxic to bees. *Diachem; Dow AgroSciences; Dow UK; Farmers Crop Chemicals Ltd.; FCC; Frowein; Makhteshim-Agan; Pan Britannica Industries Ltd.; Planters Products; Rhône Poulenc Crop Protection Ltd.; Siapa; TopPro Specialties; United Horticultural Supply; W Neudorff GMBH KG; Wilbur-Ellis Co.*

839 Chlorpyrifos methyl

5598-13-0 2208 G P



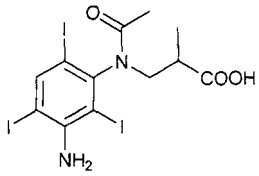
$C_7H_7Cl_3NO_3PS$

2-(3-Chlorophenoxy)propanamide.

AI3-27520; BRN 1541078; Caswell No. 179AA; Chloropyriphos-methyl; Chlorpyrifos-methyl; Chlor-pyrifos O,O-dimethyl analog; Chlorpyriphos-methyl; Dowco 214; Dursban methyl; EINECS 227-011-5; ENT 27520; EPA Pesticide Chemical Code 059102; HSDB 6981; M 3196; Methyl chlorpyrifos; Methyl chlor-pyriphos; Methyl dursban; Methylchlorpyrifos; Noltran; NSC 60380; OMS-1155; O,O-Dimethyl O-(3,5,6-trichloro-2-pyridyl)phosphorothioate; O,O-Dimethyl O-(3,5,6-trichloro-2-pyridinyl) phosphoro-thioate; Phosphorothioic acid, O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl) ester; Phosphorothioic acid, O,O-dimethyl O-(3,5,6-trichloro-2-pyridyl) ester; Reldan; Reldan 50 EC; Trichlormethylfos; Tumar; Zertell; O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)-phosphorothioate; Dowco 214; Dursban methyl; EPA Pesticide Chemical Code 021203; Methyl chlorpyrifos; Methyl Dursban; Propionamide, 2-(m-chlorophenoxy)-; Reldan; Trichlormethylfos. An organophosphate insecticide used to control pests in stored grain and oilseed rape. Registered by EPA as an insecticide and acaricide. Crystals; mp = 45.5 - 46.5°; slightly soluble in H_2O (0.0005 g/100 ml), Me_2CO (504 g/100 ml), C_{66} (458 g/100 ml), Et_2O (336 g/100 ml), $CHCl_3$ (5180 g/100 ml); MeOH (31 g/100 ml), C_6H_{14} (15 g/100 ml); LD_{50} (rat orl) = 1630 - 2140 mg/kg, (mus orl) = 1100 - 2250 mg/kg, gpg orl) = 2250 mg/kg, (rbt orl) = 2000 mg/kg, (rbt der) > 2000 mg/kg, (rat der) > 3700 mg/kg, (ckn orl) > 7950 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.67 mg/l, (mallard ducks 8 day dietary) = 2500 - 5000 mg/kg, (rainbow trout 96 hr.) = 0.301 mg/l; toxic to crustacea. *Dow AgroSciences; DowElanco Ltd.; Gustafson LLC; Wellcome Foundation Ltd.*

840 Cholebrine

16034-77-8 5032 G



$C_{12}H_{13}I_3N_2O_3$

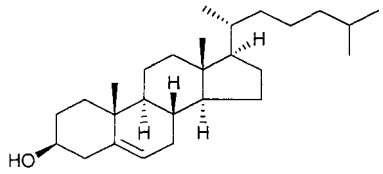
Iocetamic acid.

3-(Acetyl-(3-amino-2,4,6-triiodophenyl)amino)-2-methylpropanoic acid; Acide iocetamique; Acido iocetamico; Acidum iocetamicum; Acidum jocetamicum; β-Alanine, N-acetyl-N-(3-amino-2,4,6-triiodophenyl)-2-methyl-; BRN 2171366; Cholebrine; Cholimil; Colebrina; DRC 1201; EINECS 240-173-1; HSDB 3344; Iocetamic acid; MP 620; N-Acetyl-N-(3-amino-2,4,6-triiodophenyl)-2-methyl-β-alanine; N-Acetyl-N-(3-amino-2,4,6-triiodophenyl)-β-aminoiso-butyric acid; N-Acetyl-N-(2,4,6-triiodo-3-amino-phenyl)-β-aminoisobutyric acid; Propanoic acid, 3-(acetyl(3-amino-2,4,6-triiodophenyl)amino)-2-methyl-; Propionic acid, 3-(acetyl-(3-amino-2,4,6-triiodo-phenyl)amino)-2-methyl-. Diagnostic aid in cholecystography. Cream-white powder; mp = 224-225°; insoluble in H_2O, slightly

soluble in Et_2O, C_6H_6,EtOH, Me_2CO, $CHCl_3$; LD_{50} (rat orl) = 7.1 g/kg, (rat iv) = 700 mg/kg. *Mallinckrodt Inc.*

841 Cholesterol

57-88-5 2221 D G



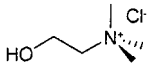
$C_{27}H_{46}O$

Cholest-5-en-3-β-ol.

AI3-03112; CCRIS 2834; Δ^5-Cholesten-3-β-ol; Cholesterin; Cholesterine; Cholesterol; Cholesterol base H; Cholesteryl alcohol; Cholestrin; Cholestrol; Cordulan; Dusoline; Dusoran; Dythol; EINECS 200-353-2; HSDB 7106; Hydrocerin; Kathro; Lanol; Lidinit; Lidinite; Nimco cholesterol base H; NSC 8798; Provitamin D; Super hartolan; Tegolan; Wool alcohols B. P. Found in all body tissues; used as an emulsifying agent in cosmetics and pharmaceutical products; source of estradiol and other steroidal drugs. White solid; mp = 148.5°; bp = 360° (dec); d_4^{19} = 1.052; $[\alpha]_D^{20}$= -31.5° (c = 2, Et_2O); insoluble in H_2O, soluble in organic solvents. *Croda; Enzypharm BV; Schweizerhall Inc.; Solvay Duphar Labs Ltd.; U.S. BioChem.*

842 Choline chloride

67-48-1 2226 G H P



$C_5H_{14}ClNO$

Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride .

AI3-18302; Ammonium, (2-hydroxyethyl)trimethyl-, chloride; Bilineurin chloride; Biocolina; Biocoline; CCRIS 3716; Chloride de choline; Chlorure de choline; Choline chlorhydrate; Choline chloride; Choline hydrochloride; Cholini chloridum; Cholinium chloride; Cloruro de colina; Colina cloruro; EINECS 200-655-4; Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride; Hepacholine; Hormocline; HSDB 984; Lipotril; Luridin chloride; Neocolina; NSC 402838; Paresan; Trimethyl(2-hydroxyethyl)ammonium chloride . Animal feed additive. Freely soluble in H_2O, EtOH; LD_{50} (rat orl) = 6.64 g/kg. *Am. Biorganics; Mitsubishi Gas; Penta Mfg.; Tanabe U.S.A. Inc.; UCB Res. Inc.*

843 Chromated copper arsenate

37337-13-6 H

Chromated copper arsenate.

Arsenic acid (H_3AsO_4), copper(2+) salt (2:3), chromated; Chromated copper arsenate. Used as an antifungal agent, to protect wood structures. Use to impregnate building materials, including wood.

844 Chrome black

12018-10-9 2662 G

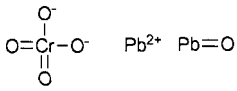
$Cr_2Cu_2O_5$

Cupric chromite(III).

Chromium copper oxide (Cr_2CuO_4); Copper chromite; Copper chromium oxide; Copper dichromium tetraoxide; Cupric chromite; EINECS 234-634-6. Used as a hydrogenation catalyst. Black tetragonal crystals; dec > 900°; insoluble in H_2O, acids.

845 Chrome red

18454-12-1 5424 G



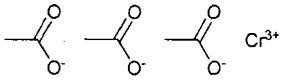
$CrPb_2O_5$

Lead chromate(VI) oxide.

American vermilion; Arancio cromo; Austrian cinnabar; Basic chromium lead oxide ($CrPb_2O_5$); CCRIS 6187; Chinese red; Chrome carmine, chinese scarlet; Chrome cinnabar; Chrome garnet; Chrome orange; Chrome ruby; Chromic acid, lead(2+) salt (1:2); Chromium dilead pentaoxide; Chromium lead oxide; Derby red; Dilead chromate oxide; EINECS 242-339-9; HSDB 6185; Lead chromate oxide; Lead chromate oxide ($Pb_2(CrO_4)O$); Lead chromate(IV); Lead chromate(VI) oxide; Persian red; Victoria red; Vienna red. Pigments consisting of basic lead chromate, Red powder; insoluble in H_2O.

846 Chromic acetate

1066-30-4 2239 G



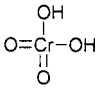
$C_6H_9CrO_6$

Chromium(III) acetate .

Acetic acid, chromium(3+) salt; CAC 10; Chromic acetate; Chromic(III) acetate; Chromium acetate; Chromium acetate ($Cr(AcO)_3$); Chromium triacetate; Chromium(III) acetate; EINECS 213-909-4; HSDB 985. Used as a textile mordant, tanning, polymerization and oxidation catalyst, emulsion hardener. [Hydrate] gray-green powder; slightly soluble in H_2O; MLD (frg iv) = 6185 mg/kg, (mus iv) = 2290 mg/kg, (rbt iv) = 1604 mg/kg. *Alcoa Ind. Chem.; Noah Chem.; Spectrum Chem. Manufacturing.*

847 Chromic acid

7738-94-5 G P



CrH_2O_4

Chromium trioxide.

Acide chromique; AI3-51760; Caswell No. 221; Chromic acid; Chromic acid (H_2CrO_4); Chromic(VI) acid; Chromium hydroxide oxide; EINECS 231-801-5; EPA Pesticide Chemical Code 021101; HSDB 6769. Used in manufacture of chemicals (chromates, oxidizing agents, catalysts) and medicines, in process engraving, anodizing, ceramic glazes, colored glass, metal cleaning, inks, tanning, paints, textile mordant, etchant for plastics. Registered by EPA as a fungicide. *British Chrome & Chemical; Elf Atochem N. Am.; OxyChem; Rit-Chem; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

848 Chromic chloride

10025-73-7 2242 G

Cl_3Cr

Chromium(III) chloride anhydrous.

C.I. 77295; CCRIS 5557; Chrometrace; Chromic chloride; Chromic chloride anhydrous; Chromic(III) chloride; Chromium chloride ($CrCl_3$); Chromium trichloride; Chromium(3+) chloride; Chromium(III) chloride; Chromium(III) chloride, anhydrous; CI 77295; EINECS 233-038-3; HSDB 6341; Puratronic chromium chloride; Trichlorochromium. Used to prepare chromium salts, intermediates, textile mordant, chromium plating, preparation of sponge chromium, catalyst for polymerizing olefins, waterproofing. The hexahydrate [10025-73-7] is used as a dietary supplement. Crystals; mp = 1152°; d^{25} = 2.87; MLD (mus, iv) = 801 mg/kg. *Armour Pharm. Co. Ltd.; Atomergic Chemetals; Cerac; Hoechst Celanese.*

849 Chromic fluoride

7788-97-8 2243 G

CrF_3

Chromium(III) fluoride.

Chrome fluorure; Chromic fluoride; Chromic trifluoride; Chromium fluoride (CrF_3); Chromium trifluoride; Chromium(III) fluoride; Fluorchrome; EINECS 232-137-9; UN1756; UN1757. A mordant. Used in printing, dyeing woolens, coloring marble, treating silk and polishing metals. Solid; mp = 1100°; d = 3.8; insoluble in H_2O, EtOH.

850 Chromic oxide

1308-38-9 2247 G

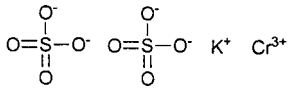
Cr_2O_3

Chromium (III) oxide.

11661 Green; Amdry 6410; Amperit 704.0; Anadonis Green; Anhydride chromique; C-Grun; C.I. 77288; C.I. Pigment Green 17; Casalis Green; CCRIS 3182; Chrome Green; Chrome Green F 3; Chrome Ocher; Chrome Ochre; Chrome oxide; Chrome oxide (Cr_2O_3); Chrome Oxide Green GN-M; Chrome Oxide Green BX; Chrome Oxide Green GP; Chromia; Chromic Acid Green; Chromic oxide; Chromium oxide; Chromium oxide (Cr_2O_3); Chromium oxide (Cr_8O_{12}); Chromium Oxide Green; Chromium Oxide Pigment; Chromium Oxide X1134; Chromium sesquioxide; Chromium trioxide; Chromium(3+) oxide; Chromium(3+) trioxide; Chromium(III) oxide; Chromium(III) oxide (2:3); Chromium(III) sesquioxide; CI 77288; CI Pigment Green 17; Cosmetic hydrophobic Green 9409; Cosmetic micro blend chrome oxide 9229; Dichromium trioxide; EINECS 215-160-9; Green Chrome Oxide; Green chromic oxide; Green chromium oxide; Green cinnabar; Green Oxide of Chromium; Green rouge; HSDB 1619; Kromex U 1; Leaf green; Levanox Green GA; M100; Oil Green; OKhP1; Oxide of chromium; P 106F10; Pigment green 17; PK 5304; Pure Chromium Oxide Green 59. Used in metallurgy, green paint pigment, ceramics, catalyst in organic synthesis, green granules in asphalt roofing, component of refractory brick, abrasive. Green solid; mp ▫ 2435°; bp = ca. 3000°; d^{25} ▫ 5.22; insoluble in H_2O, EtOH, Me_2CO, soluble in alkalis, acids. *Atomergic Chemetals; British Chrome & Chemical; Noah Chem.*

851 Chromic potassium sulfate

10141-00-1 2250 G



$CrKO_8S_2$

Potassium chromium(III) sulfate.

0% Basicity chrome alum; CCRIS 7532; Chrome alum; Chrome potash alum; Chromic potassium sulfate; Chromic potassium sulphate; Chromium potassium bis(sulphate); Chromium potassium sulfate (1:1:2); Chromium potassium sulfate ($CrK(SO_4)_2$); Chromium potassium sulphate; Chromium(III) potassium sulfate; Crystal Chrome Alum; EINECS 233-401-6; Potassium chromic sulfate; Potassium chromic sulphate; Potassium chromium alum; Potassium chromium disulfate ($KCr(SO_4)_2$); Potassium disulphatochromate (III); Sulfuric acid, chromium(3+) potassium salt (2:1:1). Mordant for dyeing fabrics uniformly [dodecahydrate]; mp = 89°; d^{25} = 1.83; soluble in 4 parts H_2O.

852 Chromium

7440-47-3 2252 G

Cr

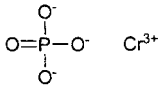
Cr

Chromium.

CCRIS 159; Chrom; Chrome; Chromium; Chromium, elemental; Chromium metal; EINECS 231-157-5; HSDB 910. Metallic element; Cr; alloying and plating element for corrosion resistance, stainless steels, protective coatings, nuclear and high-temperature research, constituent of inorganic pigments. Metal; mp = 1903°; bp = 2642°; d^{20} ▫ 7.14. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

853 Chromium phosphate

7789-04-0 2248 G



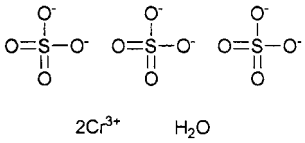
CrO_4P

Phosphoric acid chromium (III) salt.

Arnaudon's Green; Chromic phosphate; Chromium monophosphate; Chromium orthophosphate; Chromium phosphate; EINECS 232-141-0; Phosphoric acid, chromium(3+) salt (1:1); Plessy's green. Chromic phosphate, used as a pigment.

854 Chromium sulfate

15244-38-9 G



$CrO_{12}S_3.H_2O$

Chromium(III) sulfate hydrate.

CCRIS 6186; Chromic sulfate; Chromium sulfate hydrate; Santotan KR. Peach-colored solid, occurring as several hydrated forms. Used in leather tanning. Solid; d = 3.012; MLD (mus iv) ▫ 247 mg/kg.

855 Chromium trioxide

1333-82-0 2256 G

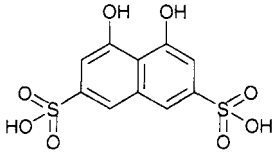
CrO_3

Chromium(VI) trioxide.

Anhydride chromique; Anidride cromica; CCRIS 160; Chrome (trioxyde de); Chromia (CrO_3); Chromic acid, solid; Chromic anhydride; Chromic oxide; Chromic trioxide; Chromic(VI) acid; Chromium anhydride; Chromium oxide; Chromium oxide (Cr_4O_{12}); Chromium oxide (CrO_3); Chromium trioxide; Chromium(6+) oxide; Chromium(6+) trioxide; Chromium(VI) oxide; Chromsaeureanhydrid; Chromtrioxid; Chroomtrioxyde; Chroomzuur-anhydride; Cromo(triossido di); EINECS 215-607-8; HSDB 518; Monochromium trioxide; Puratronic chromium trioxide; Red oxide of chromium; Sintered chromium trioxide; UN1463. Dark red crystals, powerful oxidizing agent; used in chromium plating, copper stripping; aluminum anodizing; photography, corrosion inhibition, hardening microscopical preparations, oxidizing agent in organic chemistry. Red crystals; mp = 197°; d = 2.70; very soluble in H_2O.

856 Chromotrope acid

148-25-4 2261 G



$C_{10}H_8O_8S_2$

4,5-Dihydroxynaphthalene-2,7-disulfonic acid.

AI3-18239; Chromotropic acid; 4,5-Dihydroxy-2,7-naphthalenedisulfonic acid; 4,5-Dihydroxynaphth-alene-2,7-disulphonic acid; EINECS 205-712-7; 2,7-Naphthalenedisulfonic acid, 4,5-dihydroxy-. An acid dye for wool. Needles or leaflets, λ_k = 235, 312, 332, 348 nm (ε = 79433, 6310, 7943, 10000, pH 0.75); soluble in H_2O, alkali, insoluble in EtOH, Et_2O.

857 Chromous chloride

10049-05-5 2264 G

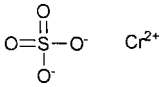
Cl_2Cr

Chromium (II) chloride anhydrous.

Chromium chloride; Chromium chloride ($CrCl_2$); Chromium dichloride; Chromium(II) chloride; Chromous chloride; EINECS 233-163-3; HSDB 988. Reducing agent, catalyst, reagent, chromizing agent. Solid; mp = 824°; d_4^{14} = 2.751; soluble in H_2O; LD_{50} (rat orl) = 1.87 g/kg. *Cerac; Noah Chem.*; 3973Atomergic; Cerac; Chemetals; Chemical; Noah.

858 Chromous sulfate

13825-86-0 2267 G



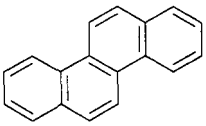
CrO_4S

Chromium(II) sulfate pentahydrate.

Chromium sulfate ($CrSO_4$); Chromous sulfate; Chromous(II) sulfate; Sulfuric acid, chromium(2+) salt (1:1). Oxygen scavenger, reducing agent, analytical reagent. [pentahydrate]; blue crystals; soluble in H_2O, EtOH, insoluble in less polar organic solvents.

859 Chrysene

218-01-9 2276 G



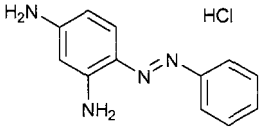
$C_{18}H_{12}$

1,2-Benzphenanthrene.

AI3-00867; 1,2-Benzphenanthrene; Benz(a)phen-anthrene; Benzo(a)phenanthrene; 1,2-Benzophen-anthrene; CCRIS 161; Chrysene; Coal tar pitch volatiles: chrysene; 1,2,5,6-Dibenzonaphthalene; EINECS 205-923-4; HSDB 2810; NSC 6175; RCRA waste number U050. Found in coal tar. Used in chemical synthesis. mp = 258.2°; bp = 448°; d_4^{20} = 1.274; λ_m = 257, 267, 294, 306, 319 nm (ε = 92000, 164000, 11400, 12100, 12200, MeOH); insoluble in H_2O, slightly soluble in EtOH, Et_2CO, Me_2CO, C_6H_6, CS_2, AcOH, soluble in C_7H_8.

860 Chrysoidine

532-82-1 2279 G



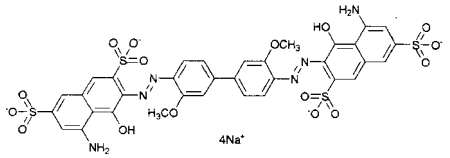
$C_{12}H_{13}ClN_4$

4-(Phenylazo)-1,3-benzenediamine hydrochloride.

Astra Chrysoidine R; Atlantic Chrysoidine Y; Basic Orange 2; Basonyl Orange 200; 1,3-Benzenediamine, 4-(phenylazo)-, monohydrochloride; Brasilazina Orange Y; Brilliant Oil Orange Y Base; C.I. 11270; C.I. Basic Orange 2; C.I. Basic Orange 3; C.I. Basic Orange 2, monohydrochloride; C.I. Solvent Orange 3; Calcozine Chrysoidine Y; Calcozine Orange YS; CCRIS 162; Chrysoidin; Chrysoidin FB; Chrysoidin Y; Chrysoidin YN; Chrysoidine; Chrysoidine (II); Chrysoidine A; Chrysoidine B; Chrysoidine C crystals; Chrysoidine Crystals; Chrysoidine G; Chrysoidine GN; Chrysoidine GS; Chrysoidine HR; Chrysoidine J; Chrysoidine M; Chrysoidine Orange; Chrysoidine PRL; Chrysoidine PRR; Chrysoidine SL; Chrysoidine special (biological stain and indicator); Chrysoidine SS; Chrysoidine Y; Chrysoidine Y Crystals; Chrysoidine Y EX; Chrysoidine Y Special; Chrysoidine YGH; Chrysoidine YL; Chrysoidine YN; Chrysoidine(II); Chryzoidyna F.B.; CI 11270; 2,4-Diaminoazobenzene hydrochloride; Diazocard chrysoidine G; EINECS 208-545-8; Elcozine chrysoidine Y; HSDB 5491; Leather Orange HR; 4-(Phenylazo)-1,3-phenylenediamine, monohydrochloride; 4-(Phenylazo)-m-phenylene-diamine, monohydrochloride; 4-Phenylazophenylene-1,3-diamine monohydrochloride; m-Phenylene-diamine, 4-(phenylazo)-, monohydrochloride; m-Phenylenediamine, 4-(phenylazo)-, hydrochloride; Nippon Kagaku Chrysoidine; NSC 152834; Pure chrysoidine YD; Pure Chrysoidine YBH; Pyracryl Orange Y; Sugai Chrysoidine; Tertrophene Brown CG; Verona Chrysoidine GN; Chrysoldine crystal. A dyestuff. It consists of the hydrochloride of phenylazo-m-phenylenediamine, with some of the homologues from o-and p-toluidine. Dyes wool and silk orange. The citrate is used as an antiseptic. Reddish-brown crystals; mp = 118.5°; soluble in H_2O (5.5%, 15°), very soluble in Me_2CO, insoluble in C_6H_6.

861 CI Direct Blue 15

2429-74-5 H



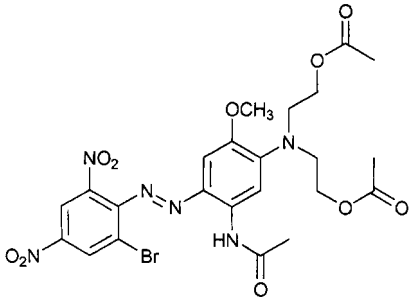
$C_{34}H_{24}N_6Na_4O_{16}S_4$

2,7-Naphthalenedisulfonic acid, 3,3'-((3,3'-dimethoxy-(1,1'-biphenyl)-4,4'-diyl)bis(azo))bis(5-amino-4-hydroxy-, tetrasodium salt.

Airedale Blue D; Aizen Direct Sky Blue 5B; Aizen Direct Sky Blue 5BH; Amanil Sky Blue; Atlantic Sky Blue A; Atul Direct Sky Blue; Azine Sky Blue 5B; Belamine Sky Blue A; Benzanil Sky Blue; Benzo Sky Blue A-CF; Benzo Sky Blue S; Cartalsol Blue 2GF; Cartasol Blue 2GF; CCRIS 2419; Chloramine Sky Blue 4B; Chloramine Sky Blue A; Chrome Leather Pure Blue; CI 24400; CI Direct Blue 15; CI Direct Blue 15, tetrasodium salt; Cresotine Pure Blue; Diacotton Sky Blue 5B; Diamine Blue; Diamine Blue 6B; Diamine Sky Blue; Diamine Sky Blue CI; Diaphtamine Pure Blue; Diazol Pure Blue 4B; Diphenyl Brilliant Blue; Diphenyl Sky Blue 6B; Direct blue 15; Direct Blue 10G; Direct Blue 15; Direct Blue HH; Direct Pure Blue M; Direct Pure Blue; Direct Pure Blue N; Direct Sky Blue 5B; Direct Sky Blue; Direct Sky Blue; Direct Sky Blue A; EINECS 219-385-3; Enianil Pure Blue AN; Fenamin Sky Blue; Hispamin Sky Blue 3B; HSDB 4227; Kayafect Blue Y; Kayaku Direct SKH Blue 5B; Kayaku Direct Sky Blue 5B; Mitsui Direct Sky Blue 5B; Modr Prima 15; Naphtamine Blue 10G; NCI C61290; Niagara Blue 4B; Niagara Sky Blue; Nippon Direct Sky Blue; Nippon Sky Blue; Nitsui Direct Sky Blue 5B; Nitto Direct Sky Blue 5B; NSC 47757; NSC 9616; Oxamine Sky Blue 5B; Paper Blue S; Phenamine Sky Blue A; Pontacyl Sky Blue 4BX; Pontamine Sky Blue 5 BX; Pontamine Sky Blue 5BX; Shikiso Direct Sky Blue 5B; Sky Blue 4B; Sky Blue 5B; Tertrodirect Blue F; Tetrasodium 3,3'-((3,3'-dimethoxy(1,1'-biphenyl)-4,4'-; Vondacel Blue HH.

862 CI Disperse Blue 79:1

3618-72-2 H



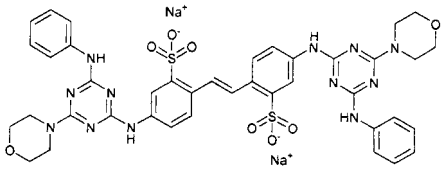
$C_{23}H_{25}BrN_6O_{10}$

3-(2,4-Dinitro-6-bromophenylazo)-4-acetamido-6-(N,N-bis(acetoxyethyl)amino)anisole.

4-(6-Bromo-2,4-dinitrophenylazo)-3-acetylamino-6-methoxy-N-bis(acetoxyethyl)aniline; C.I. Disperse Blue 79:1; 3-(2,4-Dinitro-6-bromophenylazo)-4-acetamido-6-(N,N-bis(acetoxyethyl)amino)anisole; EINECS 222-813-1.

863 CI Fluorescent brightener

16090-02-1 H



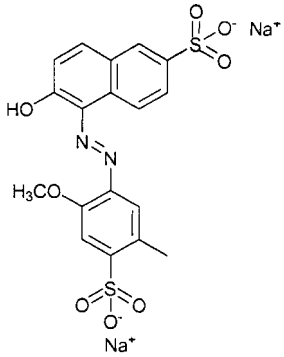
$C_{40}H_{38}N_{12}Na_2O_8S_2$

Disodium 4,4'-bis((4-anilino-6-morpholino-1,3,5-tri-azin-2-yl)amino)stilbene-2,2'-disulphonate.

4,4'-Bis((4-anilino-6-morpholino-s-triazin-2-yl)-amino)-2,2'-stilbenedisulfonate; 4,4'-Bis((4-anilino-6-morpho-lino-1,3,5-triazine-2-yl)amino)stilbene; Belotex KD; Blankophor BBH; Blankophor MBBH; C.I. Fluorescent Brightener 71; C.I. Fluorescent Brightener 244; C.I. Fluorescent Brightener 250; C.I. Fluorescent Brightener 260; Calcofluor White RC; CCRIS 3187; CI Fluorescent Brightener 260; Disodium 4,4'-bis((4-anilino-6-morpholino-1,3,5-triazin-2-yl)amino)stilbene-2,2'-di-sulfonate; EINECS 240-245-2; FBA-260; Heliofor 3BC; Heliofor BDC; Hiltamine Arctic White DML; HSDB 5061; Leukopur PAM; MBBH 766; Mikephor TB; Phorwite MBBH 766; Stralex MD; Tinopal AMS; Tinopal dms-x; Tinopal DMS-X; Tinopal EMS.

864 CI Food Red 17

25956-17-6 281 H



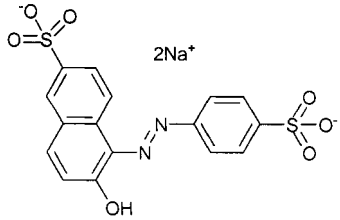
$C_{18}H_{14}N_2Na_2O_8S_2$

Disodium 6-hydroxy-5-((6-methoxy-4-sulfo-m-tolyl)-azo)-2-naphthalenesulfonate.

Allura Red; Allura Red AC Dye; Allura Red AC; CI Food Red 17; CCRIS 3493; CI 16035; Curry red; EINECS 247-368-0; FD&C Red No. 40; Food Red 17; Food Red No. 40; Red No. 40.

865 CI Food Yellow 3

2783-94-0 9091 H



$C_{16}H_{10}N_2Na_2O_7S_2$

Sodium 6-hydroxy-5-((4-sulfophenyl)azo)-2-naphth-alenesulfonate.

1351 Yellow; 1899 Yellow; A.F. Yellow No. 5; Acid Food Yellow 3; Acid Yellow 104 aluminum lake; Acid Yellow TRA; Aizen Food

Yellow No. 5; Alabaster No. 3; Atul Sunset Yellow FCF; Canacert Sunset Yellow FCF; CCRIS 170; Certicol Sunset Yellow CFS; CI 15985; CI Food Yellow 3, disodium salt; Cilefa Orange S; D and C Yellow 6; Dolkwal Sunset Yellow; Dye FDC Yellow No. 6; Dye Sunset Yellow; E 110; E 110 (dye); Edicol Supra Yellow FC; EINECS 220-491-7; Eniacid Sunset Yellow; Eurocert Orange FCF; FD&C Yellow No. 6; Food Yellow 3; Food Yellow 6; Food Yellow No. 5; Gelborange-S; HD Sunset Yellow FCF; HD Sunset Yellow FCF Supra; Hexacol Sunset Yellow FCF; Hexacol Sunset Yellow FCF Supra; HSDB 4136; KCA Foodcol Sunset Yellow FCF; L. Orange Z2010; Maple Sunset Yellow FCF; NCI-C53907; Orange II R; Orange PAL; Orange Yellow S; Orange Yellow S. AF; Orange Yellow S. FQ; Orange Yellow S.fq; Para Orange; Solar radiation color; Standacol Sunset Yellow FCF; Sun Orange A Geigy; SUN Yellow; SUN Yellow A-CE; SUN Yellow A-FDC; SUN Yellow Extra Conc. A Export; SUN Yellow Extra Pure A; SUN Yellow FCF; Sunlight Yellow FCF; Sunset Yellow; Sunset Yellow 6; Sunset Yellow FCF; Sunset Yellow FCF 6; Sunset Yellow FCF Supra; Sunset Yellow FU; Sunset Yellow FU Supra; Sunset Yellow Lake; Twilight Yellow; Usacert FD&C Yellow No. 6; Usacert Yellow No. 6; Yellow No. 6; Yellow Orange S; Yellow Orange S Specially Pure; Yellow Orange Specially Pure 85; Yellow S; Yellow sun; Yellow SY for food; Zlut potravinarska 3.

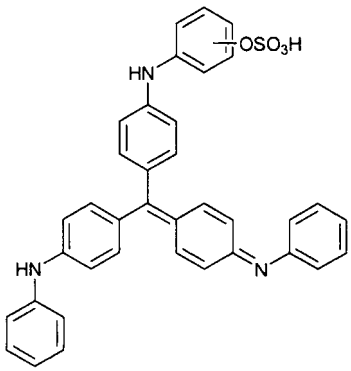
866 CI Leuco Sulphur Black 1

66241-11-0 H

CI Leuco Sulphur Black 1.
CI 53185; CI Leuco Sulphur Black 1; EINECS 266-273-5.

867 CI Pigment Blue 61

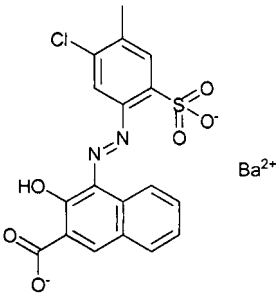
1324-76-1 H



$C_{37}H_{29}N_3O_3S$
((4-((4-(phenylamino)phenyl)(4-(phenylimino)-2,5-cyclohexadien-1-ylidene)methyl)phenyl)amino)-benzenesulfonic acid.
((4-((4-(Anilino)phenyl)(4-(phenylimino)-2,5-cyclohexadien-1-ylidene)methyl)phenyl)amino)-benzenesulphonic acid; Benzenesulfonic acid, ((4-((4-(phenylamino)phenyl)(4-(phenylimino)-2,5-cyclohexa-dien-1-ylidene)methyl)phenyl)amino)-; CI 42765; CI Pigment Blue 61; EINECS 215-385-2; HSDB 5809; Pigment Blue 61; Reflex Blue AGL; Reflex Blue AGM; Reflex Blue R.

868 CI Pigment Red 48, barium salt

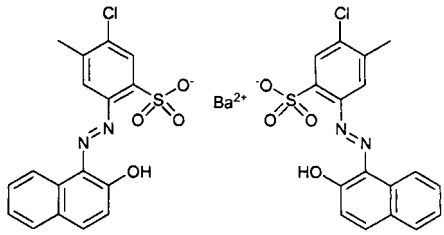
7585-41-3 H



$C_{18}H_{11}BaClN_2O_6S$
Barium 4-((5-chloro-4-methyl-2-sulphonatophenyl)azo) -3-hydroxy-2-naphthoate.
Bon Red Yellow Shade; Bright Red G Toner; C.I. Pigment Red 48:1; EINECS 231-494-8; Eljon Rubine BS; Isol Bona Red NR barium salt; Isol Bona Red N 5R barium salt; Lithol Scarlet K 3700; Permanent Red BB; Permanent Red BBa; Pigment Red 48:1; Resino Red K; Rubine Toner B; Rubine Toner BA; Rubine Toner BT; Sanyo Fast Red 2BE; Sanyo Fast Red 2B; Segnale Red GS; SeikaFast Red 8040; Symuler Red 3023; Symuler Red NRY; Watchung Red Y.

869 CI Pigment Red 53:1

5160-02-1 H

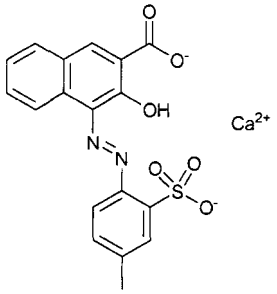


$C_{34}H_{24}BaCl_2N_4O_8S_2$
Barium bis(2-chloro-5-((2-hydroxy-1-naphthyl)azo)-toluene-4-sulphonate).
1860 Red; 5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluenesulfonic acid, barium; Astro Orange; Atomic Red; Barium bis(2-chloro-5-((2-hydroxy-1-naphthyl)-azo)toluene-4-sulphonate); Benzenesulfonic acid, 5-chloro-2-((2-hydroxy-1-naphthalenyl)azo)-4-; Brilliant Red; Bronze Red 16913 Yellowish; Bronze Red RO; Bronze Scarlet CA; Bronze Scarlet CBA; Bronze Scarlet CT; Bronze Scarlet CTA; Bronze Scarlet Toner; 1-(4-Chloro-o-sulfo-5-tolylazo)-2-naphthol, barium salt; 1-(4-Chloro-o-sulpho-5-tolylazo)-2-naphthol, barium salt; Carnation Red; CCRIS 172; CI 15585:1; CI Pigment Red 53:1; CI Pigment Red 53, barium salt (2:1); Cosmetic Coral Red KO Bluish; Cosmetic DVR; Cosmetic Pigment Yellow Red DVR; D&C Red 9; Dainichi Lake Red C; Desert Red; EINECS 225-935-3; Eljon Lake Red C; Hamilton Red; Helio Red Toner LCLL; HSDB 4138; Irgalite Red CBN; Irgalite Red CBR; Irgalite Red CBT; Irgalite Red MBC; Isol Lake Red LCS 12527; Isol Red LCR 2517; Japan Red 204; Japan Red No. 204; Lake Red 1520; Lake Red C 27217; Lake Red C Toner 8366; Lake Red C; Lake Red C 27200; Lake Red C 27218; Lake Red C 18287; Lake Red C 21245; Lake Red C Toner 8195; Lake Red C Barium Toner; Lake Red C RLC-232 (barium); Lake Red CBA; Lake Red CC; Lake Red CCT; Lake Red CR; Lake Red CRLC-232 (barium); Lake Red GB barium salt; Lake Red RRG; Lake Red Toner C; Lake Red Toner LCLL; Lake Red ZHB; Latexol Scarlet R Solupowder; Latexol Scarlet R; Ld Rubber Red 16913; Lutetia Red CLN; Lutetia Red CLN-ST; Microtex Lake Red CR; Mohican Red A-8008; NCI-C53792; Paridine Red LCL; Pigment Lake Red CD; Pigment Lake Red LC; Pigment Lake Red BFC; Pigment Red (53:1) barium salt; Pigment Red 53:1; Pigment Red CD; Potomac Red; Recolite Red Lake CR; Recolite Red Lake C;

Red 16913H; Red 1860; Red For Lake C; Red For Lake C Toner RA-5190; Red For Lake Toner RA-5190; Red Lake C Toner; Red Lake C; Red Lake C Toner RA-5190; Red Lake C Toner 20-5650; Red Lake CM 20-5650; Red Lake CR-1; Red Lake R-91; Red No. 204; Red Scarlet; Red Toner Z; Red ZhB; Rubber Red 16913R; Sanyo Lake Red C; Scarlet Toner Y; Segnale Red LC; Segnale Red LCG; Segnale Red LCL; Sico Lake Red 2L; Sumikaprint Red C-O; Superol Red C RT-265; Symuler Lake Red C; Termosolido Red LCG; Texan Red Toner D; Toner Lake Red C; Transparent Bronze Scarlet; Vulcafix Scarlet R; Vulcafix Scarlet R-D masse; Vulcafor Red 2R; Vulcan Red LC; Vulcol Fast Red L; Wayne Red X-2486.

870 CI Pigment Red 57:1

5281-04-9 H



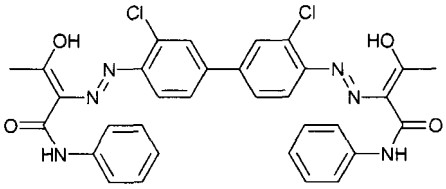
$C_{18}H_{12}CaN_2O_6S$

3-Hydroxy-4-((4-methyl-2-sulfophenyl)azo)-2-naphthalenecarboxylic acid, calcium salt.

C.I. Pigment Red 57:1; C.I. Pigment Red 57, calcium salt (1:1); Calcium 3-hydroxy-4-((4-methyl-2-sulph-onatophenyl)azo)-2-naphthoate; CCRIS 4903; CI 15850:1 (Ca salt); D&C Red No. 7; EINECS 226-109-5; 3-Hydroxy-4-((4-methyl-2-sulfophenyl)azo)-2-naphth-alenecarboxylic acid, calcium salt; 3-Hydroxy-4-((2-sulfo-p-tolyl)azo)-2-naphthalenecarboxylic acid, calcium salt (1:1); Lithol rubin B ca; 2-Naphthalenecarboxylic acid, 3-hydroxy-4-((4-methyl-2-sulfophenyl)azo)-, calcium salt.

871 CI Pigment Yellow 12

6358-85-6 H



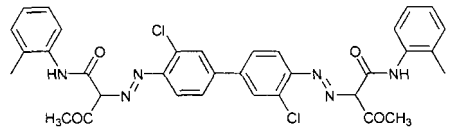
$C_{32}H_{26}Cl_2N_6O_4$

Acetoacetanilide, 2,2'-((3,3'-dichloro-4,4'-biphenylyl-ene)diazo).

Acetoacetanilide, 2,2'-((3,3'-dichloro-4,4'-biphenyl-ene)diazo)bis-; Amazon Yellow X2485; Benzidene Yellow; Benzidene Yellow ABZ-245; Benzidene Yellow WD-266 (Water Dispersible); Benzidene Yellow YB-1; Benzidine Lacquer Yellow G; Benzidine Yellow; Benzidine Yellow 1178; Benzidine Yellow 45-2685; Benzidine Yellow 45-2650; Benzidine Yellow 45-2680; Benzidine Yellow ABZ-245; Benzidine Yellow E; Benzidine Yellow G; Benzidine Yellow GF; Benzidine Yellow GR; Benzidine Yellow GT; Benzidine Yellow GTR; Benzidine Yellow HG; Benzidine Yellow HG PLV; Benzidine Yellow Toner; Benzidine Yellow Toner YT-378; Benzidine Yellow Toner YA-8081; Benzidine Yellow WD-266 (water dispersible); Benzidine Yellow YB-1; Benzidine Yellow YB 5722; Brilliant Yellow Slurry; C.I. Pigment Yellow 12; Carnelio Yellow GX; CCRIS 203; CI 21090; Dainichi Benzidine Yellow GRT; Dainichi Benzidine Yellow G; Dainichi Benzidine Yellow GT; Dainichi Benzidine Yellow GY; Dainichi Benzidine Yellow GYT; Daltolite Fast Yellow GT; Diarylanilide Yellow; Diarylanilide Yellow; Diarylide Yellow AAA; Diarylide Yellow YT 553D; diyl)bis(azo))bis(3-oxo-N-phenyl-; EINECS 228-787-8; Eljon Yellow BG; Graphtol Yellow A-HG; Hancock Yellow 10010; Helic Yellow GW; Helio Yellow GWN; Helioyellow GW; HSDB 2926; Irgalite Yellow BO; Irgalite Yellow BST; Irgalite Yellow BTR; Isol Benzidine Yellow G Special; Isol Benzidine Yellow G 2537; Isol Benzidine Yellow Gapropyl; Isol Benzidine Yellow Gbpropyl; Isol Benzidine Yellow G; Kromon Yellow GXT Conc; Kromon Yellow MTB; Light Yellow JB; Light Yellow JBO; Light Yellow JBT; Lodestone Yellow YB-57; Monolite GT; Monolite Yellow 2GRA; Monolite Yellow GRA; Monolite Yellow GT; Monolite Yellow GTA; Monolite Yellow GTN; Monolite Yellow GTNA; Monolite Yellow GTS; NCI-C03269; No. 49 Conc. Benzidine Yellow; NSC 521237; Permanent Yellow DHG; Permanent Yellow GHG; Pigment Yellow 12; Pigment Yellow 12; Pigment Yellow GT; Rangoon Yellow; Recolite Yellow BG; Recolite Yellow BGT; Sanyo Benzidine Yellow-B; Segnale Light Yellow 2GR; Segnale Light Yellow 2GRT; Segnale Light Yellow 2 GR; Segnale Yellow HG; Seikafast Yellow 2300; Siliton Yellow 3GX; Siliton Yellow GTX; Siloton Yellow 3GX; Siloton Yellow GTX; Sumikarrint Yellow 3A-0; Symuler Fast Yellow 219; Symuler Fast Yellow 224; Symuler Fast Yellow 4078; Symuler Fast Yellow GF; Verona Yellow X-1791; Vulcafor Fast Yellow GTA; Vulcafor Fast Yellow GT; Vulcol Fast Yellow GR; Yellow 205; Yellow No. 205 (Japan); Zlut pigment 12.

872 CI Pigment Yellow 14

5468-75-7 H



$C_{34}H_{30}Cl_2N_6O_4$

2,2'-((3,3'-Dichloro(1,1'-biphenyl)-4,4'-diyl)bis(azo))-bis(N-(2-methylphenyl)-3-oxobutyramide).

Aaot Yellow; Atul Vulcan Fast Pigment Oil Yellow T; Benzidene Yellow ABZ-249; Benzidene Yellow G; Benzidine Yellow (Grease proof); Benzidine Yellow AAOT; Benzidine Yellow ABZ 249; Benzidine Yellow G; Benzidine Yellow GGT; Benzidine Yellow L; Benzidine Yellow OT; Benzidine Yellow OT (6Cl); Benzidine Yellow OTYA 8055; C.I. 21095; C.I. Pigment Yellow 14; C.I. Pigment Yellow 14; Calcotone Yellow GP; Diarylide Yellow AAOT; EINECS 226-789-3; Graphtol Yellow GXS; Hostaperm Yellow GT; Hostaperm Yellow GTT; Irgalite Yellow BR; Irgalite Yellow BRE; Isol Benzidine Yellow GO; Lake Yellow GA; Light Yellow JBV; Light Yellow JBVT; Lionol Yellow GGR; No. 55 Conc. Pale Yellow SF; No.55 Conc. Pale Yellow SF; NSC 15087; Permagen Yellow; Permagen Yellow GA; Permanent Yellow G; Permanent Yellow Light; Pigment Fast Yellow 2GP; Pigment Fast Yellow GP; Pigment Yellow 14; Pigment Yellow 2G; Pigment Yellow GGP; Pigment Yellow GPP; Plastol Yellow GG; Plastol Yellow GP; Radiant Yellow; Recolite Fast Yellow B 2T; Resamine Fast Yellow GGP; Resamine Yellow GP; Resorcin Brown R; Rubber Fast Yellow GA; Sacandaga Yellow X 2476; Sanyo Benzidine Yellow; Segnale Yellow 2GR; Seikafast Yellow 2200; Silogomma Fast Yellow 2G; Silotermo Yellow G; Sumatra Yellow X 1940; Sumikaprint Yellow GFN; Symuler Fast Yellow 4090G; Symuler Fast Yellow 5GF; Tertropigment Fast Yellow VG; Tertropigment Yellow BG; Tetropigment Fast Yellow VG; Tetropigment Fast Yellow BG; Versal Fast Yellow PG; Vulcafor Fast Yellow 2G; Vulcan Fast Yellow G; Vynamon Yellow 2G; Vynamon Yellow 2GE.

873 CI Solvent Black 7

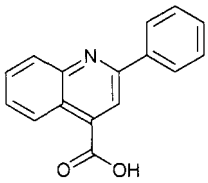
8005-02-5 H

CI Solvent Black 7.

CCRIS 4718; CI Solvent Black 7.

874 Cinchophen

132-60-5 2309 D G



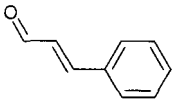
$C_{16}H_{11}NO_2$

2-Phenylquinoline-4-carboxylic acid.

5-22-03-00484 (Beilstein Handbook Reference); Acifenokinolin; Aciphenochinoline; Aciphenochin-olinium; Aciphenochinolinum; Agotan; AI3-15400; Alutyl; Alutyo; Aminophan; Artam; Artamin; Artexin; Atigoa; Atocin; Atofan; Atophan; BRN 0192803; Cinchoninic acid, 2-phenyl-; Cinchopen; Cinchophen; Cinchophene; Cinchophenic acid; Cinchophenum; Cincofene; Cincofeno; Cinconal; Cincophen; Cincosal; EINECS 205-067-1; HSDB 2085; Ikterosan; Mylofanol; NSC 2617; Phenophan; Phenoquin; Polyphlogin; Quinofen; Quinophan; Quinophen; Rhematan; Rheumatan; Rheumin; Tervalon; Tophol; Tophosan; Traubofan; Vantyl; Viophan. Quinoline derivative formerly used in treatment of chronic gout. Used experimentally to induce ulcers. Formerly used as an analgesic. Crystals; mp = 213-216°; nearly insoluble in H_2O; more soluble in $CHCl_3$ (0.25 g/100 ml), Et_2O (1 g/100 ml), alcohol (0.83 g/100 ml). *Parke-Davis-*

875 Cinnamal

104-55-2 2319 G H



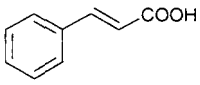
C_9H_8O

3-Phenyl-2-propenal.

2-07-00-00273 (Beilstein Handbook Reference); Abion CA; Acrolein, 3-phenyl-; AI3-00473; Aldehyd skoricovy; Benzylideneacetaldehyde; BRN 0605737; Cassia aldehyde; Caswell No. 221A; CCRIS 6222; Cinnamal; Cinnamaldehyde; Cinnamic aldehyde; Cinnamyl aldehyde; EINECS 203-213-9; EPA Pesticide Chemical Code 040506; FEMA No. 2286; FEMA Number 2286; Hefty Dog and Cat Repellent; HSDB 209; NCI-C56111; NSC 16935; Phenyl-2-propenal; Phenylacrolein; β-Phenylcrolein; Zimtaldehyde. Insecticide. Registered by EPA as an insecticide and rodenticide. Also used in flavors and perfumery. Oily liquid; mp = -7°; bp = 246°, bp_{400} = 222°, bp_{200} = 199°, bp_{100} = 178°, bp_{60} = 164°, bp_{40} = 152°, bp_{20} = 136°, bp_{10} = 120°, bp_5 = 106°, bp_1 = 76°; d = 1.048 - 1.052; soluble in 60% EtOH (14.3 g/100 ml), Et_2O, $CHCl_3$, fixed oils, slightly soluble in H_2O (0.14 g/100 ml). LD_{50} (rat orl) = 2220 mg/kg. Allergenic. *Florida Treatt; Penta Mfg.; Quest Intl.*

876 Cinnamic acid

621-82-9 2321 G



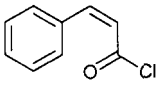
$C_9H_8O_2$

3-Phenyl-2-propenoic acid.

AI3-00891; Benzenepropenoic acid; Benzylidene-acetic acid; BRN 0507757; Cinnamic acid; Cinnamylic acid; EINECS 210-708-3; FEMA No. 2288; Kyselina skoricove; NSC 9189; Phenylacrylic acid; 3-Phenylacrylic acid; 3-Phenylpropenoic acid; 3-Phenyl-2-propenoic acid; 2-Propenoic acid, 3-phenyl-; Zimtsaeure; Zimtsäure. A chemical intermediate used in perfumes and as an anthelmintic. Monoclinic crystals; mp = 133°; bp ■ 300°; λ_m = 273 nm (EtOH); soluble in H_2O (0.5 g/l), more soluble in organic solvents. *Aceto Corp.; Degussa-Hüls Corp.; Penta Mfg.; Raschig GmbH.*

877 Cinnamoyl chloride

102-92-1 2323 G



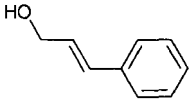
C_9H_7ClO

3-Phenyl-2-propenoyl chloride.

Cinnamic acid chloride; Cinnamic chloride; Cinnamoyl chloride; EINECS 203-065-5; NSC 4683; β-Phenylacryloyl chloride; 3-Phenyl-2-propenoyl chloride; 2-Propenoyl chloride, 3-phenyl-. Reagent for determination of small amounts of water, chemical intermediate. Yellow crystals; mp = 36°; bp = 257°, bp_2 = 101°; d^{45} = 1.1617; very soluble in ligroin. *ICI Spec.; Janssen Chimica; Lancaster Synthesis Co.; Penta Mfg.; Pfalz & Bauer.*

878 Cinnamyl alcohol

104-54-1 2325 G



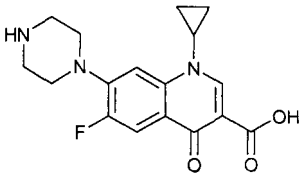
$C_9H_{10}O$

3-phenyl-2-propen-1-ol.

1-06-00-00281 (Beilstein Handbook Reference); AI3-00949; Alkohol skoricovy; BRN 1903999; CCRIS 3191; Cinnamic alcohol; Cinnamyl alcohol; EINECS 203-212-3; FEMA No. 2294; 3-Fenyl-2-propen-1-ol; HSDB 5011; NSC 8775; Peruvin; 3-Phenylallyl alcohol; σ-Phenylallyl alcohol; Phenyl-2-propen-1-ol; 1-Phenylprop-1-en-3-ol; 3-Phenyl-2-propen-1-ol; 3-Phenyl-2-propenol; 2-Propen-1-ol, 3-phenyl-; 2-Propen-y1-ol, 3-phenyl-; Propenoic acid, 3-phenyl-, (trans)-; Styrone; Styryl alcohol; Styryl carbinol; Zimtalcohol. Used in perfumery and in deodorants. Crystals; mp = 33-35°; bp ■ 249-250°; d^{35}_{35} = 1.0397; soluble in H_2O, organic solvents.

879 Ciprofloxacin

85721-33-1 2337 D



$C_{17}H_{18}FN_3O_3$

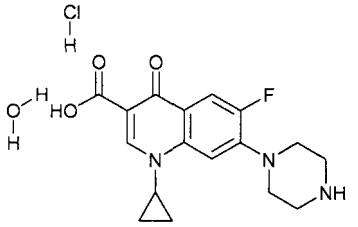
1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid.

Alcon Cilox; Bacquinor; Baflox; BAY q 3939; Bernoflox; Bi-Cipro; BRN 3568352; CCRIS 5241; Cifloxin; Cilab; Ciplus; Ciprecu; Cipro; Cipro IV; Cipro XR; Ciprobay; Ciprobay Uro; Ciprocinol; Ciprodar; Ciproflox; Ciprofloxacin; Ciprofloxacina; Ciproflox-acine; Ciprofloxacino; Ciprofloxacinum; Ciprogis; Ciprolin; Ciprolon; Cipromycin; Ciproquinol; Ciprowin; Ciproxan; Ciproxina; Ciproxine; Ciriax; Citopcin; Cixan; Corsacin; Cycin; Eni; Fimoflox; HSDB 6987;

Ipiflox; Italnik; Loxan; Probiox; Proflaxin; Proflox; Proksi 250; Proksi 500; Quinolid; Quintor; Rancif; Roxytal; Septicide; Sophixin Ofteno; Spitacin; Superocin; Unex; Zumaflox. Quinolone antibiotic. Solid; Dec 255-257°. *Bayer Corp. Pharm. Div.*

880 Ciprofloxacin monohydrochloride monohydrate

86393-32-0 2337 D



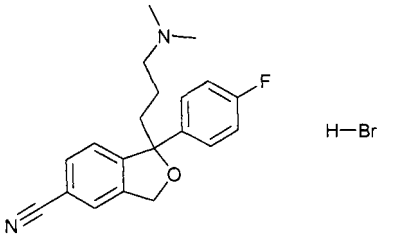
$C_{17}H_{19}ClFN_3O_3.H_2O$

1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid monohydro-chloride monohydrate.

Bay o 9867 monohydrate; Baycip; Belmacina; Catex; Cenin; Ceprimax; Ciflan; Ciflosin; Ciflox; Cilox; Ciloxan; Cipad; Ciprinol; Cipro; Cipro HC Otic Suspension; Ciprobay; Ciprocinal; Ciprofloxacin hydrochloride; Ciprofloxacin hydrochloride monohydrate; Ciprofur; Ciproktan; Cipronex; Ciproplol; Ciproxan; Ciproxin; Citeral; Cunesin; Disfabac; DRG-0110; Felixene; Flociprin; Floxacipron; Flunas; Globuce; Inkamil; Keefloxin; Loxacid; Lypro; Megaflox; Microgan; Nixin; Novidat; Novoquin; Ofitin; Oftacilox; Ophaflox; Phaproxin; Piprol; Plenolyt; Proxacin; Quinoflox; Quipro; Renator; Roflazin; Sepcen; Septicide; Siprogut; Sophixin; Strox; Suiflox; Supraflox; Velmonit. Quinolone antibiotic. Crystals; mp = 318-320°. *Alcon Labs; Bayer Corp. Pharm. Div.*

881 Citalopram Hydrobromide

59729-32-7 2342 D



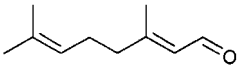
$C_{20}H_{22}BrFN_2O$

1-[3-(Dimethylamino)propyl]-1-(p-fluorophenyl)-5-phthalancarbonitrile hydrobromide.

Celexa; Cipramil; Citalopram hydrobromide; EINECS 261-890-6; HSDB 7042; Lu 10-171-B. A serotonin uptake inhibitor. Antidepressant. Crystals; mp = 182-183°. *Kefalas A/S.*

882 Citral

5392-40-5 2346 G H



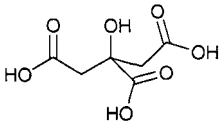
$C_{10}H_{16}O$

3,7-Dimethyl-trans-2,6-octadienal.

3-01-00-03053 (Beilstein Handbook Reference); AI3-01011; BRN 1721871; Caswell No. 221B; CCRIS 1043; Citral; 2,6-Dimethyloctadien-2,6-al-8; 3,7-Dimethyl-2,6-octadienal; 3,7-Dimethyl-trans-2,6-octadienal; EINECS 226-394-6; EPA Pesticide Chemical Code 040510; FEMA Number 2303; HSDB 993; Lemsyn GB; NCI-C56348; NSC 6170; 2,6-Octadienal, 3,7-dimethyl-. Mixture of two geometrical isomers, geranial and neral. Perfumes, flavoring agents, intermediate for other fragrances, vitamin A synthesis. Fragrance and flavoring; fresh, lemon-like, green, slightly lime-like. Natural citral is a mixture of the cis-isomer (neral) and the trans-isomer (geranial). Oil; $bp_{2.6}$ = 91-93°; d_4^{20} = 0.8869-0.8888; insoluble in H_2O, soluble in organic solvents. *BASF Corp.; Lancaster Synthesis Co.; Lucta SA; Penta Mfg.; SCM Glidco Organics.*

883 Citric acid

77-92-9 2350 G H P



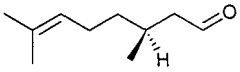
$C_6H_8O_7$

2-Hydroxy-1,2,3-propanetricarboxylic acid.

4-03-00-01272 (Beilstein Handbook Reference); Aciletten; AI3-06286; Anhydrous citric acid; BRN 0782061; Caswell No. 221C; CCRIS 3292; Chemfill; Citralite; Citretten; Citric acid; Citric acid, anhydrous; Citro; Descote® Citric Acid; EINECS 201-069-1; EPA Pesticide Chemical Code 021801; F 0001 (polycarboxylic acid); FEMA Number 2306; HSDB 911; Hydrocerol A; Hydroxytricarballylic acid; 'β-Hydroxytricarballylic acid; K-Lyte; K-Lyte/Cl; K-Lyte DS; Kyselina 2-hydroxy-1,2,3-propantrikarbonova; Kyselina citronova; NSC 30279; Preparation of citrates, flavoring extracts, confections, soft drinks; antioxidant in foods; sequestering agent; detergent builder; metal cleaner. Registered by EPA as an antimicrobial and fungicide. FDA GRAS, approved for injectables, buccals, inhalants, nasals, ophthalmics, topicals, orals, otics. Acidifier, buffering agent, pH adjuster, flavorant; anticoagulant. Solid; mp = 153°; d = 1.665; pK_1 = 3.128, pK_2 = 4.761, pK_3 = 6.396; soluble in H_2O (59.2% w/w 20°), moderately soluble in organic solvents. LD_{50} (rat orl) = 6730 mg/kg, LD_{50} (rat ip) = 975 mg/kg. *ADM; Albright & Wilson Americas Inc.; Am. Roland; Ashland; Browning; Cargill; Ellis & Everard; Frutarom; Greeff R.W. & Co.; Haarmann & Reimer GmbH; Hoffmann-LaRoche Inc.; Integra; Jungbunzlauer; Norman-Fox; Penta Mfg.; Pfizer Food Science; PMC; Ruger; Schweizerhall Inc.; SCI Natural Ingredients; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; U.S. Petrochem. Ind.*

884 Citronellal

106-23-0 2353 G



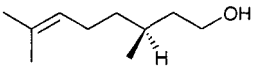
$C_{10}H_{18}O$

3,7-dimethyl-6-octenal.

AI3-00203; Citronella; Citronellal; Citronellel; 2,3-Dihydrocitral; 3,7-Dimethyl-6-octenal; 3,7-Dimethyl-6-octen-1-al; D-Rhodinal; EINECS 203-376-6; FEMA No. 2307; HSDB 594; NSC 46106; 6-Octenal, 3,7-dimethyl-; Rhodinal. Used in soap perfumery, manufacture of hydroxycitronellal, an insect repellant. Oil; bp_1 = 47°; d = 0.848-0.856; $[\alpha]_D^{25}$ = 11.50°. *Lancaster Synthesis Co.; Penta Mfg.; PMC.*

885 Citronellol

106-22-9 2354 G H



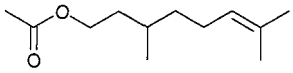
$C_{10}H_{20}O$

3,7-Dimethyl-6-octen-1-ol.

4-01-00-02188 (Beilstein Handbook Reference); AI3-25080; BRN 1721507; CCRIS 7452; Cephrol; Citronellol; 2,6-Dimethyl-2-octen-8-ol; 3,7-Dimethyl-6-octen-1-ol; EINECS 203-375-0; Elenol; FEMA No. 2309; NSC 8779; 6-Octen-1-ol, 3,7-dimethyl-; Rhodinol; Rodinol. Used in perfumery as a source of floral odors. bp = 221-222°; d = 0.858; n_D^{20}= 1.4560; $[\alpha]_D^{20}$= 5.22°; slightly soluble in H_2O, soluble in organic solvents. *Bush Boake Allen; IFF; Penta Mfg.; SCM Glidco Organics.*

886 Citronellyl acetate

150-84-5 G



$C_{12}H_{22}O_2$

3,7-Dimethyl-6-octen-1-yl acetate.

1-02-00-00065 (Beilstein Handbook Reference); Acetic acid, 3,7-dimethyl-6-octen-1-yl ester; Acetic acid, citronellyl ester; 1-Acetoxy-3,7-dimethyloct-6-ene; AI3-02039; BRN 1723886; Cephreine; Citronellol acetate; Citronellyl ethanoate; 3,7-Dimethyl-6-octen-1-ol acetate; 3,7-Dimethyl-6-octen-1-yl ethanoate; (1)-3,7-Dimethyloct-6-enyl acetate; EINECS 205-775-0; EINECS 266-837-0; FEMA No. 2311; FEMA No. 2981; Natural rhodinol, acetylated; NSC 4893; 2-Octen-8-ol, 2,6-dimethyl-, acetate; 6-Octen-1-ol, 3,7-dimethyl-, acetate; Rhodinyl acetate. Used in perfumery. Oil; bp = 229°; d = 0.8900; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 6800 mg/kg. *Bush Boake Allen.*

887 Citrus oil, limonene fraction

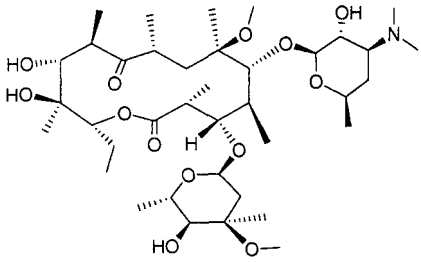
65996-98-7 H

Citrus oil, limonene fraction.

Citrus stripper oil; EINECS 266-034-5; Sulfate turpentine, distilled; Terpenes and Terpenoids, limonene fraction.

888 Clarithromycin

81103-11-9 2362 D



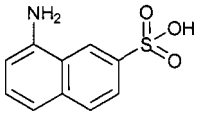
$C_{38}H_{69}NO_{13}$

6-O-Methylerythromycin.

A-56268; Abbotic; Abbott-56268; Adel; Astromen; Biaxin; Biaxin HP; Bicrolid; Clacine; Clambiotic; Claribid; Claricide; Clarith; Clarithromycin; Clarithromycine; Clarithromycinum; Claritromicina; Clathromycin; Cyllid; DRG-0099; Helas; Heliclar; Klacid; Klaciped; Klaricid; Klaricid H.P.; Klaricid Pediatric; Klarid; Klarin; Klax; Kofron; Mabicrol; Macladin; Maclar; Mavid; Naxy; TE-031; Veclam; Zeclar. Macrolide antibiotic. White powder; mp = 217-220° (dec), 222-225°; λ_m ■ 288 *nm* ($CHCl_3$); $[\alpha]_D^{24}$= -90.4° (c = 1 $CHCl_3$); LD_{50} (mmus orl) = 2740 mg/kg, (mmus ip) ■ 1030, (mmus sc) > 5000 mg/kg, (fmus orl) = 2700 mg/kg, (fmus ip) = 850 mg/kg, (fmus sc) > 5000 mg/kg, (mrat orl) = 3470 mg/kg, (mrat ip) = 669 mg/kg, (mrat sc) > 5000 mg/kg, (frat orl) = 2700 mg/kg, (frat ip) = 753 mg/kg, (frat sc) > 5000 mg/kg. *Abbott Labs Inc.*

889 Cleve's acid

119-28-8 2373 G



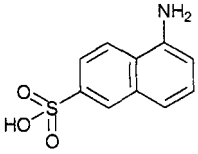
$C_{10}H_9NO_3S$

8-Amino-2-naphthalenesulfonic acid.

1-Aminonaphthalene-7-sulfonic acid; 8-Amino-naphthalene-2-sulfonic acid; 8-Aminonaphthalene-2-sulphonic acid; 1-Amino-7-sulfonaphthalene; Cassella's acid; C.I. 26135; Cleve's acid; 1,7-Cleve's acid; Cleve's theta-acid; Delta acid; EINECS 204-311-4; F acid; J acid; 2-Naphthalenesulfonic acid, 8-amino-; 1-Naphthylamine-7-sulfonic acid; 8-Naphthylamine-2-sulfonic acid; NSC 4983. Used as an intermediate for azo dyes. Crystallizes as the monohydrate, soluble in H_2O (0.45 g/100 ml).

890 Cleve's β acid

119-79-9 2372 G



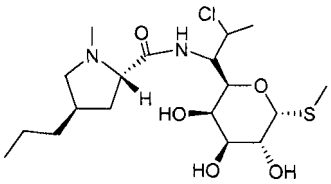
$C_{10}H_9NO_3S$

α-naphthylamine-6-sulfonic acid.

4-14-00-02804 (Beilstein Handbook Reference); 5-Amino-2-naphthalenesulfonic acid; 5-Amino-naphthalene-2-sulphonic acid; 1-Amino-6-sulfo-naphthalene; 1-Amino-6-naphthalenesulfonic acid; BRN 1819887; 1,6-Cleve's acid; Cleve's β-acid; Cleve's acid-1,6; Cleve's acid, mixed; EINECS 204-351-2; Kyselina 1-naftylamin-6-sulfonova; Kyselina cleve; 2-Naphthalenesulfonic acid, 5-amino-; 1-Naphthylamine-6-sulfonic acid; 5-Naphthylamine-2-sulfonic acid; NSC 31506. Intermediate in synthesis of dyestuffs. Solid; slightly soluble in 1000 parts H_2O (0.1 g/100 ml), insoluble in EtOH, Et_2O.

891 Clindamycin

18323-44-9 2377 D



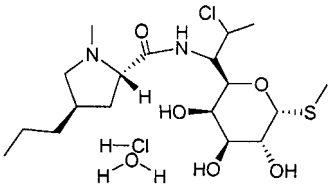
$C_{18}H_{33}ClN_2O_5S$

Methyl 7-chloro-6,7,8-trideoxy-6-(1-methyl-trans-4-propyl-L-2-pyrrolidinecarboxamido)-1-thio-L-threo-α-D-galactooctopyranoside.

Antirobe; 7-CDL; Chlolincocin; Cleocin; Clindamicina; Clindamycin; Clindamycine; Clindamycinum; Clinimycin; Dalacin C; Dalacine; DRG-0011; EINECS 242-209-1; HSDB 3037; Klimicin; Sobelin; U-21251. Antibacterial. Yellow solid; $[\alpha]_D$ = 214° ($CHCl_3$). *Pharmacia & Upjohn.*

892 Clindamycin hydrochloride mono-hydrate

58207-19-5 2377 D



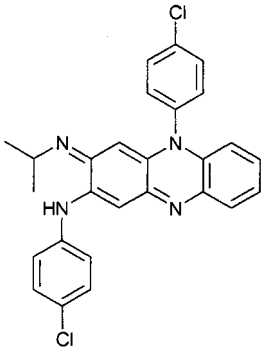
$C_{18}H_{33}ClN_2O_5S.H_2O$

Methyl 7-chloro-6,7,8-trideoxy-6-(1-methyl-trans-4-propyl-L-2-pyrrolidinecarboxamido)-1-thio-L-threo-α-D-galactooctopyranoside hydrochloride monohydrate.

7-CDL; Chlolincocin; 7-Chloro-7-deoxylincomycin; 7(S)-Chloro-7-deoxylincomycin; 7-Chlorolincomycin; 7-Deoxy-7(S)-chlorolincomycin; Cleocin; Clinda-micina; Clindamycin; Clindamycine; Clindamycinum; Clinimycin; Dalacin C; DRG-0011; EINECS 242-209-1; HSDB 3037; Sobelin; U-21,251; U-21251;. Antibacterial. White powder; mp = 141-143°; $[\alpha]_D$ = 144° (H_2O); pKa = 7.6; soluble in H_2O, C_5H_5N, EtOH, DMF; LD_{50} (mus iv) = 245 mg/kg, (mus ip) = 361 mg/kg, (mus orl) = 2618 mg/kg. *Pharmacia & Upjohn.*

893 Clofazimine

2030-63-9 2396 D G



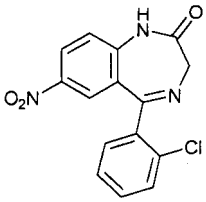
$C_{27}H_{22}Cl_2N_4$

3-(p-Chloroanilino)-10-(p-chlorophenyl)-2,10-dihydro-2-(isopropylimino)phenazine.

4-25-00-03033 (Beilstein Handbook Reference); B-663; BRN 0060420; Chlofazimine; Clofazimina; Clofazimine; Clofaziminum; DRG-0067; EINECS 217-980-2; G-30320; Lampren; Lamprene; NSC-141046. Antibacterial (tuberculostatic). Also leprostatic. Crystals; mp = 210-212°; λ_m 284, 486 nm (abs. 1.30, 0.64, 0.01M HCl/MeOH); soluble in AcOH, DMF, $CHCl_3$ (6.6 g/100 ml), EtOH (0.14 g/100 ml), Et_2O (0.1 g/100 ml); insoluble in H_2O; LD_{50} (mus, rat, gpg orl) > 4000 mg/kg. *Ciba-Geigy Corp.*

894 Clonazepam

1622-61-3 2413 D



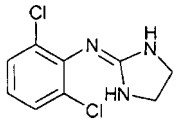
$C_{15}H_{10}ClN_3O_3$

5-(o-Chlorophenyl)-1,3-dihydro-7-nitro-2H-1,4-benzo-diazepin-2-one.

5-24-04-00351 (Beilstein Handbook Reference); Alti-Clonazepam; Antelepsin; BRN 0759557; Chlon-azepam; Cloazepam; Clonazepam; Clonazepamum; Clonex; Clonopin; DEA No. 2737; EINECS 216-596-2; HSDB 3265; Iktorivil; Kenoket; Klonopin; Landsen; Lonazep; NSC 179913; Paxam; Ravotril; Rivatril; Rivoril; Rivotril; Ro 4-8180; Ro-5-4023; Ro 5-4023/B-7; Solfidin. Antiepileptic agent with anxiolytic and antimanic properties. Used as an an anticonvulsant. Crystals; mp = 236.5-238.5°; λ_m = 248, 310 nm (ε 14500 11600 MeOH/iPrOH); soluble in Me_2CO (3.1 g/100 ml), $CHCl_3$ (1.5 g/100 ml), MeOH (0.86 g/100 ml), Et_2O (0.07 g/100 ml), C_6H_6 (0.05 g/100 ml), H_2O (< 0.01 g/100 ml); LD_{50} (mus orl) > 4000 mg/kg. *Hoffmann-LaRoche Inc.*

895 Clonidine

4205-90-7 2414 D



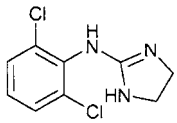
$C_9H_9Cl_2N_3$

2-[(2,6-Dichlorophenyl)imino]imidazolidine.

734571A; Adesipress; Catapres-TTS; Catarpres; Catarpresan; CCRIS 7787; Chlornidinum; Clonidin; Clonidina; Clonidine; Clonidinum; Duraclon; EINECS 224-119-4; HSDB 3040; M-5041T; ST-155-BS. An α_2-adrenergic agonist used as an antihypertensive and antidyskinetic. Crystals; mp = 130°. *Boehringer Ingelheim GmbH.*

896 Clonidine hydrochloride

4205-91-8 2414 D



H—Cl

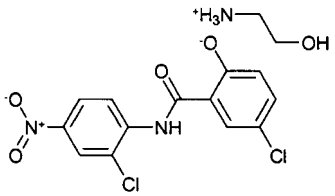
$C_9H_{10}Cl_3N_3$

2-[(2,6-Dichlorophenyl)imino]imidazolidine hydro-chloride.

Apo-Clonidine; Atensina; Barclyd; Capresin; Caprysin; Catanidin; Catapres; Catapresan; Chlophazolin; Clofelin; Clonid-Ophal; Clonidil-Riker; Clonidine hydrochloride; Clonidine monohydrochloride; Clonilou; Clonisin; Clonistada; Combipres; DCAI; Dispaclonidin; Dixarit; Duraclon; Edolglau; EINECS 224-121-5; Glausine; Haemiton; Hemiton; Iporel; Isaglaucon; Isoglaucon; Katapresan; Klophelin; Normopresan; Novo-Clonidine; Nu-Clonidine; ST-155.; component of: Combipres. An α_2-adrenergic agonist used as an antihypertensive and antidyskinetic. Crystals; mp = 305°; soluble in H_2O (7.7 g/100 ml at 20°, 16.6 g/100 ml at 60°), MeOH (17.25 g/100 ml), EtOH (4 g/100 ml), $CHCl_3$ (0.02 g/100 ml); λ_m = 213, 271, 302 nm (ε 8290, 713, 340 H_2O); LD_{50} (mus orl) = 328 mg/kg, (mus iv) = 18 mg/kg, (rat orl) = 270 mg/kg, (rat iv) = 29 mg/kg. *Boehringer Ingelheim GmbH; Parke-Davis.*

897 Clonitralide

1420-04-8 6543 G P



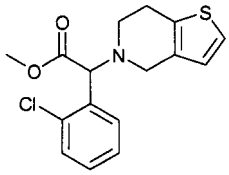
$C_{13}H_8Cl_2N_2O_4$

2',5-Dichloro-4'-nitrosalicylanilide compound with 2-aminoethanol (1:1).

2-Aminoethanol salt of 2',5-dichloro-4'-nitro-salicyanalide; Bay 73; BAY 6076; Bayer 25648; Bayer 73; Baylucit; Bayluscid; Bayluscide; Benzamide, 5-chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxy-, compd with 2-aminoethanol (1:1); Caswell No. 314; CCRIS 178; 5-Chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxy-benzamide 2-aminoethanol salt; Clonitralid; Clonitralide; 2',5-Dichloro-4'-nitrosalicylanilide; 2',5-Dichloro-4'-nitrosalicylanilide, 2-aminoethanol salt; 2',5-Dichloro-4'-nitrosalicyloylanilide ethanolamine salt; EINECS 215-811-7; EPA Pesticide Chemical Code 077401; Ethanolamine salt of 5,2'-dichloro-4'-nitrosalicyclicanilide; HL 2448; HSDB 4045; M 73; Molluscicide Bayer 73; Mollutox; NCI-C00431; Niclosamide; Niclosamide-(2-hydroxyethyl)ammon-ium; Niclosamide ethanolamine salt; Phenasal ethanolamine salt; Phenasal ethanolamine salt; Salicylanilide, 2',5-dichloro-4-nitro-, ethanolamine salt; Salicylanilide, 2',5-dichloro-4'-nitro-, compd with 2-aminoethanol; SR 73; Yomesan. A molluscicide. Registered by EPA as an insecticide. Yellow crystals; mp = 225 - 230°; sparingly soluble in H_2O (0.023 g/100 ml), sparingly soluble in EtOH, $CHCl_3$, Et_2O; LD_{50} (mrat orl) > 3710 mg/kg, (frat orl) = 3710 mg/kg, (rat der) > 1000 mg/kg; LC_{50} (rainbow trout 48 hr.) = 0.05 mg/l, (carp 48 hr.) = 0.235 mg/l, toxic to frogs, salamanders, plankton. *Bayer AG; U.S. Fish and Wildlife Services.*

898 Clopidogrel

113665-84-2 2421 D



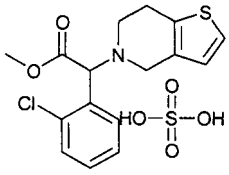
$C_{16}H_{16}ClN_2OS$

Methyl (+)-(S)-α-(o-chlorophenyl)-6,7-dihydrothieno-[3,2-c]pyridine-5(4H)-acetate.

SR-25990. Platelet inihibtor; antithrombotic. Crystals; $[\alpha]_D^{20}$= 51.52° (c ■ 1.61 MeOH). *Sanofi Winthrop.*

899 Clopidogrel hydrogen sulfate

135046-48-9 2421 D



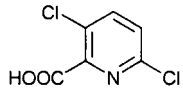
$C_{16}H_{18}ClN_2O_5S_2$

Methyl (+)-(S)-α-(o-chlorophenyl)-6,7-dihydrothieno-[3,2-c]pyridine-5(4H)-acetate sulfate (1:1).

SR-25990C; Plavix. Platelet inihibtor; antithrombotic. Crystals; mp = 184°; $[\alpha]_D^{20}$= 55.10° (c ■ 1.891 MeOH). *Sanofi Winthrop.*

900 Clopyralid

1702-17-6 2426 G P



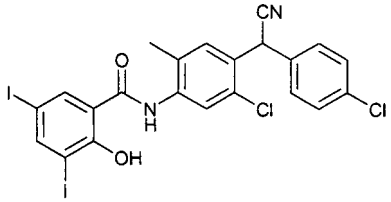
$C_6H_3Cl_2NO_2$

3,6-Dichloropyridine-2-carboxylic acid.

5-22-02-00046 (Beilstein Handbook Reference); Acide 3,6-dichloropicolinique; Acide dichloro-3,6 picolinique; Benzalox; BRN 0473755; Campaign; Caswell No. 323H; Cirtoxin; Cliophar; Clopyralid; Clopyralide; Crusader S; Cyronal; 3,6-Dichloro-picolinic acid; 3,6-Dichloro-2-pyridinecarboxylic acid; 3,6-Dichloropyridine-2-carboxylic acid; Dowco 290; EINECS 216-935-4; EPA Pesticide Chemical Code 117401; Format; HSDB 6593; Huiloralid; IWD 3523; Kyselina 3,6-dichlorpikolinova; Loncid; Lontrel; Lontrel 3; Lontrel 100; Lontrel 300; Lontrel L; Lontrel SF 100; Matrigon; Picolinic acid, 3,6-dichloro-; 2-Pyridinecarboxylic acid, 3,6-dichloro-; Reclaim; Shield; Stinger; Transline; Versatill; XRM 3972. Used for post-emergence control of broad-leaf weeds of *Polygonaceae, Compositae, Leguminosae and Umbelliferae.* Provides good control of creeping thistle, sow thistle, coltsfoot, mayweeds and *Polygonum* spp. mp = 151-152°; soluble in H_2O (9 g/l), soluble in organic solvents; LD_{50} (rat orl) >4300 mg/kg. *DowElanco Ltd.*

901 Closantel

57808-65-8 2437 G V



$C_{22}H_{14}Cl_2I_2N_2O_2$

N-[5-Chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodobenzamide.

Benzamide, N-(5-chloro-4-((4-chlorophenyl)cyano-methyl)-2-methylphenyl)-2-hydroxy-3,5-diiodo-; 5'-Chloro-α^4-(p-chlorophenyl)-α^4-cyano-3,5-diiodo-2',4'-salicyloxylidide; N-(5-Chloro-4-((4-chlorophenyl)-cyanomethyl)-2-methylphenyl)-2-hydroxy-3,5-diiodo-benzamide; Closantel; Closantelum; EINECS 260-967-1; Flukiver; R-31520; Seponver. A proprietary preparation containing closantel; a veterinary anthelmintic (flukicide). Crystals; mp = 217.8°. *Janssen Chimica.*

902 Coal Tar

8007-45-2 P

Coal tar extract.

Alphosyl; Carbo-cort; Caswell No. 223; Coal tar; Coal tar extract; Coal tar ointment; Coal tar pitch volatiles; Coal tar solution USP; Coal tar [Soots, tars, and mineral oils]; Coal Tar Pitch; Coal-tars; Coke oven emissions; Coke-oven tar; Coking tar; Crude coal tar; Egopsoryl TA; EINECS 232-361-7; EPA Pesticide Chemical Code 022003; Estar; Estar (skin treatment); Fongitar; HSDB 5050; Impervotar; Ionil T plus; KC 261; Lavatar; Linotar Gel; Picis carbonis; Pixalbol; Polytar bath; psoriGel; RT 7; RT 7 (coal tar); Tar; Tar, coal; Tar, coal, colorless purified; Tar, coal, purified colorless; Tar, coking; Tarcron 180; Tarcron 180L; Tarcron 230; Zetar. Registered by EPA

as a fungicide. *KMG-Bernuth Inc.*

903 **Coal Tar/Creosote**
8001-58-9 2600 D G P

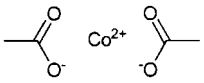
Creosote oil.
AWPA 1; Brick oil; Caswell No. 225; CCRIS 6005; Coal tar creosote; Coal tar creosote oils; Coal tar oil; Coal tars (during destructive distillation); Creosote; Creosote (coal tar); Creosote (coal) [Soots, tars, and mineral oils]; Creosote P1; Creosotes; Creosotum; Cresylic creosote; Dead oil; EINECS 232-287-5; EPA Pesticide Chemical Code 025004; Heavy oil; HSDB 6299; Liquid pitch oil; Naphthalene oil; Original Carbolineum; Osmoplastic-D; Petroleum creosote; Preserv-O-sote; RCRA waste number U051; Sakresote 100; Smoplastic-F; Tar oil; Wash oil. Registered by EPA as a fungicide. Black oily liquid; d > 1.0; d_{15}^{30} = 1.06; insoluble in H_2O. *Coopers Creek Chemical Corp.; KMG-Bernuth Inc.; Koppers Industries Inc.; Osmose Inc.*

904 **Cobalt**
7440-48-4 2452 G

Co

Co
Cobalt.
Aquacat; C.I. 77320; CCRIS 1575; Cobalt; Cobalt-59; Cobalt, elemental; Cobalt fume; Cobalt metal, dust and fume; Cobalt metal powder; EINECS 231-158-0; HSDB 519; Kobalt; NCI-C60311; Super cobalt. Oxidizing agent, lamp filaments, in manufacture of cobalt steel; in porcelain, glass, pottery, enamels. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

905 **Cobalt acetate**
71-48-7 2458 H



$C_4H_8CoO_4$
Acetic acid, cobalt(2+) salt.
Acetic acid, cobalt(2+) salt; Bis(acetato)cobalt; Cobalt acetate ($Co(OAc)_2$); Cobalt diacetate; Cobalt(2+) acetate; Cobalt(II) acetate; Cobaltous acetate; Cobaltous diacetate; EINECS 200-755-8; HSDB 997; NSC 78410. Bleaching agent and drier in lacquers; esterification and oxidation catalyst, foam stabilizer in beers. Pink crystals; freely soluble in H_2O. [Tetrahydrate]; red crystals; d = 1.705; becomes anhydrous at 140°; soluble in H_2O, alcohols, pentyl acetate.

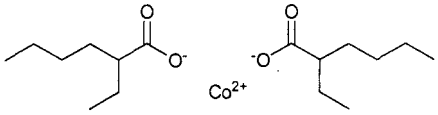
906 **Cobalt bromide**
7789-43-7 2460 G

Br_2Co
Cobalt(II)Bromide.
Cobalt bromide; Cobalt bromide ($CoBr_2$); Cobalt dibromide; Cobalt(II) bromide; Cobaltous bromide; EINECS 232-166-7; HSDB 998. Solid; mp = 678°; d_4^{25} = 4.909; soluble in H_2O, organic solvents. *Mechema Chemicals Ltd.*

907 **Cobalt chloride**
7646-79-9 2462 D G

Cl_2Co
Cobaltous chloride anhydrous.
CCRIS 4224; Cobalt chloride; Cobalt chloride ($CoCl_2$); Cobalt dichloride; Cobalt muriate; Cobalt(II) chloride; Cobaltous chloride; Cobaltous dichloride; Dichlorocobalt; EINECS 231-589-4; HSDB 1000; Kobalt chlorid; NSC 51149. Absorbent for ammonia, gas masks, electroplating, inks, hygrometers, manufacture of vitamin B_{12}, flux for magnesium refining, solid lubricant, dye mordant, catalyst, barometers, laboratory reagent, fertilizer additive. Usd medicinally as a hematinic agent. Pale blue leaflets; mp = 735°; bp = 1049°; d^{25} = 3.367; soluble in H_2O, EtOH, MeOH, Me_2CO, Et_2O, C_5H_5N; LD_{50} (mus orl) = 360 mg/kg, (rat orl) = 171 mg/kg, (mus ip) = 92.6 mg/kg, (rat ip) = 36.9 mg/kg, (mus iv) = 23.3 mg/kg, (rat iv) = 4.3 mg/kg. *Celtic Chem. Ltd.; Mallinckrodt Inc.; Nihon Kagaku Sangyo; Spectrum Chem. Manufacturing.*

908 **Cobalt 2-ethylhexanoate**
136-52-7 H

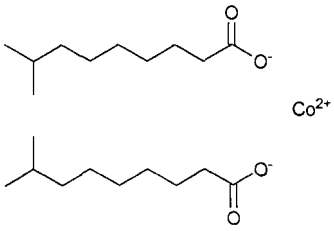


$C_{16}H_{32}CoO_4$
Cobalt bis(2-ethylhexanoate).
8SEH-Co; C 101; C 101 (catalyst); CO 12; Cobalt 2-ethylhexoate; Cobalt bis(2-ethylhexanoate); Cobalt octoate; Cobalt(II) 2-ethylhexanoate; Cobaltous 2-ethylhexanoate; Cobaltous octoate; EINECS 205-250-6; Hexanoic acid, 2-ethyl-, cobalt(2+) salt; HSDB 5621; NL 49P; NL 51P; NL 51S; Versneller NL 49.

909 **Cobalt naphthenate**
61789-51-3 H

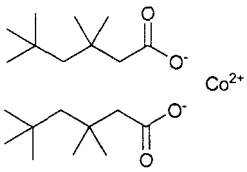
Naphthenic acids, cobalt(II) salts.
Caswell No. 226; CCRIS 772; Cobalt naphthenate; Cobalt naphthenates, powder; Cobalt(II) naphthenate; Cobaltous naphthenate; EINECS 263-064-0; EPA Pesticide Chemical Code 025101; Naftolite; Naphtenate de cobalt; Naphthenic acid, cobalt salt; UN2001.

910 **Cobalt neodecanoate**
27253-31-2 H



$C_{20}H_{38}CoO_4$
Neodecanoic acid, cobalt salt.
Cobalt neodecanoate; EINECS 248-373-0; Neodeca-noic acid, cobalt salt.

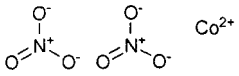
911 **Cobalt(2+) neodecanoate**
52270-44-7 H



$C_{20}H_{38}CoO_4$
Neodecanoic acid, cobalt(2+) salt.
Cobalt(2+) neodecanoate; EINECS 257-798-0; Neodecanoic acid, cobalt(2+) salt.

912 Cobalt nitrate

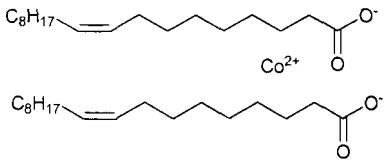
10141-05-6 2469 G



CoN_2O_6
Cobalt(II) nitrate.
Cobalt bis(nitrate); Cobalt dinitrate; Cobalt nitrate; Cobalt nitrate ($Co(NO_3)_2$); Cobalt(2+) nitrate; Cobalt(II) nitrate; Cobaltous nitrate; EINECS 233-402-1; HSDB 238; Nitric acid, cobalt(2+) salt. Oxidizing agent, dangerous fire risk in contact with organic materials. Pale red powder; dec 100°; d = 2.49; LD_{50} (rbt orl) = 250 mg/kg, (rbt sc) = 75 mg/kg. [hexahydrate]; mp = 55°; d = 1.88; very soluble in H_2O, EtOH, organic solvents; LD_{50} (rat orl) ■ 691 mg/kg. *Atomergic Chemetals; Celtic Chem. Ltd.; Mallinckrodt Inc.; Nihon Kagaku Sangyo; Noah Chem.*

913 Cobalt oleate

14666-94-5 H



$C_{36}H_{66}CoO_4$
9-Octadecenoic acid (9Z)-, cobalt salt.
Cobalt oleate; EINECS 238-709-4; 9-Octadecenoic acid (9Z)-, cobalt salt; Oleic acid, cobalt salt.

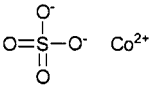
914 Cobalt oxide monohydrate

12016-80-7 2456 G

$CoHO_2$
Cobaltic hydroxide.
Cobalt hydroxide oxide; Cobalt hydroxide oxide ($CoO(OH)$); Cobalt oxide hydroxide; Cobalt oxyhydroxide; Cobaltic oxide monohydrate; Cobalt(III) oxide monohydrate; EINECS 234-614-7. Oxidation catalyst Dark brown-black powder; insoluble in H_2O.

915 Cobalt sulfate

10124-43-3 2473 G



CoO_4S
Cobalt(II) sulfate.
Cobalt (2+) sulfate; Cobalt Brown; Cobalt monosulfate; Cobalt sulfate; Cobalt sulfate (1:1); Cobalt sulfate ($CoSO_{24}$); Cobalt sulphate; Cobalt(2+) sulfate; Cobalt(II) sulfate; Cobalt(II) sulphate; Cobaltous sulfate; Cobaltous sulfate salt (1:1); EINECS 233-334-2; HSDB 240; Sulfuric acid, cobalt(2+) salt (1:1). Ceramics, pigments, glazes, in plating baths for cobalt, additive to soils, catalyst, paint and ink drier, storage batteries. Red crystals; d:s25 = 3.71; slightly soluble in boiling H_2O. *Atomergic Chemetals; Elf Atochem N. Am.; Johnson Matthey; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

916 Cobalt tallate

61789-52-4 H

Tall oil fatty acids, cobalt salts.
Cobalt tallate; EINECS 263-065-6; Fatty acids, tall-oil, cobalt salts; Tall oil fatty acids, cobalt salts. 263-065-6

917 Cobalt trifluoride

10026-18-3 2455 G

F_3Co
Cobalt(III) fluoride.
Cobalt fluoride (CoF_3); Cobalt trifluoride; Cobaltic fluoride; EINECS 233-062-4. Used as a fluorinating agent in the fluorination of hydrocarbons (Fowler process). Solid; d = 3.88; reacts with air and H_2O. *Atomergic Chemetals; Cerac; Elf Atochem N. Am.*

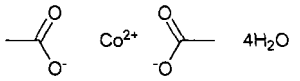
918 Cobaltic oxide

1308-04-9 G

Co_2O_3
Cobalt (III) oxide.
C.I. 77323; Cobalt black; Cobalt oxide; Cobalt oxide (Co_2O_3); Cobalt peroxide; Cobalt sesqioxide; Cobalt sesquioxide; Cobalt trioxide; Cobalt(3+) oxide; Cobalt(III) oxide; Cobaltic oxide; Dicobalt oxide; Dicobalt trioxide; EINECS 215-156-7. A pigment used in coloring enamels and glazing pottery. Black solid; insoluble in H_2O, soluble in H_2SO_4. *Atomergic Chemetals; Cerac; Noah Chem.*

919 Cobaltous acetate

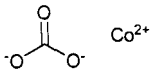
6147-53-1 G



$C_4H_6CoO_4.4H_2O$
Cobalt(II) acetate tetrahydrate.
Acetic acid, cobalt(2+) salt, tetrahydrate; Bis-(acetato)tetraquacobalt; Cobalt acetate tetrahydrate; Cobalt diacetate tetrahydrate; Cobalt(II) acetate tetrahydrate; Cobaltous acetate tetrahydrate; Octan kobaltnaty. Used in inks, paints and varnish driers, catalyst, anodizing, mineral supplement in feed additives, foam stabilizer. [Tetrahydrate]; d = 1.705; soluble in H_2O and EtOH. *Atomergic Chemetals; Celtic Chem. Ltd.; Mallinckrodt*

Inc.; Nihon Kagaku Sangyo; Noah Chem.

920 **Cobaltous carbonate**
513-79-1 2461 G



$CCoO_3$
Cobalt(II) carbonate.
C.I. 77353; Carbonic acid, cobalt(2+) salt (1:1); Carbonic acid, cobalt(2+) salt; CI 77353; Cobalt carbonate (1:1); Cobalt carbonate ($CoCO_3$); Cobalt monocarbonate; Cobalt spar; Cobalt(2+) carbonate; Cobaltous carbonate; EINECS 208-169-4; HSDB 999; NSC 112219; Sphaerocobaltite. Used in the manufacture of cobaltous oxide, cobalt pigments, cobalt salts; as a chemical intermediate. Powder; d= 4.13; insoluble in H_2O, EtOH, EtOAc. *Celtic Chem. Ltd.; Nihon Kagaku Sangyo; Noah Chem.*

921 **Cobaltous oxide**
1307-96-6 2471 G

Co=O

CoO
Cobalt(II) oxide.
C.I. 77322; C.I. Pigment Black 13; CCRIS 4229; Cobalt Black; Cobalt monooxide; Cobalt monoxide; Cobalt oxide; Cobalt oxide (CoO); Cobalt(2+) oxide; Cobalt(II) oxide; Cobaltous oxide; EINECS 215-154-6; HSDB 239; Monocobalt oxide; Zaffre. Readily absorbs oxygen at room temperature. Used as pigment in ceramics. Pigment, coloring enamels, glazing pottery. Solid; mp = 1935°; d = 5.7 - 6.7; LD_{50} (rat orl) = 1.70 g/kg. *Atomergic Chemetals; Cerac; Noah Chem.*

922 **Cocamide DEA**
8051-30-7 E H

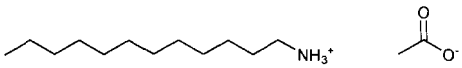
Coconut oil diethanolamide.
Coconut oil amides; Coconut oil, condensed with diethanolamine; Coconut oil diethanolamine; Coconut oil, diethanolamine condensate; Coconut oil diethanolamide; Coconut oil, reaction products with diethanolamine; Comperlan® COD; Diethanolamine condensate of coconut oil; Diethanolamine, coconut oil condensate; EINECS 232-483-0; Witcamide 128t. FDA (0.2% maximum), FDA approved for topicals. Used as a mild surfactant, thickener, emulsifier and solubilizer in topical dermatological products. Insoluble in H_2O. *Aquatec Quimica SA.*

923 **Cocamidopropyl betaine**
61789-40-0 G

$RCO\text{-}NH(CH_2)_3N^+(CH_3)CH_2COO^-$

Cocamidopropyl dimethyl glycine.
CADG; Abluter BE, CPB; Amido betaine C, C-45; Amonyl® 380BA, 440 NI; Ampholak BCA-30; Ampholan® 197; Ampholyt™ JB 130; Rewoteric® AMB-14, AMB-14S, AMB-15, AM B45; AM B 50; Ritataine; Rititaine B; Schercotaine CAB, CAB-G; Swanol AM-3130N; AMPHOSOL® CA, CG; Amphotensid B4, B4 LS; Caltaine C35; Chembetaine® C, CGF, CL; Dehyton® PK, 3016 B, K, KE, KE 3016, PK 45; Deriphat® BAW; DeTAINE CAPB-35, CAPB-35HV; Tego® betaine C, E, F, F50, L-7, L-7F, L-5351, S, ZF; Velvetex® BA-35,; Emcol® 6748, Coco betaine; Emcol® DG, NA30; Emery® 6744; Empigen ® BS/AU, BS/F, BS/FA, BS/H, BS/P; Euroquat C45, CPB, K, LA, LAC; Foamtaine CAB, CAB-G; Genagen CA 818, CAB; Incronam 30; Lebon 200; Lonzaine® C, CO; Mackam™ 35, 35HP, J, L; Manroteric CAB; Miratiane BD-J, BET-C-30, BET-W, CAB, CAB-A, CAB-O, CB, CBC, CB/M, CBR; Monoteric ADA, CAB, CAB-LC, CAB-XLC, COAB; Naxaine® C, CO, Cocbetaine; Nutrol betaine MD 3863, OL 3798; Proteric CAB, COAB; Ralufon® 414; Rewoteric AMB-13,. High foaming, conditioning detergent for mild shampoos; solubilizer for lauryl sulfates in concentrated shampoos; thickener. Gardner 4 liquid; soluble in H_2O; disperses in glycerol trioleate; density = 8.8 lb/gal; visc 7cSt (100°F); sp gr = 1.03; clear pt = 0°. *Chemron; Goldschmidt; Henkel/Emery; Henkel/ Organic Prods.; Huntingdon Labs.; Inolex; Lonza-group; McIntyre; Mona; Scher; Sherex; Taiwan Surfactants; Witco/Oleo-Surf.*

924 **Cocamine acetate**
2016-56-0 G



$C_{14}H_{31}NO_2$
n-Dodecylamine acetate salt.
Acetamin 24; Acetic acid, dodecylamine salt; AI3-14974; Armac 12D; Dodecanamine acetate; 1-Dodecanamine, acetate; 1-Dodecanamine acetate (salt); Dodecylamine, acetate; 1-Dodecylamine acetate; Dodecylammonium acetate; EINECS 217-956-1; Laurylamine acetate; Nopcogen 16L; NSC 97256. Surface coating agent for pigments, anticaking agent for fertilizer; emulsifier, dispersant, and softening agent for textiles; mineral flotation reagent. White solid; soluble in H_2O. *Kao Corp. SA.*

925 **Cocamine oxide**
61788-90-7 G

$R\text{-}NH\text{-}CHCH_2COOHCH_3$

(R represents the coconut radical)

Coco dimethylamine oxide.
Aminoxid A 4080; Aromax® DMC; Aromax® DMC-W; Barlox® 12; Chemoxide® WC; Empigen® OB/AU; Genaminox KC; Mackamine™ CO; Noxamine CA 30; Rhodamox® C; Schercamox DMC; Sochamine OX 30Empigen® 5083. Foam booster/stabilizer and viscosity modifier for shampoos, foam baths, cleaners; improves conditioning in shampoos; solubilizer for liquid bleach products. Gardners 1 max liquid; sp gr = 0.89; HLB 18.6; flash point = 21°; pH ▫ 6-9; prolonged contact may cause severe burns to eyes and severe skin irritation; flammable. *Albright & Wilson UK Ltd.*

926 **Coceth-27**
61791-13-7 G

$R(OCH_2CH_2)_nOH$

(R represents coconut radical, avg n=27)

Coceth 10.
Dehydol LT 3; Genapol® C-050; Genapol® GC-050. Emulsifier, solubilizer for solvents, oils; base for production of ether sulfates; raw material for low-foaming detergents, dishwashing, cleansing agents, cold cleaners; superfatting agent. Liquid; soluble in oil; HLB 7.3; hyd no. 163-174; pH = 6.0-7.5.

927 **Cocoamidopropylbetaine**
61789-40-0 H

N-(3-Cocoamidopropyl)-N,N-dimethyl-N-carboxymethyl betaine.
Alkateric Cab-A; Coco Amido βine; Cocoamido-propylbetaine; N-(3-Cocoamidopropyl)-N,N-dimethyl-N-carboxymethyl betaine; N-(3-Cocoamidopropyl)-N,N-dimethyl-N-carboxymethylammonium hydroxide, inner salt; N-(Coco alkyl) amido propyl dimethyl betaine; N-(Cocoamidopropyl)-N,N-dimethyl-N-carb-oxymethyl ammonium,

betaine; N-Cocamidopropyl-N,N-dimethylglycine, hydroxide, inner salt; Coconut oil amidopropyl betaine; EINECS 263-058-8; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-di-methyl-, N-coco acyl derivs, inner salts.

928 Cocoamine
61788-46-3 H

Amines, coco alkyl.
Amines, coco alkyl; Cocamine; Cocoamine; Coconut amine; EINECS 262-977-1.

929 Coconitriles
61789-53-5 H

Nitriles, coco.
EINECS 263-066-1; Nitriles, coco.

930 Coconut acid
61788-47-4 H

Coconut fatty acids.
Coco fatty acid; Coconut oil acids; Distilled Whole Coconut Oil 6226 6222' Low I.V. Coconut Oil 6227 6228; Split Coconut Oil 6254 6255; Stripped Coconut Oil 6212 6256; component of: Hystrene® 1835. Used as an emulsifier in topicals. FDA approved for topicals. *Abitec Corp.; Akzo Nobel; Norman-Fox; Procter & Gamble Pharm. Inc.; Witco/Oleo-Surf.*

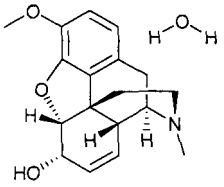
931 Coconut Oil
8001-31-8 2486 H

Coconut oil.
Acidulated coconut soapstock; Cobee 76; Cocoanut oil; Coconut acidulated soapstock; Coconut Oil® 76; Coconut Oil® 92; Cocos nucifera oil; Copra oil; Pureco® 76; Trifat C-24. FDA GRAS, approved for orals, topicals, BP compliance. Used as an emollient, emulsifier, excipient, ointment base for pharmaceuticals and coating agent. Used in orals, topicals and massage creams. Yellow oil; mp = 21-25°; d^0_4 = 0.903; insoluble in H_2O, 95% EtOH, slightly soluble in EtOH, very soluble in CS_2, $CHCl_3$, Et_2O; non-toxic. *Aarhus; Abitec Corp.; Akzo Chemie; Amber Syn.; Arista Ind.; British Arkady; Calgene; Charkit; Gittens Edwd.; Integra; Penta Mfg.; Ruger; Spectrum Chem. Manufacturing; Spectrum Naturals; Tri-K Ind.*

932 Coconut oil acids, diethanolamine salt
61790-63-4 H

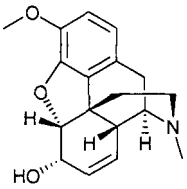
Fatty acids, coco, compds. with diethanolamine.
Coconut oil acids, diethanolamine salt; Coconut oil fatty acids, diethanolamine salt; EINECS 263-153-4; Fatty acids, coco, compds. with diethanolamine

933 Codeine
6059-47-8 2488 D



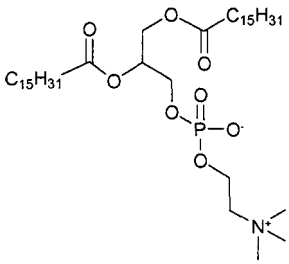
$C_{18}H_{21}NO_3.H_2O$
7,8-Didehydro-4,5α-epoxy-3-methoxy-17-methyl morphinan-6α-ol monohydrate.
Brontex; Codeine; DEA No. 9050; 7,8-Didehydro-4,5α-epoxy-3-methoxy-17-methylmorphinan-6α-ol monohydrate; Morphinan-6-ol, 7,8-didehydro-4,5-epoxy-3-methoxy-17-methyl-, monohydrate, (5α,6α)-. Analgesic, narcotic; antitussive. Federally controlled substance (opiate). Crystals; mp = 154-156°; d^{20}_4 = 1.32; $[\alpha]_D^{15}$ = -136° (c= 2, EtOH); pK = 6.05; soluble in H_2O (0.8 g/100 ml); more soluble in organic solvents

934 Codeine [anhydrous]
76-57-3 2488 D



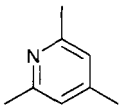
$C_{18}H_{21}NO_3$
7,8-Didehydro-4,5α-epoxy-3-methoxy-17-methyl morphinan-6α-ol.
CCRIS 7555; Codeine; l-Codeine; Codeine anhydrous; Codicept; Coducept; EINECS 200-969-1; HSDB 3043; Methylmorphine; Morphine-3-methyl ether; Morphine monomethyl ether. Analgesic, narcotic; antitussive. Federally controlled substance (opiate).

935 Colfosceril palmitate
63-89-8 2501 D G



$C_{40}H_{80}NO_8P$
1,2-Dipalmitoyl-sn-glycero-3-phosphocholine.
Choline hydroxide, dihydrogen phosphate, inner salt, ester with L-1,2-dipalmitin; Colfosceril palmitate; Colfoscerili palmitas; Colfoseril palmitate; 1,2-Dipalmitoyl-sn-glycero-3-phosphocholine; EINECS 200-567-6; Exosurf; Palmitate de colfosceril; Palmitato de colfoscerilo. Pulmonary surfactant, used to treat infant respiratory distress symptoms. Also used as an aid in the diagnosis of fetal lung immaturity. White solid; mp = 234-235°; $[\alpha]_D^{23}$ = 6.6° (c = 4.2 $CHCl_3$-EtOH); soluble in organic solvents. *Burroughs Wellcome Inc.* 200-567-6

936 Collidine
108-75-8 9789 G



$C_8H_{11}N$
2,4,6-Trimethylpyridine.
5-20-06-00093 (Beilstein Handbook Reference); AI3-10050; BRN 0107283; α,γ,α'-Collidine; γ-Collidine; 2,4,6-Collidine; s-Collidine; EINECS 203-613-3; HSDB 57; 2,4,6-Kollidin; NSC 460; Pyridine, 2,4,6-trimethyl-; 2,4,6-Trimethylpyridine. Used as chemical intermediate and dehydrohalogenating agent. Liquid; mp = -46°; bp =

170.6°; d^{22} = 0.9166; λ_m = 208, 264 nm (MeOH); soluble in H_2O (35 g/l), EtOH, Et_2O, Me_2CO, CCl_4; LD_{50} (rat orl) = 400 mg/kg.

937 Copper

7440-50-8 2545 G P

Cu

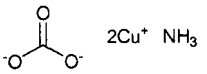
Cu

Copper.

1721 Gold; Allbri Natural Copper; ANAC 110; Anode copper; Arwood copper; Blister copper; Bronze powder; C 100 (metal); C.I. 77400; C.I. Pigment Metal 2; Caswell No. 227; Cathode copper; CCRIS 1577; CDA 101; CDA 102; CDA 110; CDA 122; CDX (metal); CE 1110; CE 7 (metal); CI Pigment metal 2; Copper; Copper-airborne; Copper bronze; Copper dust; Copper, dusts and mists; Copper, elemental; Copper, fume; Copper M 1; Copper metal powder; Copper, metallic powder; Copper-milled; Copper powder; Copper precipitates; Copper slag-airborne; Copper slag-milled; CU M3; Cuprum; Cutox 6010; Cutox 6030; E 115 (metal); EINECS 231-159-6; Electrolytic refinery billet copper; Electrolytic refinery wirebar copper; EPA Pesticide Chemical Code 022501; Gold bronze; HSDB 1622; Kafar copper; M1 (Copper); M2 (Copper); M3 (Copper); M3R; M3S; M4 (Copper); OFHC Cu; Pigment metal 2; Rame; Raney copper. Electric wiring, switches, plumbing, heating, roofing; chemical and pharmaceutical machinery; alloys; coatings; cooking utensils. Fungicide. Registered by EPA as a fungicide, herbicide and insecticide. Metal; mp = 1083°; bp = 2595°; d = 8.94. *Asarco; M&T Harshaw; Noah Chem.; Sigma-Aldrich Fine Chem.*

938 Copper ammonium carbonate

33113-08-5 G P



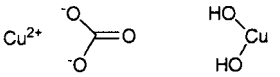
$C_2H_4CuN_2O_6$

Cupric ammonium carbonate.

Copper carbonate, basic; copper ammonium carbonate; Carbonic acid, ammonium copper salt; Copper count N; Croptex Fungex. A protectant fungicide. Registered by EPA as a fungicide and herbicide. *Central Garden & Pet; Chemical Specialties Inc.; Hortichem Ltd.*

939 Copper carbonate

12069-69-1 2658 G



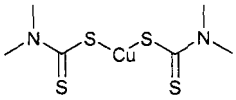
$CuCO_3 \cdot Cu(OH)_2$

Copper(II) carbonate, basic.

Basic copper carbonate; Basic copper(II) carbonate; Basic cupric carbonate; (Carbonato(2-))dihydroxy-dicopper; (Carbonato)dihydroxydicopper; Carbonic acid, copper complex; Carbonic acid, copper(2+) salt (1:1), basic; Caswell No. 235; Cheshunt compound; Copper, (carbonato)dihydroxydi-; Copper carbonate, basic; Copper carbonate hydroxide; Copper hydroxide carbonate ($Cu_2(OH)_2CO_3$); Copper(II) carbonate copper(II) hydroxide (1:1); Copper(II) carbonate hydroxide (2:1:2); Copper(II) carbonate hydroxide; Copper rust; Cupric carbonate, basic; Cupric carbonate hydroxide ($CuCO_3.Cu(OH)_2$); Dicopper dihydroxy-carbonate; EINECS 235-113-6; EPA Pesticide Chemical Code 022901; Green spar; Green verditer; Kop karb; Malachite; Mountain green; Verditer blue; Bremen green; Carbonato(2-(O:O'))dihydroxydicopper; Basic copper carbonate ($Cu_2(OH)_2CO_3$). Used in pigments, pyrotechnics, insecticides, copper salts. An astringent in pomades, antidote for phosphorus poisoning, smut preventive, fungicide for seed treatment, feed additive. Green crystals; mp = 200° (dec); d = 4.000; LD_{50} (rat orl) = 1350 mg/kg. *Am. Chemet; Boliden Intertrade; Nihon Kagaku Sangyo.*

940 Copper dimethyldithiocarbamate

137-29-1 G



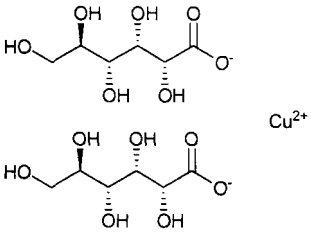
$C_6H_{12}CuN_2S_4$

Cupric N,N-dimethyldithiocarbamate.

AI3-14693; Bis(dimethylcarbamodithioato-S,S')copper; Bis(dimethyldithiocarbamate)Cu (II) complex; Carb-amic acid, dimethyldithio-, copper(II) salt; Compound-4018; Copper, bis(dimethylcarbamodithioato-S,S')-; Copper dimethyldithiocarbamate; Copper(2+) di-methyldithiocarbamate; Copper(II) dimethyldithio-carbamate; Cumate; Dimethyldithiocarbamatocopper; Dimethyldithiocarbamic acid copper salt; EINECS 205-287-8; Hermat Cu; NSC 32947; Wolfen. Accelerator for butyl rubber, ethylene-propylene-diene rubbers, for high-speed vulcanization of SBR, IIR, EPDM. Solid; mp >300°; d = 1.75; slightly soluble in organic solvents. *Akrochem Chem. Co.; Akzo Chemie; Vanderbilt R.T. Co. Inc.*

941 Copper gluconate

527-09-3 2667 G V



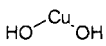
$C_{12}H_{22}CuO_{14}$

Copper(II) gluconate.

Bis(D-gluconato-O1,O2)copper; Bis(D-gluconato)-copper; CCRIS 3652; Chelates of copper gluconate; Copper, bis(D-gluconato)-; Copper, bis(D-gluconato-O1,O2)-; Copper D-gluconate (1:2); Copper di-D-gluconate; Copper gluconate; Copper(2+) D-gluconate, (1:2); Copper(II)gluconate; Cupric gluconate; Cupric gluconate monohydrate; EINECS 208-408-2; Gluconal® CU; Gluconic acid, copper(2+) salt; Gluconic acid, copper(2+) salt (2:1), d-; Gluconic acid, copper(2+) salt (2:1), D-; HSDB 261. Pharmaceutical/food grade mineral source for human and veterinary pharmaceutical preparations, dietary supplements, fortified foods and animal feed. Also used as an oral deodorant. Solid; d = 1.710 mg/kg; soluble in H_2O (30 g/100 ml); slightly soluble in EtOH, insoluble in organic solvents. *Akzo Chemie; Glucona; Spectrum Chem. Manufacturing.*

942 Copper hydroxide

20427-59-2 2670 G P



CuH_2O_2

Copper(II) hydroxide.

Blue Copper; Blue Shield; Blue Shield DF; Caswell No. 242; Champ; Champ Formula II; Chiltern Kocide 101; Comac Parasol; Copper blue; Copper dihydroxide; Copper hydroxide; Copper

hydroxide ($Cu(OH)_2$); Copper(2+) hydroxide; Copper(II) hydroxide; Criscobre; Cudrox; Cuidrox; Cupravit blau; Cupravit Blue; Cupravit blue; Cupric hydroxide; Cupric Hydroxide Formulation Grade Agricultural Fungicide; Cuzin; EINECS 243-815-9; EPA Pesticide Chemical Code 023401; Funguran OH; HSDB 262; Hydrocop T; Kocide; Kocide 101; Kocide 101PM; Kocide 220; Kocide 404; Kocide 2000; Kocide Copper Hydroxide Antifouling Pigment; Kocide Cupric Hydroxide Formulation Grade; Kocide DF; Kocide LF; Kocide SD; KOP Hydroxide; KOP Hydroxide WP; Kuprablau; Nu-Cop; Parasol; Schweitzer's reagent; Spin Out FP; Technical Hydrox; Wetcol. Copper salts, mordant, paper staining; pesticide, fungicide, catalyst and solvent for cellulose. Registered by EPA as a fungicide and herbicide. Light blue crystals; d = 3.37; slightly soluble in H_2O (0.00029 g/100 ml at pH 7)readily soluble in aqueous ammonia, insoluble in organic solvents; LD_{50} (rat orl) = 1000 mg/kg, (rbt der) > 3160 mg/kg, (bobwhite quail orl) = 3400 mg/kg, (mallard duck orl) > 5000 mg/kg; LC_{50} (ihl) > 2 mg/l air, (rainbow trout 24 hr.) = 0.08 mg/l, bluegill sunfish 96 hr.) > 180 mg/l; non-toxic to bees. *Agriliance LLC; Agtrol International; Am. Chemet; Chiltern Farm Chemicals Ltd; Cuproquim Corp.; Drexel Chemical Co.; Faesy & Besthoff Inc.; Generic; Gowan Co.; Griffin LLC; Kop-Coat Inc.; McKechnie Chemicals Ltd.; Micro-Flo Co. LLC; Spiess-Urania Chemicals Gmbh.*

943 Copper naphthenate

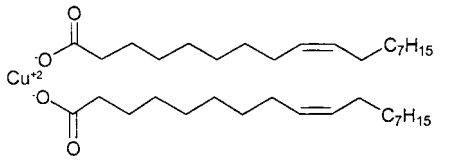
1338-02-9 P

Naphthenic acid, copper salt.

Caswell No. 245; CCRIS 1401; Chapco Cu-nap; CNC; Copper naphthenate; Copper uversol; Cunapsol; Cuprinol; EINECS 215-657-0; EPA Pesticide Chemical Code 023102; HSDB 245; Naphtenate de cuivre; Naphthenic acids, copper salts; Troysan; Troysan copper 8%; Wiltz-65; Wittox C. Fungicide. Registered by EPA as a fungicide, herbicide and insecticide. Viscous, green oil; insoluble in H_2O, moderately soluble in petroleum oils, most organic solvents; LD_{50} (rat orl) = 110 mg/kg, (mus orl) = 6400-7200 mg/kg, (rbt der) > 2000 mg/kg; LC_{50} (rat ihl 1 hr.) > 5.5 mg/kg. *Chemical Specialties Inc.; Generic; IBC Manufacturing Co.; Kop-Coat Inc.; Lanco Manufacturing Corp.; Merichem Chemicals & Refinery Services LLC; OMG Americas Inc.; Osmose Inc.; Sherwin-Williams Co.*

944 Copper oleate

10402-16-1 P



$C_{36}H_{66}CuO_4$

Oleic acid, copper(II) salt.

Copper oleate; EINECS 233-866-5; 9-Octadecenoic acid (Z)-, copper salt; (Z)-9-Octadecenoic acid, copper salt; Oleic acid, copper salt. Fungicide. Registered by EPA as a fungicide and molluscicide.

945 Copper oxychloride

1332-40-7 GP

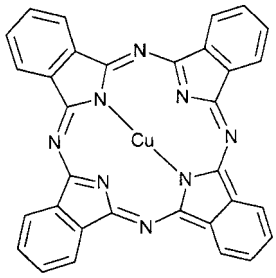
$H_3ClCu_2O_3$

Copper(II) chloride hydroxide.

Agrizan; Areecop; Basic copper chloride; Blitox; Blitox 50; Blue Copper; Blue Copper 50; Bordeaux A; Bordeaux Z; Caswell No. 249; ChemNut 50; Chemocin; Cobox; Cobox Blue; Cobrex; Colloidox; Copen; Copper chloride, basic; Copper chloride, mixed with copper oxide, hydrate; Copper chloride oxide, hydrate; Copper chloroxide; Copper OC fungicide; Copper oxychloride; Coppercide; Copperthom; Coppesan; Coppesan Blue; Coprantol; Coprex; Coprosan Blue; Cozib 62; Cupral 45; Cupramer; Cuprargos; Cuprasol; Cupravit; Cupravit-Forte; Cupravit Green; Cupric oxide chloride; Cupricol; Cupritox; Cuprokylt; Cuprokylt L; Cuprosan Blue; Cuprovit; Cuprox; Cuproxol; Demildex; Dicopper chloride trihydroxide; EPA Pesticide Chemical Code 023501; Faligruen; Funguran; Fycol 8; Fycop; Fycop 40A; Fytolan; H 200A; Hokko Cupra Super; Kauritil; KT 35; Kupferoxychlorid; Kupricol; Kuprikol; Maccopper; Microcop; Miedzian; Miedzian 50; Ob 21; Oxicob; Oxivor; Oxychlorue de cuivre; Oxychlorure de cuivre; Oxyclor; Oxycur; Parrycop; Peprosan; Pol-kupritox; Recop; Tamraghol; Tricop 50; Turbair Copper Fungicide; Viricuivre; Vitigran; Vitigran Blue. Copper containing spray used for control of fungal diseases like downy mildews, late blight, early blight, apple scab and various leaf spot diseases on a wide range of crops. Effective against *Phytophthora infestans*, the cause of potato blight. Registered by EPA as a fungicide and herbicide. Blue-green powder; dec. > 220°; almost insoluble in H_2O (< 10^{-9} g/100 ml at 20°, pH 7), insoluble in organic solvents; LD_{50} (rat orl) = 1440 mg/kg; LC_{50} (carp 48 hr.) = 2.2 mg/l; non-toxic to bees. *Agrichem (International) Ltd.; Agtrol International; All-India Medical; BASF Corp.; Bayer AG; Caffaro SpA; Cequisa; Ciba-Geigy Corp.; Continental Sulfur Co. LLC; Crystal; Cuproquim Corp.; Diachem; Drexel Chemical Co.; Generic; Griffin LLC; Hoechst AG; Industrias Quimicas del Valles SA; Industrie Chimche Caffaro; Phibro-Tech Inc.; Rhône Poulenc Crop Protection Ltd.; Sandoz; Universal Crop Protection Ltd.*

946 Copper phthalocyanine

147-14-8 2546 H



$C_{32}H_{16}CuN_8$

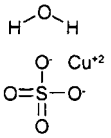
Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyan-ine.

Accosperse Cyan Blue GT; AI3-26192; Aqualine Blue; Arlocyanine Blue PS; Bahama Blue BC; Bahama Blue BNC; Bahama Blue Lake NCNF; Bahama Blue WD; Bermuda Blue; Blue GLA; Blue pigment; Blue Toner GTNF; Calcotone Blue GP; Ceres Blue BHR; Chromatex Blue BN; Chromofine Blue BX; Chromophthal 4G Blue; Chromophthal GF Green (VAN); CI 74160; CI Ingrain Blue 2; CI Pigment Blue 15; CI Pigment Blue 15:1; CI Pigment Blue 15:3; CI Pigment Blue 15:4; Congo Blue B-4; Copper (II) phthalocyanine; Copper Phthaloycanine Blue; Copper tetrabenzoporphyrazine; Copper(2+) phthalocyanine; Copper(II) phthalocyanine; Cromophtal Blue 4G; Cromophtal Blue 4GN; Cromophtal Blue GF; Cyan Blue BNC 55-3745; Cyan Blue BNF 55-3753; Cyan Blue GT 55-3295; Cyan Blue GT 55-3300; Cyan Blue GT; Cyan Blue GTNF; Cyan Blue Toner GT 3000; Cyan Blue XR 55-3758; Cyan Blue XR 55-3760; Cyan Peacock Blue G; Cyanine Blue BB; Cyanine Blue BF; Cyanine Blue Bnrs; Cyanine Blue C; Cyanine Blue GNPS; Cyanine Blue HB; Cyanine Blue LBG; Cyanine Blue Rnf; Dainichi Cyanine Blue B; Dainichi Cyanine Blue BX; Dainichi Cyanine Blue FPG; Dainichi Cyanine Blue PG; Daltolite Fast Blue B; Duratint Blue 1001; EINECS 205-685-1; Euvinyl Blue 702; Fastogen Blue 5007; Fastogen Blue 5110; Fastogen Blue 5120; Fastogen Blue B; Fastogen Blue BS; Fastogen Blue BSF; Fastogen Blue FP; Fastogen Blue GNPT; Fastogen Blue GR; Fastogen Blue GS; Fastogen Blue TGR; Fastolux Blue; Fastolux Peacock Blue; Fenalac Blue B Disp; Franconia Blue A-4431; Graphtol Blue 2GLS; Graphtol Blue BL; Graphtol Blue BLF; Helio Blue B; Helio Fast Blue BRN; Helio Fast

Blue HG; Helio Fast Blue BT; Helio Fast Blue B; Heliogen blue (VAN); Heliogen blue 7080; Heliogen Blue 6902K; Heliogen Blue 6960; Heliogen Blue 7044T; Heliogen Blue 7100; Heliogen Blue A; Heliogen Blue B; Heliogen Blue BA-CF; Heliogen Blue BKA-CF; Heliogen Blue BNC; Heliogen Blue BR; Heliogen Blue BV; Heliogen Blue BWS; Heliogen Blue BWS Extra; Heliogen Blue BWSN; Heliogen Blue IBG; Heliogen Blue K; Heliogen Blue LBG; Heliogen Blue LBGN; Heliogen Blue LBGO; Heliogen Blue LBGT; Heliogen Blue NCB; Heliogen Blue WX; Hostaperm Blue A2R; Hostaperm Blue A3R; Hostaperm Blue AFN; Hostaperm Blue B3G; Hostaperm Blue BG; HSDB 2925; Indolen Blue 3G; Irgalite Blue BLP; Irgalite Blue GLSM; Irgalite Blue LGLD; Irgalite Fast Brilliant Blue BL; Irgaplast Blue RBP; Isol Fast Blue Toner BT; Isol Fast Blue B; Isol Phthalo Blue B; Isol Phthalo Blue FCB; Isol Phthalo Blue BT; Isol Phthalo Blue CBG; Isol Phthalo Blue E 7543; LBX 5; Linnol Blue KLG; Lionol Blue ER; Lionol Blue KLG; Lumatex Blue B; Lutetia Fast Cyanine B; Lutetia Percyanine BRS; Monarch Blue GX-2480; Monarch Blue NCNF X-2658; Monarch Blue Toner NCNF X-2810; Monarch Blue Toner X-2303; Monarch Blue Toner X-2763; Monarch Blue Toner NC X-2371; Pigment Blue 15.

947 Copper sulfate monohydrate

10257-54-2 P



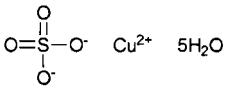
$CuO_4S.H_2O$

Copper(II) sulfate, monohydrate.

Caswell No. 257; Copper sulfate monohydrate; EPA Pesticide Chemical Code 024402. Registered by EPA as a fungicide (cancelled). Blue - white crystals; pH 3.7 - 4.5; LD_{50} (rat orl) = 300 mg/kg. *Generic.*

948 Copper sulfate pentahydrate

7758-99-8 2682 G P



$CuSO_4.H_2O$

Copper(II) sulfate, pentahydrate.

Blue copper AS; Blue Copper; Blue Copperas; Blue stone; Blue Vicking; Blue Vitriol; Bluestone; Calcanthite; Caswell No. 256; CCRIS 5556; Copper sulfate ($CuSO_4$) pentahydrate; Copper(2+) sulfate (1:1) pentahydrate; Copper(II) sulfate, pentahydrate; Cupric sulfate (pentahydrate); EPA Pesticide Chemical Code 024401; Hi-Chel; HSDB 2968; Kocide® Copper Sulfate Pentahydrate Crystals; Kupfersulfat-pentahydrat; Kupfervitriol; Roman vitriol; Salzburg vitriol; Sulfuric acid, copper(2+) salt (1:1), pentahydrate; Triangle; Vencedor. Used as a fungicide to control plant diseases, in fertilizers to correct copper deficiencies in soils. Registered by EPA as a fungicide. Blue triclinic crystals; becomes anhydrous at 250°; $d^{15.6}{}_4$ = 2.286; very soluble in H_2O, soluble in MeOH, glycerol, slightly soluble in EtOH; pH of 0.2M aqueous solution = 4.0; LD_{50} (rat orl) = 960 mg/kg. *Aquatronics; Biotex Laboratories International Ltd.; Cheltec Inc.; CNM Technologies; Earth Care; Environ Intercontinental Ltd.; Florida Water Works, Inc.; Frank Miller & Sons, Inc.; Generic; Griffin LLC; IBC Manufacturing Co.; Jungle Lab.; Marjon & Associates; Phibro-Tech Inc.; Roebic Labs, Inc.; Voluntary Purchasing Group Inc.*

949 Corn Oil

8001-30-7 2559 H

Oil of corn.

Corn germ oil; Lipex 104; Lipomul; Maise oil; Maize oil; Maydol; Mazola oil; Oils, glyceridic, corn; Oils, corn. FDA GRAS, FDA approved for injectables, orals, topicals, USP/NF, BP, JP compliance. Pale yellow oil; mp = -10°; d = 0.914 - 0.921; insoluble in H_2O, soluble in Et_2O, $CHCl_3$, amyl acetate, C_6H_6, CS_2, slightly soluble in EtOH; viscosity ▫ 37.36 - 38.83 mPa. Non-toxic. *Abitec Corp.; ADM; Arista Ind.; British Arkady; Calgene; Cargill; Columbus Foods; Grain Processing; Penta Mfg.; Ruger; Spectrum Chem. Manufacturing; Spectrum Naturals; Tri-K Ind.; Vandemoortele Professional; Wensleydale Foods.*

950 Corn Syrup

8029-43-4 E H

Syrups, hydrolyzed starch, obtained by partial hydrolysis of corn starch.

C*Pharm 01165; Corn sugar syrup; Corn syrup; EINECS 232-436-4; Glucose syrup; Mixture of D-glucose, maltose and maltodextrins; Syrups, corn; Syrups, hydrolyzed starch.; refined maize oil; Stripped corn oil; Super Refined® Corn Oil. FDA GRAS, cleared by USDA to flavor sausage, hamburger, meat loaf, luncheon meat, chopped or pressed ham, limit 2% maximum, approved for orals. Used as a sweetener in orals, texturizer and carrying agent, used in aspirin. Non-toxic. *ADM; Am. Maize Products; Gist-Brocades Intl.; Jungbunzlauer; MLG Enterprises; Staley, A. E. Mfg.*

951 Cottonseed Oil

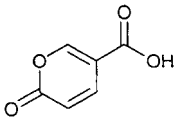
8001-29-4 2580 E P

Oil of cottonseed.

Aceite de Algodon; Caswell No. 259A; Cotton oil; Cotton seed oil [Oil, edible]; Cottonseed acidulated soapstock; Cottonseed oil; Cottonseed oil, fatty acid; Cottonseed oil, winterized; Deodorized winterized cottonseed oil; EINECS 232-280-7; EPA Pesticide Chemical Code 031602; HSDB 913; Lipomul IV; NCI-C50168; Oils, cottonseed; Prime bleachable summer yellow cottonseed oil; Solvent extracted crude cottonseed oil; Oleaginous vehicle and solvent. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide (cancelled). FDA GRAS, FDA approved for intramuscular injectable, orals, USP/NF compliance. Used as an oleaginous vehicle, as a solvent for intramuscular preparations and solid oral dosage forms, topical formulations and intravenous nutrients. Pale yellow oil; d = 0.915 - 0.921; insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, C_6H_6, $CHCl_3$, CS_2, petroleum ether; viscosity < 70.4 mPa at 20°. Non-toxic, but used as an experimental tumorigen and teratogen. *Abitec Corp.; Amber Syn.; Arista Ind.; British Arkady; Cargill; Columbus Foods; Good Food; National Cottonseed; Penta Mfg.; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Tri-K Ind.*

952 Coumalic acid

500-05-0 2583 G



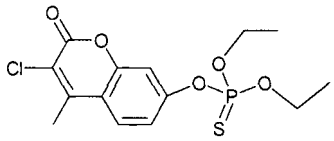
$C_6H_4O_4$

2-Oxo-1,2H-pyran-5-carboxylic acid.

Coumalic acid; Cumalic acid; EINECS 207-899-0; NSC 22978; 2-Oxopyran-5-carboxylic acid; 2-Pentenedioic acid, 4-(hydroxymethylene)-, delta-lactone; α-Pyrone-5-carboxylic acid; 2H-Pyran-5-carboxylic acid, 2-oxo-. Used in chemical synthesis. Crystals; mp= 203-205° (dec); bp_{120} = 218°; λ_m = 240, 290 nm (ε =

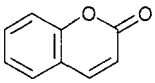
7943, 3981, MeOH); insoluble in C_6H_6, $CHCl_3$, ligroin, slightly soluble in H_2O, Et_2O, Me_2CO, EtOAc, soluble in EtOH, AcOH.

953 **Coumaphos**
56-72-4 2584 G V



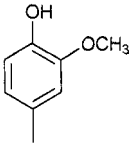
$C_{14}H_{16}ClO_5PS$
3-Chloro-4-methyl-7-coumarinyl diethyl phosphoro-thioate.
4-18-00-00344 (Beilstein Handbook Reference); Agridip; AI3-17957; Asunthol; Asuntol; Azunthol; BAY 21/199; Bayer 21/199; Baymix; Baymix 50; BRN 0327083; Caswell No. 335; CCRIS 180; 3-Chloro-4-methyl-7-hydroxycoumarin diethyl thiophosphoric acid ester; 3-Chloro-7-diethoxyphosphinothioyloxy-4-methylcoumarin; 3-Chloro-7-hydroxy-4-methyl-coumarin O,O-diethyl phosphorothioate; Co-Ral; Coumafos; Coumafosum; Coumaphos; Coumaphos; Cumafos; Cumafosum; Diethyl 3-chloro-4-methylumbelliferyl thionophosphate; Diethyl-O-(3-chloro-4-methyl-7-coumarinyl) phosphorothioate; Diolice; EINECS 200-285-3; ENT 17,957; EPA Pesticide Chemical Code 036501; HSDB 249; Meldane; Meldone; Muscatox; NCI-C08662; Negashunt; Negasunt; NSC 8944; OMS 485; OMS 495; Perizin®; Phosphorothioic acid, O-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) O,O-diethyl ester; Resitox; Suntol; Thiophosphate de O,O-diethyle et de O-(3-chloro-4-methyl-7-coumarinyle); Umbethion. Non-systemic insecticide used for the control of ectoparasites (Varroa jacobsoni) in bees. Also used as a general insecticide and nematicide and, in veterinary medicine as an anthelmintic. Off-white crystals; mp = 95°; d = 1.474; soluble in H_2O (1.5 mg/l), poorly soluble in organic solvents; LD_{50} (mrat orl) = 41 mg/kg, (frat orl) = 16 mg/kg. *Bayer AG.*

954 **Coumarin**
91-64-5 2588 H



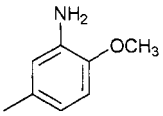
$C_9H_6O_2$
2H-1-Benzopyran-2-one.
5-17-10-00143 (Beilstein Handbook Reference); AI3-00753; Benzo-α-pyrone; BRN 0383644; Caswell No. 259C; CCRIS 181; Cinnamic acid, o-hydroxy-, δ-lactone; cis-o-Coumaric acid anhydride; Coumarin; cis-o-Coumarinic acid lactone; Coumarinic anhydride; Coumarinic lactone; Cumarin; EINECS 202-086-7; EPA Pesticide Chemical Code 127301; HSDB 1623; o-Hydroxycinnamic lactone; o-Hydroxyzimtsaure-lacton; Kumarin; NCI C07103; NSC 8774; Rattex; Tonka bean camphor. Used in pharmaceuticals as a flavorant. Crystals; mp = 71°; bp = 301.7°; d^{20} = 0.935; λ_m = 273, 311 nm (ε = 11200, 5710, MeOH); moderately soluble in H_2O, EtOH, more soluble in Et_2O, $CHCl_3$, C_5H_5N. *Alfa Aesar; Rhodia Inc.; Rhodia Organique Fine Ltd.*

955 **Creosol**
93-51-6 2599 G



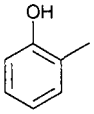
$C_8H_{10}O_2$
1-Hydroxy-2-methoxy-4-methylbenzene.
4-06-00-05878 (Beilstein Handbook Reference); AI3-15891; BRN 1862340; Creosol; p-Creosol; p-Cresol, 2-methoxy-; Cresolum drudum; EINECS 202-252-9; FEMA No. 2671; Homocatechol monomethyl ether; Homoguaiacol; 4-Hydroxy-3-methoxy-1-methylbenzene; 4-Hydroxy-3-methoxytoluene; Kreosol; 2-Methoxy-p-cresol; 2-Methoxy-4-cresol; 2-Methoxy-4-methylphenol; 3-Methoxy-4-hydroxytoluene; 4-Methyl-2-methoxyphenol; 4-Methyl guaiacol; 4-Methylguaiacol; p-Methylguaiacol; NSC 4969; Phenol, 2-methoxy-4-methyl-; Phenol, 3-methoxy-4-methyl-; Rohkcrsol. Constituent of creosote; used as wood preservative, disinfectant. Prisms; mp = 5.5°; bp = 221°, bp_{15} = 104-105°; d^{20} = 1.098; Soluble in EtOH, Et_2O; LD_{50} (rat orl) = 740 mg/kg. Frinton; *Midori Kagaku; Protocol Analytical Supplies.*

956 **Cresidine**
120-71-8 H



$C_8H_{11}NO$
1-Amino-2-methoxy-5-methylbenzene.
3-13-00-01577 (Beilstein Handbook Reference); Azoic Red 36; Benzenamine, 2-methoxy-5-methyl-; BRN 0637071; C.I. Azoic Red 83; CCRIS 183; Cresidine; p-Cresidine; EINECS 204-419-1; HSDB 4107; p-Kresidin; Krezidin; Krezidine; 2-Methoxy-5-methylaniline; NCI-C02982; 5-Methyl-o-anisidine; NSC 406904. Solid; mp = 53°; bp = 235°; λ_m = 236, 290 nm (ε = 7120, 3620, MeOH); slightly soluble in H_2O, $CHCl_3$, soluble in EtOH, Et_2O, C_6H_6.

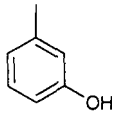
957 **Cresol**
1319-77-3 2604 D G H P



C_7H_8O
Cresylic acid (mixed isomers).
4-06-00-02035 (Beilstein Handbook Reference); Acede cresylique; Acide cresylique; AI3-02360; Bacillol; BRN 0506719; CCRIS 6006; Coal tar phenols; Cresol; Cresol (isomers and mixture); Cresol (mixed isomers); Cresol, all isomers; Cresol, pure; Cresoli; Cresols; Cresols / cresylic acid (isomers and mixture); Cresols, mixed isomers; Cresolum crudum; Cresylic acid; Cresylic acid (isomers and mixture); Cresylic acid, dephenolized; EINECS 215-293-2; HSDB 250; Hydroxymethylbenzene; Hydroxytoluole; Kresole; Kresolen; Kresolum venale; Krezol; Methyl phenol; Methylphenol, mixed; Mixed cresols; Phenol, methyl-; Phenol, methyl-, mixed; RCRA waste number U052; Tekresol; ar-Toluenol; Tricresol; Tricresolum; Trikresolum; UN2022. Mixture of o, m and p-isomers. Used in manufacture of commercial mixtures of phenolic materials boiling above the cresol range; phosphate esters, phenolic resins, wire enamel solvent, plasticizers, gasoline additives, laminates, coating for magnet wire, disinfectants, metal cleaning, flotation agents,

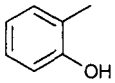
Liquid; mp = 1-2°; bp = 88-94°, d = 1.04; soluble in H_2O (1.932 g/l); more soluble in organic solvents; LD_{50} (rat orl) = 1454 mg/kg. *Allchem Ind.; Crowley Tar Prods.; PMC.*

958 **m-Cresol**
108-39-4 2604 G P



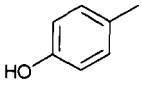
C_7H_8O
3-Hydroxytoluene.
AI3-00136; Bacticin; Caswell No. 261A; CCRIS 645; Celcure Dry Mix (chemicals for wood preserving); Cresol, all isomers; Cresol, m-; m-Cresol; m-Cresylic acid; EINECS 203-577-9; EPA Pesticide Chemical Code 022102; FEMA Number 2337; FEMA Number 3530; Franklin Cresolis; Gallex; HSDB 1815; Hydroxy-3-methylbenzene; m-Hydroxytoluene; m-Kresol; Metacresol; Methylphenol, 3-; m-Methylphenol; NSC 8768; m-Oxytoluene; Phenol, 3-methyl-; RCRA waste number U052; Rover's Dog Shampoo; m-Toluol; UN2076. Used in disinfectants, fumigants; in photographic developers, explosives; phenolic resins, ore flotation; textile scouring agent; manufacture of coumarin and salicylaldehyde; herbicides, surfactants. Registered by EPA as a fungicide. Liquid; mp = 11.8°; bp = 202.2°; d_4^{20}= 1.0341; slightly soluble in H_2O (2.5 g/100 ml), freely soluble in EtOH, $CHCl_3$, Et_2O, Me_2CO, C_6H_6, CCl_4; LD_{50} (rat orl) = 2020 mg/kg. 11763451; *Allchem Ind.; Lancaster Synthesis Co.; Spectrum Chem. Manufacturing.*

959 **o-Cresol**
95-48-7 2604 G H



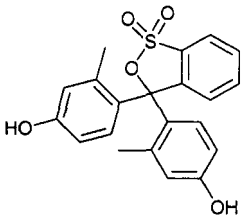
C_7H_8O
Phenol, 2-methyl-.
AI3-00137; CCRIS 646; Cresol, o-; Cresol, o-isomer; Cresol, ortho-; o-Cresylic acid; EINECS 202-423-8; FEMA No. 3480; HSDB 1813; o-Hydroxytoluene; o-Kresol; o-Methylphenol; o-Methylphenylol; o-Oxytoluene; NSC 23076; Phenol, 2-methyl-; RCRA waste number U052; o-Toluol; UN2076. Used as a disinfectant, in phenolic resins, manufacture of tricresyl phosphate, ore flotation, textile scouring, organic intermediate, manufacture of salicylaldehyde, coumarin, and herbicides, surfactant. Crystals; mp = 29.8°; bp = 191°; d^{25} = 1.135; λ_m = 214, 273 nm (ε = 6030, 1820, MeOH); moderately soluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, LD_{50} (rat orl) = 121 mg/kg. *Allchem Ind.; Crowley Tar Prods.; Penta Mfg.; PMC.*

960 **p-Cresol**
106-44-5 2604 G H



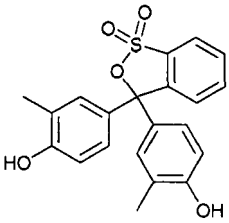
C_7H_8O
4-Methylphenol.
AI3-00150; CCRIS 647; Cresol, p-; 4-Cresol; p-Cresol; Cresol, p-isomer; Cresol, para-; p-Cresylic acid; EINECS 203-398-6; FEMA Number 2337; HSDB 1814; 1-Hydroxy-4-methylbenzene; 4-Hydroxytoluene; p-Hydroxytoluene; p-Kresol; 1-Methyl-4-hydroxybenzene; 4-Methylphenol; NSC 3696; p-Oxytoluene; Phenol, 4-methyl-; p-Toluol; p-Tolyl alcohol; RCRA waste number U052; UN2076. Disinfectant, phenolic resins, ore flotation; textile scouring agent; manufacture of coumarin and salicylaldehyde; herbicides, surfactants, synthetic food flavors. Liquid; mp = 35.5°; bp = 201.9°; d^{40} = 1.0185; λ_m = 279 nm (MeOH); slightly soluble in H_2O (2 g/100 ml), freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4; LD_{50} (rat orl) = 207 mg/kg. *Allchem Ind.; Am. Biorganics; Penta Mfg.; PMC; Spectrum Chem. Manufacturing*

961 **Cresol purple**
2303-01-7 2606 G



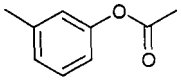
$C_{21}H_{18}O_5S$
Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[3-methyl-, S,S-dioxide.
m-Cresol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)di-, S,S-dioxide; Cresol purple; 3-Cresol purple; m-Cresol purple; m-Cresolsulfonephthalein; EINECS 218-960-6; NSC 9607; Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(3-methyl-, S,S-dioxide; Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis(3-methyl-. Used as an indicator. Solid; slightly soluble in EtOH; pH 1.2 red, pH 2.8 yellow, pH 7.4 yellow, pH 9.0 purple.

962 **Cresol red**
1733-12-6 2607 G



$C_{21}H_{18}O_5S$
4,4'-(3H-2,1-Benzoxathiol-3-ylidene)bis(2-methyl-phenol) S,S-dioxide.
o-Cresol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)di-, S,S-dioxide; Cresol Red; o-Cresol Red; o-Cresolsulfonephthalein; Cresolsulfophthalein; 3',3''-Dimethylphenolsulfonephthalein; EINECS 217-064-2; NSC 7224; Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2-methyl-, S,S-dioxide. A pH-sensitive dye, used as an indicator, range 7.2 (yellow), 8.8 (red), 2-3 (orange). Red-brown crystals; mp = 290° (dec); very soluble in H_2O, EtOH; pK 8.3.

963 **m-Cresyl Acetate**
122-46-3 2611 G D

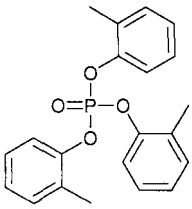


$C_9H_{10}O_2$
Acetic acid 3-methylphenyl ester.

Acetic acid, 3-methylphenyl ester; Acetic acid m-tolyl ester; m-Acetoxytoluene; AI3-04169; Cresatin; Cresatin Metacresylacetate; Cresatin-Sulzberger; m-Cresol acetate; m-Cresyl acetate; EINECS 204-546-2; Kresatin; 3-Methylphenyl acetate; m-Methylphenyl acetate; Metacresol acetate; NSC 4795; m-Tolyl acetate. Antiseptic (topical); antifungal. Used as an external antiseptic and analgesic. Oily liquid; bp = 212°; bp_{13} = 99°; d_4^{26} = 1.048; λ_m = 262.5, 269.5 nm (MeOH); insoluble in H_2O, glycerol; very soluble in alcohol, H_2O, $CHCl_3$, petroleum ether, C_6H_6; soluble in petrolatum (5%), cottonseed oil. *Merck & Co.Inc.*

964 Cresyl phosphate

1330-78-5 9832 G H



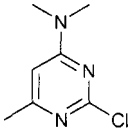
$C_{21}H_{21}O_4P$

Phosphoric acid, tris(methylphenyl) ester.

AI3-16771; Caswell No. 884; CCRIS 5947; Celluflex 179C; Cresyl phosphate; Disflamoll TKP; Durad; EINECS 215-548-8; EPA Pesticide Chemical Code 083401; Flexol Plasticizer TCP; Fyrquel 150; HSDB 6774; Imol S-140; IMOL S 140; Kronitex; Lindol; NCI-C61041; Phosflex 179A; Phosphate de tricresyle; Phosphoric acid, tris(methylphenyl) ester; Phosphoric acid, tritolyl ester; Syn-O-Ad® 8484; TCP; Thiorthocresyl phosphate; Tricresilfosfati; Tricresyl phosphate; Tricresylfosfaten; Trikresylfosfat; Trikresyl-phosphate; Tris(methylphenyl) phosphate; Tris(tolyl-oxy)phosphine oxide; Tritolyl phosphate; Tritolylfosfat; UN2574. Mixture of o, m and p-cresyl isomers. Antiwear and EP agents in non-crankcase lubricants; ferrous metal passivator; fluid base stock where inhibition of flame propagation is desired. A plasticizer for cellulose lacquers, and polyvinyl chloride; it has a specific gravity of 1.185-1.189, a boiling range of 430-440° and a flash point of 215°; mixture of o, m and p isomers (1:65:35). Liquid; bp_{10} = 265°; d_{23}^{25} = 1.16; insoluble in H_2O, soluble in organic solvents. *Akzo Chemie.*

965 Crimidine

535-89-7 2615 G



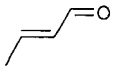
$C_7H_{10}ClN_3$

2-chloro-N,N,6-trimethyl-4-pyrimidinamine.

4-25-00-02184 (Beilstein Handbook Reference); 4-Pyrimidinamine, 2-chloro-N,N,6-trimethyl-; AI3-61801; BRN 0127995; Castrix; Castrix Grains; Caswell No. 188; 2-Chloor-4-dimethylamino-6-methyl-pyrimidine; 2-Chlor-4-dimethylamino-6-methylpyrimidin; 2-Chloro-4-dimethylamino-6-methylpyrimidine; 2-Chloro-4-methyl-6-dimethylaminopyrimidine; 2-Chloro-N,N-6-trimethyl-4-pyrimidinamine; 2-Chloro-N,N,6-trimethylpyrimidin-4-ylamine; 2-Cloro-4-di-metilamino-6-metil-pirimidina; Crimidin; Crimidina; Crimidine; EINECS 208-622-6; EPA Pesticide Chemical Code 288200; HSDB 2812; NSC 2017; Pyrimidine, 2-chloro-4-(dimethylamino)-6-methyl-; UN 2588; W 491. Rodenticide; used for control of field and house mice. Mode of action is similar to that of the strychnine alkaloids. Pyridoxine [58-56-0] is an antidote for crimidine poisoning in mice. Brown wax; mp = 87°; bp = 140-147°; insoluble in H_2O, very soluble in EtOH; LD_{50} (mus orl) = 1.8 mg/kg. *Bayer AG.*

966 Crotonaldehyde

4170-30-3 2624 H



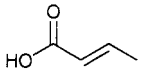
C_4H_6O

2-Butenaldehyde.

AI3-18303; CCRIS 909; Crotonal; Crotonaldehyde; Crotonic aldehyde; Crotylaldehyde; EINECS 224-030-0; 1-Formylpropene; HSDB 252; Krotonaldehyd; β-Methylacrolein; 3-Methylacrolein, inhibited; Methyl-propenal; NSC 56354; Propylene aldehyde; RCRA waste number U053; UN 1143. Liquid; mp = -76.5°; bp = 104°; d_{20}^{20} = 0.853; soluble in H_2O (18.1 g/100 ml 20°, 19.2 g/100 ml 5°), LD_{50} (rat orl) = 300 mg/kg.

967 Crotonic acid

107-93-7 2625 G



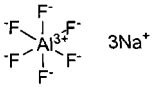
$C_4H_6O_2$

β-Methylacrylic acid.

4-02-00-01498 (Beilstein Handbook Reference); BRN 1719943; 2-Butenoic acid, (E)-; (E)-2-Butenoic acid; trans-2-Butenoic acid; (E)-Crotonic acid; Crotonic acid, (E)-; trans-Crotonic acid; EINECS 203-533-9; NSC 8751. Synthesis of resins, polymers, plasticizers, drugs. Prisms or needles; mp = 72°; bp = 184.7°; d^{77} = 0.9604; very soluble in H_2O (54.6 g/l), EtOH, soluble in Et_2O, Me_2CO, ligroin; LD_{50} (rat orl) = 1.0 g/kg. *Alcoa Ind. Chem.; Allchem Ind.; Chisso Corp. USA; Eastman Chem. Co.; Sigma-Aldrich Fine Chem.*

968 Cryolite

15096-52-3 2634 G P



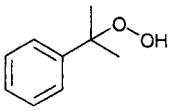
AlF_6Na_3

Aluminum sodium fluoride.

Aluminum sodium fluoride; Caswell No. 264; Cryolite; Cryolite ($AlNa_3F_6$); Cryolite ($Na_3(AlF_6)$); EINECS 239-148-8; ENT 24,984; EPA Pesticide Chemical Code 075101; Greenland spar; HSDB 1548; ICE Spar; Icetone; Koyoside; Kriolit; Kryalith; Kryocide; Kryolith; Natriumaluminiumfluorid; Natriumhexafluoro-alum-inate; Sodium aluminum fluoride; Kryocide; Kryolith]; Natriumaluminiumfluorid; Natriumhexa-fluoroalum-inate; ·sodium aluminofluoride; Sodium aluminum fluoride; Sodium fluoaluminate; trisodium hexa-fluoroaluminate(3-), (OC-6-11)-. Found in deposits in Greenland and Russia. Used in the aluminum industry as a source of the metal. Also used as an insecticide. Registered by EPA as an insecticide. Snow white monoclinic crystals; mp = 1000°; d = 2.95. *Amvac Chemical Corp.; Cerexagri, Inc.; Elf Atochem N. Am.; Gowan Co.*

969 Cumene hydroperoxide

80-15-9 G H



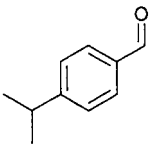
$C_9H_{12}O_2$

1-Methyl-1-phenylethyl hydroperoxide.

4-06-00-03221 (Beilstein Handbook Reference); BRN 1908117; CCRIS 3801; CHP; Cumeenhydroperoxyde; Cumene hydroperoxide; Cumenyl hydroperoxide; Cumolhydroperoxid; Cumolhydroperoxide; Cumyl hydroperoxide; EINECS 201-254-7; HSDB 254; Hydroperoxide, α,α-dimethylbenzyl; Hydroperoxide de cumene; Hydroperoxyde de cumene; Hydroperoxyde de cumyle; Idroperossido di cumene; Idroperossido di cumolo; Isopropylbenzene hydroperoxide; Kumenylhydroperoxid; RCRA waste number U096. Initiator for vinyl monomers and copolymers and the crosslinking of unsaturated polyester resins. Facilitates room temperature curing of vinyl ester and other unsaturated polyester resins. Liquid; mp = -40°; bp = 127° (dec); d = 1.024, insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 382 mg/kg. *Catalyst Resources Inc.; CK Witco Chem. Corp.*

970 Cuminaldehyde

122-03-2 2648 G



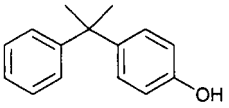
$C_{10}H_{12}O$

p-Isopropylbenzaldehyde.

4-07-00-00723 (Beilstein Handbook Reference); AI3-01853; Benzaldehyde, 4-(1-methylethyl)-; Benz-aldehyde, p-isopropyl-; BRN 0636547; Cumaldehyde; Cumic aldehyde; p-Cumic aldehyde; Cuminal; Cuminaldehyde; Cuminic aldehyde; Cuminyl aldehyde; EINECS 204-516-9; FEMA No. 2341; 4-Isopropylbenzaldehyde; p-Isopropylbenzaldehyde; 4-Isopropylbenzenecarboxylate; p-Isopropylbenzene-carboxaldehyde; 4-(1-Methylethyl)benzaldehyde; NSC 4886. Intermediate for pharmaceuticals, perfumes. Liquid; bp = 235.5°; d^{20} = 0.9755; λ_m = 255 nm (MeOH); insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1390 mg/kg. *Mitsubishi Gas.*

971 p-Cumyl phenol

599-64-4 G H



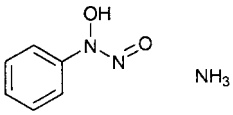
$C_{15}H_{16}O$

2-Phenyl-2-(p-hydroxyphenyl)propane.

4-06-00-04761 (Beilstein Handbook Reference); AI3-08269; BRN 1870517; 4-(α,α-Dimethylbenzyl)phenol; EINECS 209-968-0; 4-Hydroxydiphenyldimethyl-methane; 4-(1-Methyl-1-phenylethyl)phenol; NSC 6237; p-(α-Cumenyl)phenol; p-(α,α-Dimethylbenzyl)-phenol; p-Cumyl phenol; p-Cumylphenol; Phenol, 4-(1-methyl-1-phenylethyl)-; Phenol, p-(α,α-dimethyl-benzyl)-; 2-Phenyl-2-(p-hydroxyphenyl)propane. Intermediate for resins, insecticides, lubricants. Crystals; mp = 70-73°; bp = 335°. *Degussa-Hüls Corp.; ICI Spec.; PMC; Schenectady.*

972 Cupferron

135-20-6 2649 G



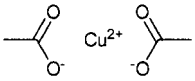
$C_6H_9N_3O_2$

N-Hydroxy-N-nitrosobenzenamine ammonium salt.

AI3-63016; Ammonium cupferron; Ammonium N-nitrosophenylhydroxylamine; Ammonium nitroso-β-phenylhydroxylamine; Benzenamine, N-hydroxy-N-nitroso-, ammonium salt; CCRIS 184; Cupferon; Cupferron; Cupferron, ammonium salt; EINECS 205-183-2; HSDB 4109; Hydroxylamine, N-nitroso-N-phenyl-, ammonium salt; Kupferon; Kupferron; N-Hydroxy-N-nitroso-benzenamine, ammonium salt; N-Nitroso-N-phenylhydroxylamine, ammonium salt; N-Nitrosofenylhydroxylamin amonny; N-Nitrosophenyl-hydroxylamin ammonium salz; NCI-C03258; NSC 112124. The ammonium salt is used as a precipitating agent for copper, in the determination of copper; used as an analytical reagent, especially for the separation and precipitation of metals, e.g., copper, iron, vanadium. Crystals; mp = 163.5°; λ_m = 221, 292 nm (MeOH); slightly soluble in DMSO, soluble in H_2O, EtOH.

973 Cupric acetate

142-71-2 2651 G



$C_4H_6CuO_4$

Copper(II) acetate.

Acetate de cuivre; Acetic acid, copper (2+) salt; Acetic acid, copper(II) salt (2:1); Acetic acid, cupric salt; AI3-01379; CCRIS 5286; Copper acetate; Copper acetate ($Cu(C_2H_3O_2)_2$); Copper acetate ($Cu(OAc)_2$); Copper diacetate; Copper(2+) acetate; Crystallized verdigris; Crystals of venus; Cupric acetate; Cupric acetate; Cupric diacetate; EINECS 205-553-3; HSDB 915; Neutral verdigris; NSC 75796; Octan mednaty; Venus copper. Basic copper acetate; it is usually a mixture of mono-, di- and tri-acetates of copper. Green verdigris consists chiefly of the basic acetate, $2(C_2H_3O_2)_2Cu_2O$. Blue verdigris consists mainly of the basic acetate, $(C_2H_3O_2)_2Cu_2O$. Used as a pesticide, catalyst, fungicide, pigments, manufacture of Paris green. Solid; mp = 115°; d = 1.882; soluble in H_2O, slightly soluble in organic solvents; LD_{50} (rat orl) = 0.71 g/kg. *Celtic Chem. Ltd.; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

974 Cupric acetoarsenite

12002-03-8 2653 G

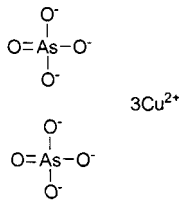
$C_4H_6As_6Cu_4O_{16}$

(Acetato)trimetaarsenitodicopper.

(Acetato-O)(trimetaarsenito)dicopper; (Acetato)trimeta-arsenitodicopper; Acetoarsenite de cuivre; Basle Green; C.I. 77410; C.I. Pigment Green 21; Caswell No. 229A; CCRIS 4771; CI 77410; Copper acetate arsenite; Copper aceto-arsenite; Copper acetoarsenite; Copper, bis(acetato)hexametaarsenitotetra-; Copper(II) acetate meta-arsenate; Cupric acetoarsenite; ENT 884; EPA Pesticide Chemical Code 022601; French Green; Genuine Paris Green; HSDB 1824; Imperial Green; King's Green; Meadow Green; Mineral Green; Mitis Green; Moss Green; Mountain Green; Neuwied Green; New Green; Ortho P-G bait; Paris Green; Parrot Green; Patent Green; Powder Green; Schweinfurt Green;

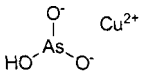
Schweinfurtergrün; Schweinfurth Green; Sowbug & cutworm bait; Sowbug cutworm control; Swedish Green; UN1585; Vienna Green; Wuerzberg Green; Zwickau Green. Used as a pigment, particularly in ships and submarines, and as a wood preservative and insecticide. Green crystalline powder, insoluble in H_2O, unstable in acid or base and with H_2S; LD_{50} (rat orl) = 100 mg/kg.

975 **Cupric arsenate**
7778-41-8 G



$As_2Cu_3O_8$
Copper(II)arsenate.
Arsenic acid (H3AsO4), copper(2+) salt (2:3); Cupar; Copper arsenate. Protective fungicide. *Mechema Chemicals Ltd.*

976 **Cupric arsenite**
10290-12-7 2654 G P

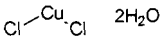


$AsCuHO_3$
Arsonic acid copper(2+) salt (1:1).
acid copper arsenite; Arsenious acid, copper(2+) salt (1:1); Arsonic acid, copper(2+) salt (1:1); Copper(I) arsenite; Cupric arsenite; Cupric arsenite ($CuHASO_3$); Pickle green; Scheele's green; Scheele's mineral. Used as a pigment, wood preservative, insecticide, fungicide, and rodenticide. Registered by EPA as a rodenticide (cancelled). Insoluble in H_2O, organic solvents.

977 **Cupric bromide**
7789-45-9 2656 G

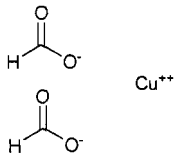
Br_2Cu
Copper(II) bromide.
Copper bromide ($CuBr_2$); Copper dibromide; Copper(II) bromide; Cupric bromide; EINECS 232-167-2; HSDB 257. Used in photography (intensifier), organic synthesis (brominating agent), battery electrolyte, wood preservative. Crystals; mp = 498°; bp = 900°; d_4^{20} = 4.710. *Atomergic Chemetals; Cerac; Hoechst Celanese; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

978 **Cupric chloride**
7447-39-4 2660 G



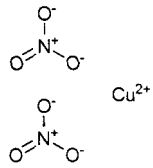
$Cl_2Cu.2H_2O$
Copper(II) chloride dihydrate.
AI3-01658; CCRIS 6883; Coclor; Copper bichloride; Copper chloride; Copper chloride ($CuCl_2$); Copper dichloride; Copper(2+) chloride; Copper(II) chloride; Copper(II) chloride (1:2); Coppertrace; Cupric chloride; Cupric dichloride; EINECS 231-210-2; HSDB 259; NSC 165706. Supplement, trace mineral. Used as a catalyst, deodorant and desulfurizer. Solid; mp = 100°; d = 2.51; freely soluble in H_2O, EtOH, less soluble in Me_2CO, EtOAc. *Armour Pharm. Co. Ltd.; Mechema Chemicals Ltd.*

979 **Cupric formate**
544-19-4 2666 G



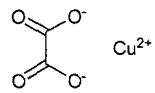
$C_2H_2CuO_4$
Copper(II) formate.
Copper diformate; Copper formate; Cupric diformate; Cupric formate; EINECS 208-865-8; Formic acid, copper(2+) salt (1:1); Formic acid copper(2+) salt; HSDB 260; NSC 112232; Tubercuprose; Cufor. Antibacterial agent used to treat cellulose. Light blue, royal blue or turquoise crystals; soluble in H_2O, insoluble in organic solvents. *Mechema Chemicals Ltd.*

980 **Cupric nitrate**
3251-23-8 2671 G P



CuN_2O_6
Cupper(II) nitrate.
Caswell No. 246; Claycop; Copper dinitrate; Copper nitrate; Copper(2+) nitrate; Copper(II) nitrate; Cupric dinitrate; Cupric nitrate; EINECS 221-838-5; EPA Pesticide Chemical Code 076102; HSDB 264; Nitric acid, copper(2+) salt. Used in light-sensitive papers, as an analytical reagent, textile dyeing mordant, nitrating agent, insecticide, coloring copper black, electroplating, paints, varnishes, enamels, pharmaceuticals, catalyst. Has been used as a fungicide. Registered by EPA as a fungicide and herbicide (cancelled). Large blue-green orthorhombic crystals; mp = 255 - 256°; sublimes 150 - 225°; soluble in H_2O, EtOAc, dioxane, Et_2O (reacts); [trihydrate]: blue rhombic plates; mp = 114.5°; d = 2.05; freely soluble in H_2O, EtOH, insoluble in EtOAc; pH of 0.2M aqueous solution = 4.0; LD_{50} (rat orl) = 940 mg/kg; [hexahydrate]: blue prismatic crystals; dec. (to trihydrate) 6.4°; freely soluble in H_2O, soluble in EtOH. *Blythe, Williams Ltd.; Mallinckrodt Inc.*

981 **Cupric oxalate**
814-91-5 2673 G



C_2CuO_4
Oxalic acid copper(II) salt.
Caswell No. 248A; Copper oxalate; Copper oxalate (CuC_2O_4); Copper(II) oxalate; Crow Chex; Cupric oxalate; EINECS 212-411-4; EPA Pesticide Chemical Code 023305; Ethanedioic acid copper salt; Ethanedioic acid, copper(2+) salt (1:1); HSDB 265; NSC 112246;

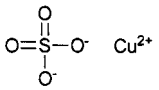
NSC 86015; Oxalic acid, copper(2+) salt (1:1). Active ingredient: copper oxalate; seed protectant to prevent sprout pulling by birds in newly planted corn. Solid; mp = 310° (dec); insoluble in H_2O, organic solvents. *Borderland Products Inc.*

982 **Cupric oxide**
1317-38-0 2674 G P

Cu=O

CuO
Copper(II) oxide.
Banacobru ol; Black copper oxide; Boliden-CCA Wood Preservative; Boliden Salt K-33; C.I. 77403; C.I. Pigment Black 15; Caswell No. 265; CCA Type C Wood Preservative; Chrome Brown; Copacaps; Copper Brown; Copper monooxide; Copper oxide; Copper oxide (CuO); Copper(2+) oxide; Copper(II) oxide; Copporal; Cupric oxide; EINECS 215-269-1; EPA Pesticide Chemical Code 042401; Farboil Super Tropical Anti-Fouling 1260; HSDB 266; Natural tenorite; NSC 83537; Osmose K-33 Wood Preservative; Osmose K-33-A Wood Preservative; Osmose K-33-C Wood Preservative; Osmose P-50 Wood Preservative; Paramelaconite; Wolmanac concentrate. Ceramic colorant, reagent in analytical chemistry, fungicide, insecticide, catalyst, purification of hydrogen, batteries and electrodes, electroplating, solvent, desulfurizing oils, rayon, metallurgical and welding fluxes, antifouling paints, phosphors. Brown crystalline powder; d_4^{14}= 6.315; insoluble in H_2O, EtOH. *Am. Chemet; Cerac; Chemisphere; Nihon Kagaku Sangyo; Noah Chem.; Sigma-Aldrich Fine Chem.*

983 **Cupric sulfate**
7758-98-7 2682 D G P



CuO4S
Copper(II) sulfate anhydrous.
All Clear Root Destroyer; Aqua Maid Permanent Algaecide; Aquatronics Snail-A-Cide Dri-Pac Snail Powder; BCS copper fungicide; Blue Copper; Blue stone; Blue vitriol; Bonide Root Destroyer; CCRIS 3665; Copper(II) sulfate; Copper(II) sulfate (1:1); Copper monosulfate; Copper sulfate; Copper sulphate; Copper(2+) sulfate; Cupric sulfate; Cupric sulfate anhydrous; Cupric sulphate; Delcup; EINECS 231-847-6; Granular Crystals Copper Sulfate; HSDB 916; Hylinec; Incracide 10A; Incracide E 51; Kupfersulfat; MAC 570; Monocopper sulfate; NSC 57630; Phelps Triangle Brand Copper Sulfate; Roman vitriol; Sa-50 Brand Copper Sulfate Granular Crystals; Snow Crystal Copper Sulfate; Sulfate de cuivre; Sulfuric acid, copper(2+) salt (1:1); Tobacco States Brand Copper Sulfate; Trinagle. Occurs as the mineral chalcanthite. Used as a soil additive, pesticides, feed additive, germicides, textile mordant, leather, pigments, batteries, electroplated coatings, copper salts, analytical reagent, medicine, wood preservative, lithography, ore flotation, petroleum, rubber, steel. Registered by EPA as a fungicide. Used as a fungicide and in manufacture of agricultural fungicides and many industrial products. Mixed with lime, effective against *Phytophthora infestans*, the cause of potato blight. Used medicinally as an antiseptic; antifungal(topical); antidote to phosphorus. Used in veterinary medicine as a mineral source, anthelmintic, emetic and fungicide. Gray-green-white rhombic crystals; dec. 360°; $sg^{15.6}$ = 2.286; soluble in H_2O (14.8 g/100 ml at 0°, 23 g/100 ml at 25°, 33.5 g/100 ml at 50°, 73.6 g/100 ml at 100°), MeOH (15.6 g/100 ml), glycerol, insoluble in EtOH; LD_{50} (rat orl) = 960 mg/kg; toxic to fish. *Allchem Ind.; Farleyway Chem. Ltd.; Generic; Helena Chemical Co.; Industrias Quimicas del Valles SA; McKechnie Chemicals Ltd.; Seaboard Ind.*

984 **Cupric sulfate, basic**
1332-14-5 2683 G

$Cu_4H_6O_{10}S$
Copper(II) hydroxide sulfate.
Brochantite; Caldo Bordeles Valles; Cupric sulfate, basic; Cusatrib; EINECS 215-568-7; Langite; Sulfuric acid, copper(2+) salt, basic; Tribasic copper sulfate. Bordeaux mixture plus adjuvants; wettable powder used as protective fungicide for foliage application to ornamental and crop plants. Used as a fungicide for plants, seed treatment. Blue-green crystals; insoluble in H_2O. *Industrias Quimicas del Valles SA; Mechema Chemicals Ltd.*

985 **Cuprous bromide**
7787-70-4 2689 G

Cu—Br

CuBr
Copper(I) bromide.
Copper bromide (CuBr); Copper monobromide; Copper(1+) bromide; Copper(I) bromide; Cuprous bromide; EINECS 232-131-6; HSDB 270. Used as a catalyst in organic reactions. Solid; mp = 504°; bp ▪ 1345°; d_4^{25}= 4.72; slightly soluble in H_2O. *Atomergic Chemetals; Cerac; Hoechst Celanese; Sigma-Aldrich Fine Chem.*

986 **Cuprous chloride**
7758-89-6 2690 G P

Cu—Cl

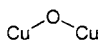
ClCu
Copper(I) chloride.
Chlorid medny; Copper chloride; Copper chloride (CuCl); Copper monochloride; Copper(1+) chloride; Copper(I) chloride; Cuprous chloride; Dicopper dichloride; EINECS 231-842-9. Catalyst, preservative and fungicide, desulfurizing and decolorizing agent for petroleum industry, absorbent for carbon monoxide. Registered by EPA as a fungicide. Used in non-food applications. White crystalline powder; mp = 430°; d_4^{25}= 4.14; slightly soluble in H_2O. *Atomergic Chemetals; Cerac; Hoechst Celanese; Mallinckrodt Inc.; Mechema Chemicals Ltd.; Nihon Kagaku Sangyo; ZinderSpA.*

987 **Cuprous iodide**
7681-65-4 2692 G

Cu—I

CuI
Copper(I) iodide.
Copper (I) iodide; Copper iodide (CuI); Copper monoiodide; Copper(1+) iodide; Copper(I) iodide; Cuprous iodide; EINECS 231-674-6; EPA Pesticide Chemical Code 108301; HSDB 271; Hydro-Giene; Natural marshite. Used as a feed additive, in table salt as source of dietary iodine, catalyst, in cloud seeding. Solid; mp ▪ 588-606°; bp= 1290°; d_4^{25}= 5.63; insoluble in all solvents. *Atomergic Chemetals; Blythe, Williams Ltd.; Cerac; Greeff R.W. & Co.; Mitsui Toatsu; Nihon Kagaku Sangyo; Sigma-Aldrich Fine Chem.*

988 **Cuprous oxide**
1317-39-1 2694 G

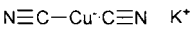


Cu_2O
Copper(I) oxide.
Brown copper oxide; C.I. 77402; Caocobre; Caswell No. 266; CCRIS 2289; CI 77402; Cobre; Copox; Copper (I) oxide; Copper

hemioxide; Copper nordox; Copper oxide; Copper oxide (Cu_2O); Copper oxide, red; Copper protoxide; Copper Sandoz; Copper sardez; Copper suboxide; Copper(1+) oxide; Copper(I) oxide; CP Cuprous Oxide Pigment Grade; Cupper oxide; Cupramar; Cupridan; Cuprocide; Cuprous oxide; Cuprous Oxide, AA Grade; Cuprous Oxide Type Two; Cuprox; Dicopper monoxide; Dicopper oxide; EINECS 215-270-7; Fungi-rhap Cu-75; Fungimar; HSDB 1549; Kupferoxydul; Kuprite; Nordox; NSC 83538; Oleo nordox; Oleocuivre; Oxyde cuivreux; Perecot; Perenex; Perenox; Purple Copp 92; Purple Copp 97; Purple Copp 97N; Red Copp 92; Red Copp 97; Red Copp 97N; Red copper oxide; Ruby ore; Violet copper; Yellow compound; Yellow cuprocide; Copper oxide. Fungicide. Cubic crystals; mp = 1232°; bp = 1800°; d = 6.000; LD_{50} (rat orl) = 0.47 g/kg. *Makhteshim Chemical Works Ltd.*

989 Cuprous potassium cyanide

13682-73-0 2695 G



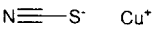
C_2CuKN_2

Copper(I) potassium cyanide.

Copper(I) potassium cyanide; Cuprate(1-), dicyano-, potassium; Cuprous potassium cyanide; EINECS 237-192-2; Potassium copper(i) cyanide; Potassium cuprocyanide; Potassium dicyanocuprate; Potassium dicyanocuprate(1-); UN1679. A double cyanide of potassium and copper used in electroplating copper and brass. Prisms; d = 2.38; insoluble in H_2O, soluble in DMSO.

990 Cuprous thiocyanate

1111-67-7 2699 G



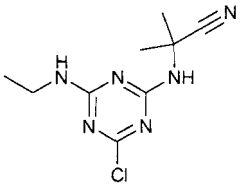
CCuNS

Copper(I) thiocyanate.

Caswell No. 266A; Copper thiocyanate; Copper(1+) thiocyanate; Cuprous thiocyanate; Cusyd; EINECS 214-183-1; EPA Pesticide Chemical Code 025602; Thiocyanic acid, copper(1+) salt. Used as marine anti-fouling agent. Solid; d = 2.85; insoluble in H_2O, organic solvents. *Mechema Chemicals Ltd.*

991 Cyanazine

21725-46-2 2714 G H P



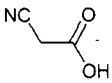
$C_9H_{13}ClN_6$

Propanenitrile, 2-[[4-chloro-6-(ethylamino)-1,3,5-tri-azin-2-yl]amino]-2-methyl.

5-26-08-00471 (Beilstein Handbook Reference); Bladex; Bladex 80WP; Blanchol; BRN 0615509; Caswell No. 188C; CCRIS 6823; 2-((4-Chloro-6-(ethylamino)-s-triazin-2-yl)amino)-2-methylpropio-nitrile; 2-(4-Chloro-6-ethylamino-1,3,5-triazin-2-yl-amino)-2-methylpropionitrile; 2-Chloro-4-(1-cyano-1-methylethylamino)-6-ethylamine-1,3,5-triazine; 2-Chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-s-triazine; Cyanazin; Cyanazine; DW3418; EPA Pesticide Chemical Code 100101; Fortrol; HSDB 6842; Payze; Propanenitrile,2-((4-chloro-6-(ethylamino)-1,3,5-triazin-2-yl)amino)-2-methyl-; Propionitrile, 2-((4-chloro-6-(ethylamino)-s-triazin-2-yl)amino)-2-methyl-; SD 15418; s-Triazine, 2-chloro-4-ethylamino-6-(1-cyano-1-methyl)ethylamino-; WL 19805. Selective systemic herbicide, absorbed by roots and foliage. Used for control of annual grass and broad-leaved weeds. Registered by EPA as a herbicide (cancelled). White crystals; mp ■167.5-169°; soluble in H_2O (0.0171 g/100 ml), methylcyclohexanone (21 g/100 ml), $CHCl_3$ (21 g/100 ml), Me_2CO (19.5 g/100 ml), EtOH (4.5 g/100 ml), C_6H_6 (1.5 g/100 ml), C_6H_{12} (1.5 g/100 ml), CCl_4 (< 1 g/100 ml); LD_{50} (rat orl) = 182 - 334 mg/kg, (mus orl) = 380 mg/kg, (rbt orl) = 141 mg/kg, (rat der) >1200 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) > 2000 mg/kg, (quail orl) = 400 mg/kg; LC_{50} (harlequin fish 48 hr.) = 10 mg/l, (sheepshead minnow 48 hr.) = 18 mg/l; non-toxic to bees. *DuPont; Shell UK; Shell.*

992 Cyanoacetic acid

372-09-8 2718 H



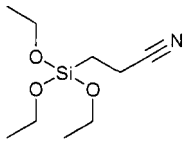
$C_3H_3NO_2$

Monocyanoacetic acid.

4-02-00-01888 (Beilstein Handbook Reference); Acetic acid, cyano-; Acide cyanacetique; AI3-15026; BRN 0506325; Cyanessigsäure; Cyanoacetic acid; EINECS 206-743-9; HSDB 272; Kyselina kyanoctova; Malonic acid mononitrile; Malonic mononitrile; Monocyanoacetic acid; NSC 5571; USAF KF-17. Solid; mp ■ 66°; bp ■ 160° (dec), $bp_{0.15}$ = 108°; λ_m = 208 nm (ε = 40, EtOH); slightly soluble in $CHCl_3$, AcOH, soluble in H_2O, EtOH, Et_2O, DMSO.

993 β-Cyanoethyltriethoxysilane

919-31-3 H



$C_9H_{19}NO_3Si$

3-(Triethoxysilyl)propionitrile.

4-04-00-04271 (Beilstein Handbook Reference); AI3-51457; BRN 1776392; EINECS 213-050-5; HSDB 5768; NSC 77092; Propanenitrile, 3-(triethoxysilyl)-; Silane, (2-cyanoethyl)triethoxy-; Triethoxy-2-kyanethylsilan; 3-(Triethoxysilyl)propionitrile.

994 Cyanogen bromide

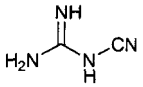
506-68-3 2723 G

CBrN

Bromine cyanide.

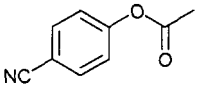
4-03-00-00092 (Beilstein Handbook Reference); AI3-28715; BRN 1697296; Bromine cyanide; Bromocyan; Bromocyane; Bromocyanide; Bromocyanogen; Bromure de cyanogen; Campilit; Cyanobromide; Cyanogen bromide; Cyanogen monobromide; EINECS 208-051-2; HSDB 708; NSC 89684; RCRA waste number U246; TL 822; UN1889. Organic synthesis, parasiticide, fumigating compositions, rat extermination, cyaniding reagent in gold extraction processes. Needles; mp = 52°; bp = 61-62°; d_4^{20} = 2.015; soluble in H_2O, EtOH, Et_2O. *Alcoa Ind. Chem.; Eastman Chem. Co.; Janssen Chimica; Sigma-Aldrich Fine Chem.*

995 **Cyanoguanidine**
461-58-5 3119 G H



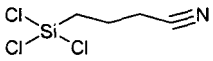
$C_2H_4N_4$
Dicyanodiamide.
ACR-H 3636; AI3-14632; Araldite HT 986; Araldite XB 2879B; Araldite XB 2979B; Bakelite VE 2560; CCRIS 3478; Cyanoguanidine; N-Cyanoguanidine; Dicyan-diamide; Dicyandiamido; Dicyandiamin; Dicyanodi-amide; EINECS 207-312-8; Epicure DICY 15; Epicure DICY 7; Guanidine, cyano-; HSDB 2126; NSC 2031; Pyroset DO; XB 2879B. Used in fertilizers; nitrocellulose stabilizer; organic synthesis, especially of melamine, barbituric acid, and guanidine salts; explosives; catalyst for epoxy resin; pharmaceuticals; fireproofing compounds; stabilizer in detergents; modifier for starch production. Crystals; mp = 211°; (eutectic with cyanamide at 35.6°); d^{14} = 1.404; λ_m = 217 nm (ε = 1500, MeOH), 217 nm (ε = 14700, MeOH-KOH, 217 nm (ε = 14900, MeOH-HCl); insoluble in C_6H_6, CS_2, CCl_4, $CHCl_3$, Et_2O, slightly soluble in EtOAc, soluble in H_2O, EtOH, Me_2CO. *Akzo Chemie; Andrulex Trading Ltd.*

996 **p-Cyanophenyl acetate**
13031-41-9 H



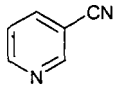
$C_9H_7NO_2$
4-(Acetyloxy)benzonitrile.
4-(Acetyloxy)benzonitrile; Benzonitrile, 4-(acetyloxy)-; Benzonitrile, p-hydroxy-, acetate (ester); 4-Cyanophenyl acetate; p-Cyanophenyl acetate; EINECS 235-893-8.

997 **3-Cyanopropyltrichlorosilane**
1071-27-8 G



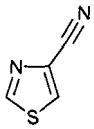
$C_4H_6Cl_3NSi$
Trichloro-3-cyanopropylsilane.
4-04-00-04272 (Beilstein Handbook Reference); BRN 0906924; Butanenitrile, 4-(trichlorosilyl)-; Butyro-nitrile, 4-(trichlorosilyl)-; CC3555; 4-Cyanobutyl-trichlorosilane; (3-Cyanopropyl) trichlorosilane; EINECS 213-990-6; σ-Cyanopropyltrichlorosilane; Silane, (3-cyanopropyl)trichloro-; Silane, trichloro(3-cyanopropyl)-; Trichlor-3-kyanpropylsilan; 4-(Trichlorosilyl)butyronitrile; 4-Trichlorosilylbutane-nitrile; CC3555. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_8 = 94°; d = 1.2800; LD_{50} (rat orl) = 2830 mg/kg. *Degussa-Hüls Corp.*

998 **3-Cyanopyridine**
100-54-9 H



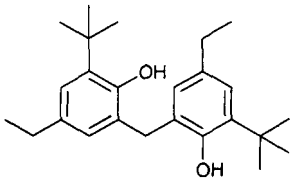
$C_6H_4N_2$
3-Pyridinecarbonitrile.
5-22-02-00115 (Beilstein Handbook Reference); AI3-15766; BRN 0107711; EINECS 202-863-0; HSDB 5335; Nicotinic acid nitrile; Nicotinonitrile; Nitryl kwasu nikotynowego; NSC 17558. Crystals; mp = 51°; bp = 206.9°, bp_{300} = 170°; d^{25} = 1.1590; λ_m = 216, 225, 258, 264, 270 nm (MeOH); slightly soluble in ligroin, soluble in $CHCl_3$, very soluble in C_6H_6, EtOH, Et_2O.

999 **4-Cyanothiazole**
1452-15-9 H



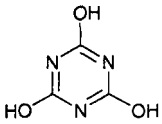
$C_4H_2N_2S$
4-Thiazolecarbonitrile.
4-Cyanothiazole; 4-Thiazolecarbonitrile; EINECS 215-919-4; HSDB 5829.

1000 **Cyanox® 425**
88-24-4 G



$C_{25}H_{36}O_2$
2,2'-Methylenebis (4-ethyl-6-*tert*-butylphenol).
4-06-00-06806 (Beilstein Handbook Reference); Agidol 7; AI3-25275; Antage W 500; Antioxidant 425; AO 425; Bis(2-hydroxy-3-t-butyl-5-ethylphenyl)-methane; Bis(3-t-butyl-5-ethyl-2-hydroxyphenyl)-methane; 6,6'-Di-t-butyl-4,4'-diethyl-2,2'-methylene-diphenol; BRN 2016207; CCRIS 7788; Chemanox 22; Cyanox 425; EINECS 201-814-0; HSDB 5257; 2,2-Methylenebis(4-ethyl-6-t-butylphenol); 2,2'-Methylene-bis(4-ethyl-6-t-butylphenol); Nocrac NS 5; NSC 7782; Phenol, 2,2'-methylenebis(6-(1,1-dimethylethyl)-4-ethyl-; Phenol, 2,2'-methylenebis(6-t-butyl-4-ethyl-; Plastanox 425; Plastanox 425 antioxidant; USAF CY-6; Yoshinox 425. Antioxidant for impact molding resins; stabilizes acrylics and ABS; end-uses include extruded and molded products. *Am. Cyanamid; Ciba-Geigy Corp.*

1001 **Cyanuric acid**
108-80-5 2728 G P

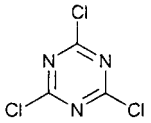


$C_3H_3N_3O_3$
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione.

AI3-26483; Caswell No. 862; CCRIS 5895; CP 4789; Cyanuric acid; s-Cyanuric acid; EINECS 203-618-0; EPA Pesticide Chemical Code 081402; HSDB 2818; Isocyanurate acid; Isocyanuric acid; Kyselina kyanurova; normal Cyanuric acid; NSC 6284; Pseudocyanuric acid; sym-Triazinetriol; Tricarbimide; Tricyanic acid; Trihydroxy-1,3,5-triazine; Trihydroxycyanidine; Tri-hydroxytriazine; Zeonet A. Intermediate for chlorinated bleaches, selective herbicide, whitening agents. Used to stabilize chlorine solutions in swimming pools; bleaches, sanitizers. Curing agent for Nipol AR and HyTemp 4050 series polyacrylate elastomers. Registered by EPA as an antimicrobial and disinfectant (cancelled). White crystals; mp > 330°; pKa_1 = 6.88, pKa_2 = 11.40, pKa_3 ▫ 13.50; λ_m = 214 nm (log ε 3.38 0.1M HCl), 214 nm (log ε 4.00 0.1N phosphate buffer, pH 7), 213 nm (log ε 4.64 0.1M NaOH); slightly soluble in Me_2CO, Et_2O, C_6H_6, EtOH, C_6H_{14}, DMF (7.2 g/100 ml), DMSO (17.4 g/100 ml), H_2O (0.2 g/100 ml at 25°, 2.6 g/100 ml at 90°, 10.0 g/100 ml at 150°; d^{25} = 1.75 (anhydrous), 1.66 (dihydrate); LD_{50} (rat orl) > 5000 mg/kg. *3V; Allchem Ind.; Fluka; Monsanto Co.; Nippon Zeon.*

1002 Cyanuric chloride

108-77-0 H



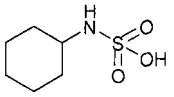
$C_3Cl_3N_3$

1,3,5-Trichlorotriazine.

5-26-01-00311 (Beilstein Handbook Reference); AI3-17788; BRN 0124246; Chlorotriazine; Cyanur chloride; Cyanurchloride; Cyanuric acid chloride; Cyanuric acid trichloride; Cyanuric chloride; Cyanuryl chloride; EINECS 203-614-9; HSDB 2905; Kyanurchlorid; NSC 3512; 1,3,5-Triazine, 2,4,6-trichloro-; s-Triazine, 2,4,6-tri-chloro-; Trichlorocyanidine; Tricholorotriazine; Trichloro-s-triazine; 1,3,5-Trichlorotriazine; 2,4,6-Trichlorotriazine; 2,4,6-Trichloro-1,3,5-triazine; 2,4,6-Trichloro-s-triazine; Tricyanogen chloride; UN2670. Crystals; mp = 154°; bp = 192°; very soluble in EtOH.

1003 Cyclamic acid

100-88-9 2731 G



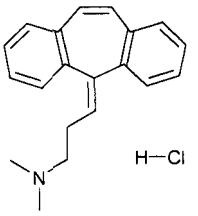
$C_6H_{13}NO_3S$

Cyclohexylsulfamic acid.

4-12-00-00102 (Beilstein Handbook Reference); BRN 2208885; Cyclamate; Cyclamic acid; Cyclohexane-sulfamic acid; Cyclohexanesulphamic acid; Cyclohexyl-amidosulfuric acid; Cyclohexylamidosulphuric acid; Cyclohexylamine sulfamic acid; Cyclohexylaminesulfonic acid; Cyclohexylaminesulphonic acid; Cyclohexylsulf-amic acid; Cyclohexylsulphamic acid; EINECS 202-898-1; Hexamic acid; HSDB 275; N-Cyclohexylsulfamic acid; N-Cyclohexylsulphamic acid; NSC 220327; Polycat 200; Sucaryl; Sucaryl acid; Sulfamic acid, cyclohexyl-; Sulfuric acid monoamide, N-cyclohexyl-. Used as a non-nutritive sweetener and acidulant. mp = 169.5°; sparingly soluble in H_2O, soluble in alkaline solutions; LD_{50} (rat orl) = 15.25 g/kg.

1004 Cyclobenzaprine

303-53-7 2742 D



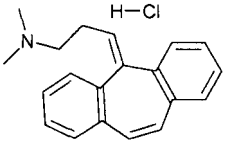
$C_{20}H_{21}N$

N,N-Dimethyl-5H-dibenzo[a,d]cycloheptene-$\Delta^{5,\gamma}$-propyl-amine.

9715 R.P.; Ciclobenzaprina; Cyclobenzaprine; Cyclo-benzaprinum; EINECS 206-145-8; MK-130; Proeptatriene; Proheptatrien; Proheptatriene; Ro 4-1577; RP-9715; Yurelax. Anxiolytic; skeletal muscle relaxant. bp_1 = 175-180°; λ_m = 224, 289 nm (log ε = 4.57, 4.02). *Apothecon; Hoffmann-LaRoche Inc.; Merck & Co.Inc.*

1005 Cyclobenzaprine Hydrochloride

6202-23-9 2742 D



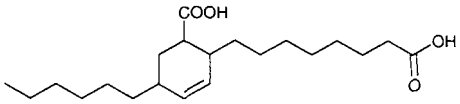
$C_{20}H_{22}ClN$

N,N-Dimethyl-5H-dibenzo[a,d]cycloheptene-$\Delta^{5,\gamma}$-propyl-amine hydrochloride.

10,11δ-Amitriptyline hydrochloride; Cloben; Cyben; Cyclobenzaprine hydrochloride; Cycloflex; 3-(5H-Dibenzo(a,d)cyclohepten-5-ylidene)propyl(dimethyl)-ammonium chloride; 5H-Dibenzo(a,d)cycloheptene-Δ^5-γ-propylamine, N,N-dimethyl-, hydrochloride; 5-(3-Dimethylaminopropylidene)-5H-dibenzo-(a,d)cyclo-heptene hydrochloride; N,N-Dimethyl-5H-dibenzo-(a,d)cycloheptene-$\Delta^{5,\gamma}$-propylamine hydrochloride; EINECS 228-264-4; Flexeril; Flexeril hydrochloride; Flexiban; Lisseril; MK-130 HCl; MK 130 hydrochloride; Novo-Cycloprine; NSC 78206; NSC 169900; NSC 173379; Proheptatrien monohydrochloride; Proheptatriene hydrochloride; Proheptatriene monohydrochloride; 1-Propanamine, 3-(5H-dibenzo(a,d)cyclohepten-5-ylid-ene)-N,N-dimethyl-, hydrochloride; Tensodox. Anxiolytic; skeletal muscle relaxant. mp = 216-218°; soluble in H_2O (> 20 g/100ml); soluble in MeOH, EtOH; less soluble in iPrOH, $CHCl_3$, CH_2Cl_2; insoluble in hydrocarbons; λ_m = 226, 295 nm (ε 52300, 12000); LD_{50} (mus iv) = 35 mg/kg, (mus orl) ▫ 250 mg/kg. *Apothecon; Hoffmann-LaRoche Inc.; Merck & Co.Inc.*

1006 Cyclocarboxypropyloleic acid

53980-88-4 H

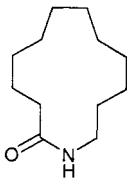


$C_{21}H_{36}O_4$

5(or 6)-Carboxy-4-hexyl-2-cyclohexene-1-octanoic acid.

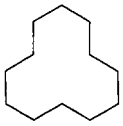
C_{21}-Dicarboxylic acid; 5(or 6)-Carboxy-4-hexyl-2-cyclo-hexene-1-octanoic acid; Cyclocarboxypropyloleic acid; 2-Cyclohexene-1-octanoic acid, 5(or 6)-carboxy-4-hexyl-; EINECS 258-897-1.

1007 **Cyclododecalactam**
947-04-6 H



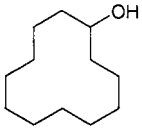
$C_{12}H_{23}NO$
12-Aminododecanoic acid lactam.
5-21-06-00566 (Beilstein Handbook Reference); 12-Aminododecanoic acid lactam; Azacyclotridecan-2-one; BRN 0122031; Cyclododecalactam; ω-Dodecalactam; Dodecane-12-lactam; Dodecyllactam; EINECS 213-424-8; HSDB 5774; Laurin lactam; Laurinolactam; ω-Laurolactam; Lauryl lactam; NSC 77100.

1008 **Cyclododecane**
294-62-2 8076 H



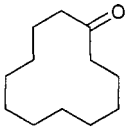
$C_{12}H_{24}$
Cyclododecane.
4-05-00-00169 (Beilstein Handbook Reference); BRN 1901008; Cyclododecane; EINECS 206-033-9; HSDB 5557. Needles; mp = 60.4°; bp = 247°; d^{80} = 0.82

1009 **Cyclododecanol**
1724-39-6 H



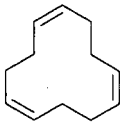
$C_{12}H_{24}O$
Cyclododecanol.
Cyclododecanol; EINECS 217-031-2; HSDB 5850; NSC 524960.

1010 **Cyclododecanone**
830-13-7 H



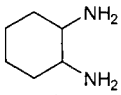
$C_{12}H_{22}O$
Cyclododecanone.
Cyclododecanone; EINECS 212-595-6; HSDB 5762; NSC 77116. Crystals; mp = 59°; bp_{12} = 126-128°; d^{66} = 0.9059. 6

1011 **1,5,9-Cyclododecatriene**
4904-61-4 H



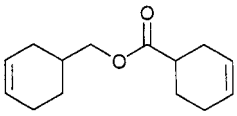
$C_{12}H_{18}$
1,5,9-Cyclododecatriene.
(Z,E,E)-CDT; 1,5,9-Cyclododecatriene; 1,5,9-Cyclo-dodecatriene (Z,E,E); AI3-26695; CDT; EINECS 225-533-8; HSDB 6481; NSC 72433; UN2518. Liquid; mp = -17°; bp = 240°; d^{100} = 0.84.

1012 **Cyclohex-1,2-ylenediamine**
694-83-7 G H



$C_6H_{14}N_2$
1,2-Diaminocyclohexane.
0-13-00-00001 (Beilstein Handbook Reference); 1,2-Cyclohexanediamine; 1,2-Diaminocyclohexane; BRN 0506142; Cyclohex-1,2-ylenediamine; EINECS 211-776-7; HSDB 5748. High-quality polyamine; epoxy curing agent; chelating agent for oilfield, textile, water treatment, detergent fields; herbicide intermediate; polyamide resins for adhesives, films, plastics, inks and corrosion inhibitors. Used as a chemical intermediate. *DuPont; Milliken Chemical; Pacific Anchor Co.; Sigma-Aldrich Fine Chem.*

1013 **Cyclohex-3-enylmethyl cyclohex-3-ene-carboxylate**
2611-00-9 H



$C_{14}H_{20}O_2$
3-Cyclohexenylmethyl 3-cyclohexenecarboxylate.
Cyclohex-3-enylmethyl cyclohex-3-enecarboxylate; 3-Cyclohexene-1-carboxylic acid, 3-cyclohexen-1-ylmethyl ester; 3-Cyclohexenyl 3-cyclohexene 1-carboxylate; 3-Cyclohexenylmethyl 3-cyclohexenecarboxylate; Diene 221; EINECS 220-031-5; HSDB 5887; NSC 49615.

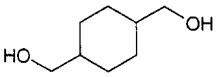
1014 **Cyclohexane**
110-82-7 2752 G H

C_6H_{12}
Cyclohexane.
AI3-08222; Benzene, hexahydro-; Benzenehexahydride; Caswell No. 269; CCRIS 3928; Cicloesano; Cyclohexaan; Cyclohexan; Cyclohexane; Cykloheksan; EINECS 203-806-2; EPA Pesticide Chemical Code 025901; Hexahydrobenzene; Hexamethylene; Hexanaphthene; HSDB 60; NSC 406835; RCRA waste number U056; UN1145. Used in manufacture of nylon; solvent for cellulose ethers, fats, oils, waxes; paint and varnish remover; glass substitutes; in analytic chemistry; chemical intermediate; in fungicidal formulations. Mobile liquid; mp = 6.6°; bp = 80.7°; d^{20} = 0.7785; insoluble in H_2O, freely soluble in EtOH; Et_2O, Me_2CO, C_6H_6, CCl_4,

ligroin. *ExxonMobil Chem. Co.; Phillips 66; Texaco.*

1015 Cyclohexane-1,4-dimethanol

105-08-8 H



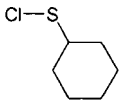
$C_8H_{16}O_2$

1,4-Cyclohexanedimethanol.

AI3-28853; 1,4-Bis(hydroxymethyl)cyclohexane; BRN 1902271; CHDM; 1,4-Chidm; Cyclohex-1,4-ylenedimethanol; Cyclohexane-1,4-dimethanol; 1,4-Cyclohexamethylenebis methylol; 1,4-Cyclohexane-dimethanol; 1,4-Dimethylolcyclohexane; EINECS 203-268-9; HSDB 5364; NSC 44508; Rikabinol DM.

1016 Cyclohexanesulfenyl chloride

17797-03-4 H

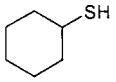


$C_6H_{11}ClS$

Cyclohexanesulfenyl chloride.

1017 Cyclohexanethiol

1569-69-3 H



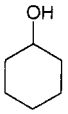
$C_6H_{12}S$

Cyclohexyl mercaptan.

4-06-00-00072 (Beilstein Handbook Reference); BRN 1236342; Cyclohexanethiol; Cyclohexyl mercaptan; Cyclohexyl thiol; Cyclohexylmercaptan; Cyclohexylthiol; Cyklohexanthiol; Cyklohexylmerkaptan; EINECS 216-378-7; HSDB 5840; NSC 59723; UN3054. Liquid; bp ▪ 158.9°; d^{20} = 0.9782; λ_m = 230 nm (ε = 155, cyclohexane); freely soluble in Me_2CO, C_6H_6, EtOH. Et_2O.

1018 Cyclohexanol

108-93-0 2754 G H



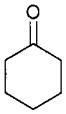
$C_6H_{12}O$

Hydroxycyclohexane.

4-06-00-00020 (Beilstein Handbook Reference); Adronal; Adronol; AI3-00040; Anol; BRN 0906744; CCRIS 5896; Cicloesanolo; Cyclohexanol; Cyclohexyl alcohol; Cykloheksanol; EINECS 203-630-6; Hexahydrophenol; Hexalin; HSDB 61; Hydralin; Hydrophenol; Hydroxycyclohexane; Naxol; NSC 403656; Phenol, hexahydro-. Used in soap making and manufacture of phenolic insecticides; source of adipic acid for nylon, textile finishing; solvent for alkyd and phenolic resins and rubber. Solid; mp = 25.4°; bp = 160.8°; d^{20} ▪ 0.9624; slightly soluble in $CHCl_3$, soluble in H_2O, EtOH, Et_2O, Me_2CO, freely soluble in C_6H_6, CS_2; LD_{50} (rat orl) = 2.06 g/kg. *Allied Signal; BASF Corp.; UCB SA.*

1019 Cyclohexanone

108-94-1 2755 G H



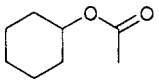
$C_6H_{10}O$

Cyclohexanone.

AI3-00041; Anon; Anone; Caswell No. 270; CCRIS 5897; Cicloesanone; Cyclohexanon; Cyclohexanone; Cyclohexyl ketone; Cykloheksanon; EINECS 203-631-1; EPA Pesticide Chemical Code 025902; Hexanon; HSDB 186; Hytrol O; Ketocyclohexane; Ketohexamethylene; Nadone; NCI-C55005; NSC 5711; Oxocyclohexane; Pimelic ketone; Pimelin ketone; RCRA waste number U057; Sextone; UN1915. Used as paint and varnish remover; solvent for cellulose acetate, nitrocellulose, natural resins, vinyl resins, rubber, waxes, fats; in production of adipic acid for nylon, cyclohexanone resins. Registered by EPA as an insecticide (cancelled). Clear liquid; mp = -31°; bp = 155.4°; bp_{400} = 132.5°, bp_{200} = 110.3°, bp_{100} = 90.4°, bp_{60} = 77.5°, bp_{40} = 67.8°, bp_{20} = 52.5°, bp_{10} = 38.7°, bp_5 = 26.4°, bp_1 = 1.4°; d^{20} = 0.9478; λ_m ▪ 276, 280 nm (ε = 26, 27, MeOH); soluble in H_2O (8.7 g/100 ml), EtOH, Et_2O, Me_2CO, C_6H_6; $CHCl_3$, CCl_4; LD_{50} (rat orl) = 1620 mg/kg. *Allied Signal; BASF Corp.; DSM Spec. Prods.; Fluka; Union Carbide Corp.*

1020 Cyclohexyl acetate

622-45-7 G



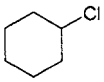
$C_8H_{14}O_2$

Acetic acid, cyclohexyl ester.

4-06-00-00036 (Beilstein Handbook Reference); Adronal acetate; AI3-03294; BRN 1906543; Cyclohexane acetate; Cyclohexanol, acetate; Cyclohexanolazetat; Cyclohex-anyl acetate; Cyclohexyl acetate; Cyclohexylester kyseliny octove; EINECS 210-736-6; FEMA No. 2349; H.A. Solvent; Hexalin acetate; HSDB 2820; NSC 8772; UN2243. A proprietary solvent for cellulose acetate and nitrate, rosin, rubber, oils, and metallic resinates. Liquid; bp = 173°, bp_{75} = 96°; d^{20} = 0.968; very soluble in EtOH, Et_2O.

1021 Cyclohexyl chloride

542-18-7 2761 G



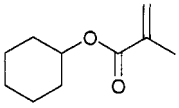
$C_6H_{11}Cl$

Chlorocyclohexane.

4-05-00-00048 (Beilstein Handbook Reference); AI3-23841; BRN 1900796; Chlorocyclohexane; Cyclohexane, chloro-; Cyclohexyl chloride; EINECS 208-806-6; HSDB 2801; Monochlorocyclohexane; NSC 8434. Solvent and chemical intermediate. Liquid; mp ▪ -44°; bp = 142°; d^{20} = 1.000; insoluble in H_2O, slightly soluble in CCl_4, very soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6. *Degussa-Hüls Corp.; Janssen Chimica.*

1022 Cyclohexyl methacrylate

101-43-9 G



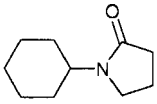
$C_{10}H_{16}O_2$

2-Methyl-2-propenoic acid, cyclohexyl ester.

Ageflex CHMA; AI3-33324; Cyclohexyl methacrylate; EINECS 202-943-5; HSDB 5340; Methacrylic acid, cyclohexyl ester; NSC 20968; 2-Propenoic acid, 2-methyl-, cyclohexyl ester. Clear colorless monomeric liquid. Polymer modifier for optical lens coatings, adhesives, floor polishes, vinyl polymerization, anaerobic adhesives. Liquid; bp = 210°; d^{20} = 0.9626; Insoluble in H_2O. *Rit-Chem.*

1023 Cyclohexyl pyrrolidone

6837-24-7 G



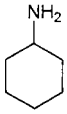
$C_{10}H_{17}NO$

N-Cyclohexyl-2-pyrrolidone.

5-21-06-00331 (Beilstein Handbook Reference); BRN 0121832; CHP; 1-Cyclohexyl-2-pyrrolidinone; N-Cyclohexylpyrrolidinone; N-Cyclohexylpyrrolidone; N-Cyclohexyl-2-pyrrolidone; EINECS 229-919-7; 2-Pyrrolidinone, 1-cyclohexyl-. Solvent, used as a reaction intermediate, textile auxiliary, cosmetic ingredient. Liquid; bp_7 ▪ 154°; d = 1.0070; LD_{50} (rat orl) = 370 mg/kg. *ISP.*

1024 Cyclohexylamine

108-91-8 2758 G H



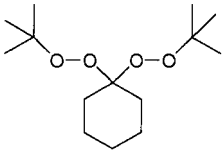
$C_6H_{13}N$

Aminocyclohexane.

4-12-00-00008 (Beilstein Handbook Reference); AI3-15323; Aminocyclohexane; Aminohexahydrobenzene; Aniline, hexahydro-; Benzenamine, hexahydro-; BRN 0471175; CCRIS 3645; CHA; Cyclohexanamine; Cyclohexylamine; EINECS 203-629-0; Hexahydroaniline; Hexahydrobenzenamine; HSDB 918; UN 2357. Boiler water treatment, rubber accelerator, intermediate in organic synthesis. Liquid; mp = -17.7°; bp = 134°; d^{20} = 0.8191; soluble in H_2O, CCl_4, very soluble in EtOH, freely soluble in Et_2O, Me_2CO, C_6H_6; LD_{50} (rat orl) = 0.61 mg/kg. *Air Products & Chemicals Inc.; BASF Corp.; Elf Atochem N. Am.; PMC.*

1025 Cyclohexylidenebis(t-butyl) peroxide

3006-86-8 G



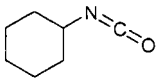
$C_{14}H_{28}O_4$

Peroxide, cyclohexylidenebis(1,1-dimethylethyl).

1,1-Bis(tert-butyl peroxy)cyclohexane; Chaloxyd P 1250AL; EINECS 221-111-2; Peroxide, cyclo-hexyl-idenebis((1,1-dimethylethyl); USP®-400P; 1,1-Di(tert-butylperoxy)cyclohexane; Lupersol 331; Lupersol 331-80B; Trigonox 22B50. Iinitiator useful in heat-cured polyester resin systems where improved flow and pot life are critical. *Ethitek Pharmaceuticals Co.*

1026 Cyclohexylisocyanate

3173-53-3 H



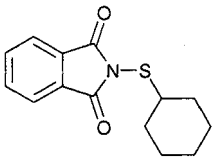
$C_7H_{11}NO$

Isocyanic acid, cyclohexyl ester.

AI3-28283; Cyclohexane, isocyanato-; Cyclohexyl isocyanate; Cyclohexylisocyanate; EINECS 221-639-3; Isocyanatocyclohexane; Isocyanic acid, cyclohexyl ester; NSC 87419; UN2488. Liquid; bp = 172°; d^{25} = 0.98

1027 Cyclohexylthiophthalimide

17796-82-6 H



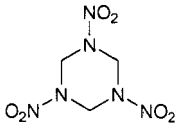
$C_{14}H_{15}NO_2S$

2-(Cyclohexylthio)-1H-isoindole-1,3(2H)-dione.

5-21-11-00117 (Beilstein Handbook Reference); BRN 0613992; CP 29242; Cyclohexylthiophthalimide; N-(Cyclohexylthio)phthalimide; N-Cyclohexylsulfenyl-phth-alimide; EINECS 241-774-1; 2-(Cyclohexylthio)-1H-iso-indole-1,3(2H)-dione; Phthalimide, N-(cyclohexylthio)-; Santogard PVI; Santogard PVI-DS.

1028 Cyclonite

121-82-4 2765 H



$C_3H_6N_6O_6$

1,3,5-Triaza-1,3,5-trinitrocyclohexane.

4-26-00-00022 (Beilstein Handbook Reference); BRN 0288466; CX 84A; Cyclonite; Cyclotrimethylene-nitramine; Cyklonit; EINECS 204-500-1; Esaidro-1,3,5-trinitro-1,3,5-triazina; Geksogen; Heksogen; Hexahydro-1,3,5-trinitro-s-triazine; Hexahydro-1,3,5-trinitro-1,3,5-triazine; Hexogeen; Hexogen (Explosive); Hexogen 5W; Hexolite; HSDB 2079; KHP 281; NSC 312447; PBX (af) 108; PBXW 108(E); PE 4; Perhydro-1,3,5-trinitro-1,3,5-triazine; RDX; 1,3,5-Triazine, hexahydro-1,3,5-trinitro-; Trimethyleentrinitramine; Trimethylenetrinitramine; UN0072; UN0391; UN0483. Crystals; mp = 205.5°; d^{20} = 1.82; λ_m = 213 nm (ε = 10965, EtOH); insoluble in H_2O, EtOH, C_6H_6, CCl_4, slightly soluble in Et_2O, MeOH, C_7H_8; soluble in Me_2CO, AcOH.

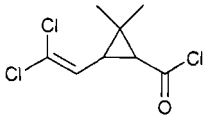
1029 **Cyclopentadiene**
542-92-7 2767 H

C_5H_6
1,3-Cyclopentadiene.
Cyclopentadiene; 1,3-Cyclopentadiene; EINECS 208-835-4; HSDB 2514; R-Pentine; Pentole; Pyropentylene. Liquid; mp = -85°; bp = 41°; d^{20} = 0.8021; λ_m = 240, 246, 252, 256, 262 nm (ε = 3236, 2818, 2138, 1445, 741, C_6H_{14}); insoluble in H_2O, soluble in Me_2CO, freely soluble in EtOH, Et_2O, C_6H_6.

1030 **Cyclopentane**
287-92-3 2769 H

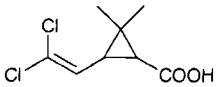
C_5H_{10}
Cyclopentane.
Cyclopentane; EINECS 206-016-6; HSDB 62; NSC 60213; Pentamethylene; UN1146. Liquid; mp = -93.8°, bp = 49.3°; d^{20} = 0.7457; insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether.

1031 **Cyclopropanecarbonyl chloride, 3-(2,2-dichloroethenyl)-2,2-dimethyl-**
52314-67-7 H



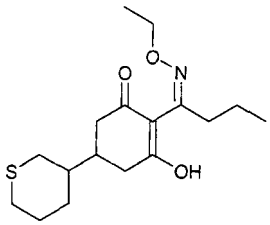
$C_8H_9Cl_3O$
3-(2,2-Dichlorovinyl)-2,2-dimethylcyclopropanecarbonyl chloride.
Cyclopropanecarbonyl chloride, 3-(2,2-dichloroethenyl)-2,2-dimethyl-; 3-(2,2-Dichloroethenyl)-2,2-dmethyl-cyclopropanecarbonyl chloride; 3-(2,2-Dichlorovinyl)-2,2-dimethylcyclopropanecarbonyl chloride; EINECS 257-840-8.

1032 **Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-**
55701-05-8 H



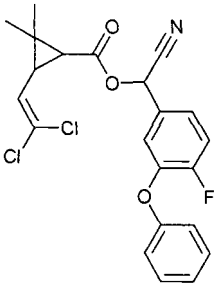
$C_8H_{10}Cl_2O_2$
3-(2,2-Dichlorovinyl)-2,2-dimethylcyclopropanecarboxylic acid.
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-; 3-(2,2-Dichlorovinyl)-2,2-dimethylcyclo-propanecarboxylic acid; EINECS 259-768-2.

1033 **Cycloxydim**
101205-02-1 G P



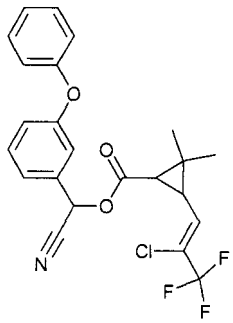
$C_{17}H_{27}NO_3S$
2-[1-(Ethoxyimino)butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-2-cyclohexene-1-one.
BAS 517; BAS 517-02H; BAS 51701H; BAS 51704H; BAS 517H; 2-Cyclohexen-1-one, 2-(1-(ethoxyimino)butyl)-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-; Cycloxydim; (±)-2-(1-(Ethoxyimino)butyl)-3-hydroxy-5-thian-3-cyclo-hex-2-enone; 2-(1-(Ethoxyimino)butyl)-3-hydroxy-5-(tetra-hydro-2H-thiopyran-3-yl)-2-cyclohexen-1-one;
Focus Ultra; Laser; Stratos. Selective herbicide, absorbed primarily by leaves. Inhibits mitosis. Used for post-emergence control of annual and perennial grasses in broad-leaved crops, such as beans and potatoes. Colorless crystals; mp = 36°; soluble in H_2O (0.0088 g/100 ml), Me_2CO, EtOH, CH_2Cl_2, Et_2O, C_7H_8 (all > 100 g/100 ml); LD_{50} (rat orl) = 3940 mg/kg, (rat dr) > 2000 mg/kg, (quail orl) > 2000 mg/kg; LC_{50} (trout 96 hr.) = 220 mg/l, (bluegill sunfish 96 hr.) > 100 mg/l; non-toxic to bees. *BASF Corp.*

1034 **Cyfluthrin**
68359-37-5 2785 G P



$C_{22}H_{18}Cl_2FNO_3$
Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloro-ethenyl)-2,2-dimethylcyclopropanecarboxylate.
Baythroid. Non-systemic insecticide with contact and stomach action. Used for control of chewing and sucking insects on oilseed rape, cereals, ornamentals, maize and cotton. Registered by EPA as an insecticide. Brown oil; almost insoluble in H_2O (0.0000002 g/100 ml); LD_{50} (mrat orl) = 500 - 800 mg/kg, (frat orl) = 1200 mg/kg, mmus orl) = 300 mg/kg, (fmus orl) = 600 mg/kg; LC_{50} (rainbow trout 96 hr.) = 0.0006 mg/l. *Bayer AG; Bayer Corp.*

1035 **Cyhalothrin K**
91465-08-6 2787 G P



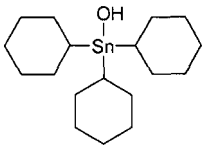
$C_{23}H_{19}ClF_3NO_3$

(1-α(S*),3-α(Z))-(±)-Methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano (3-phenoxyphenyl)-cyclopropanecarboxylate.

Charge; Commodore; λ-Cyalothrin; λ-Cyhalothrin; Cyhalothrin K; EPA Pesticide Chemical Code 128897; Excalibur; Hallmark; Icon; Karate; Karate C50; Matador; Ninja 10WP; PP 321; PP321; Saber; Sentinel. Non-systemic insecticide with contact and stomach action. Used for control of a wide variety of insects. Registered by EPA as an insecticide. Colorless solid; mp = 49.2°; poorly soluble in H_2O (0.0000005 g/100 ml)readily soluble in Me_2CO, EtOH, MeOH, C_7H_8, EtOAc, C_6H_{14} (all > 50 g/100 ml); LD_{50} (mrat orl) = 79 mg/kg, (frat orl) = 56 mg/kg (in corn oil), (mrat der) = 632 mg/kg, (frat der) = 696 mg/kg (in propane-1,2-diol), (mallard duck orl) > 3950 mg/kg, (bee orl) ■ 38 ng/bee, (bee contact) 909 ng/bee; LC_{50} (quail dietary) > 5000 mg/kg, (bluegill sunfish) = 0.00021 mg/l, (rainbow trout) 0.00024 mg/l. *Chemisco; Schering-Plough Veterinary Operations, Inc.; Syngenta Crop Protection; Zeneca Pharm.*

1036 Cyhexatin

13121-70-5 2789 G P



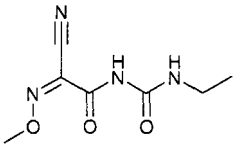
$C_{18}H_{34}OSn$

Tricyclohexylhydroxystannane.

tricyclohexylstannoltricyclohexyltin hydroxide; Acarstin; Aracnol F; ENT-27395; Dowco 213; Mitacid; Plictran; TCTH; Tetran; Triran; Caswell No. 884A; CCRIS 6824; Cyhexatin; Dowco-213; ENT 27395; ENT 27,395-X; EPA Pesticide Chemical Code 101601; HSDB 1782; Hydroxytricyclohexylstannane; M 3180; NSC 179742; Ortho Plictran 50 wettable miticide; Plictran; Plictran 5OW miticide; Plyctran; Stannane, tricyclohexylhydroxy-; Tin, tricyclohexylhydroxy-; Tricyclohexylhydroxytin; Tri-cyclohexylhydroxystannane; Tricyclohexylstannanol; Tri-cyclohexylstannium hydroxide; Tricyclohexyltin hydr-oxide; Tricyclohexylzinnhydroxid. Non-systemic acar-icide with contact action. Used for control of mites on fruit crops. Registered by EPA as an acaricide and insecticide (cancelled). Colorless crystals; mp = 195-198°; insoluble in H_2O (<0.0001 g/100 ml), soluble in $CHCl_3$ (32 g/100 ml), MeOH (3.0 g/100 ml), CH_2Cl_2 (4.5 g/100 ml), CCl_4 (4.5 g/100 ml), C_6H_6 (1.4 g/100 ml, C_7H_8 (0.9 g/100 ml), xylene (0.31 g/100 ml), Me_2CO (0.1 g/100 ml); LD_{50} (rat orl) = 540 mg/kg, (rbt orl) = 500 - 1000 mg/kg, (gpg orl) = 780 mg/kg, (rbt der) > 2000 mg/kg, (ckn orl) = 650 mg/kg, (bee der) ■ 0.032 mg/bee; LC_{50} (mallard duck 8 day dietary) = 3189 mg/kg diet, (bobwhite quail 8 day dietary) = 520 mg/kg diet, (large mouth bass 24 hr.) = 0.06 mg/l, (goldfish 24 hr.) = 0.55 mg/l; non-toxic to bees. *Elf Atochem N. Am.*

1037 Cymoxanil

57966-95-7 2794 G P



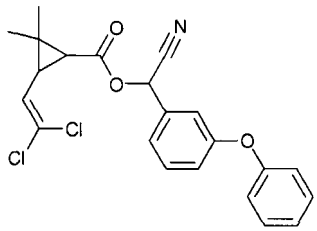
$C_7H_{10}N_4O_3$

2-Cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)-acetamide.

Acetamide, 2-cyano-N-((ethylamino)carbonyl)-2-(meth-oxyimino)-; Curzate; 1-(2-Cyano-2-methoxyiminoacetyl)-3-ethylurea; 2-Cyano-N-((ethylamino)carbonyl)-2-(meth-oxyimino)acetamide; 2-Cyano-N-(ethylcarbamoyl)-2-(methoxyimino)acetamide; Cymoxanil; DPX 3217; DPX 3217M; HSDB 6914; INT-3217-49. Foliar fungicide with protective and curative action. Used for control of Peronosporates, particularly *Peronospora, Phytophthora and Plasmopara* species. Registered by EPA as a fungicide. Used in potatoes. Crystals; mp ■ 160 - 161°; sg^{25} = 1.31; soluble in H_2O (0.1 g/100 ml), DMF (17.4 g/100 ml), Me_2CO (8.3 g/100 ml), $CHCl_3$ (15.2 g/100 ml), MeOH (3.3 g/100 ml), C_6H_6 (0.18 g/100 ml), C_6H_{14} (< 0.07 g/100 ml); LD_{50} (mrat orl) = 1196 mg/kg, (frat orl) = 1390 mg/kg, (gpg orl) = 1096 mg/kg, (mrbt, dog der) > 3000 mg/kg; LC_{50} (bobwhite quail 8 day dietary) = 2847 mg/kg diet, (Mallard duck 8 day dietary) > 10000 mg/kg diet; (rainbow trout 96 hr.) = 18.7 mg/l, (bluegill sunfish 96 hr.) = 13.5 mg/l; non-toxic to bees. *DuPont.*

1038 Cypermethrin

52315-07-8 2796 G P



$C_{22}H_{19}Cl_2NO_3$

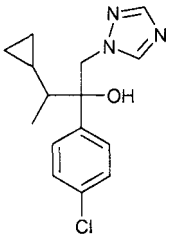
Cyclopropanecarboxylic acid, 3-(2,2-dichloro ethenyl)-2,2-dimethyl-, cyano (3-phenoxyphenyl) methyl ester.

Agrothrin; AI3-29295; Ambush C; Ambush CY; Ammo; Ammo (pesticide); Antiborer 3767; Ardap; Arrivo; Asymmethrin; Barricade; Barricade (insecticide); Bas-athrin; β-cypermethrin; BRN 2422506; Caswell No. 268AA; CCN 52; CCRIS 2499; Chinmix; Colt; Creokhin; (±)-α-cyano-3-phenoxybenzyl (±)-cis,trans-3-(2,2-di-chlorovinyl)-2,2-dimethylcyclopropane carboxylate; (RS)-α-Cyano-3-Phenoxybenzyl (1RS)-cis,trans-3-(2,2-di-chlorovinyl)-2,2-dimethylcyclopropanecarboxylate; α-Cyano(3-phenoxyphenyl)methyl(±)cis,trans-3-(2,2-di-chlorovinyl)-2,2-dimethylcyclopropanecarboxylate; Cymbush; Cymbush 2E; Cymbush 3E; Cympa-Ti; Cymperator; Cynoff; Cypercare; Cyperco; Cypercopal; Cyperil; Cyperkill; Cypermar; Cypermethrin; Cyper-methrin-25EC; cis-Cypermethrin; Cypermethrine; Cypermetryna; Cypersect; Cypor; Cyrux; Demon; Demon TC; 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane-carboxylic acid cyano(3-phenoxyphenyl)methyl ester; Drago; Dysect; Ectomin; Ectopor; EPA Pesticide Chemical Code 109702; Excis; EXP 5598; Fendona; Fenom; Fenom (pesticide); Flectron; FMC 30980; FMC 45497; FMC 45806; Folcord; Fury; Hilcyperin; HSDB 6600; Imperator; JF 5705F; KafilSuper; Kalif Super; Kefil Super; Kordon; Kreokhin; Mustang; Neramethrin; Neramethrin EC 50; NRDC 149; Nurele; Nurelle;

Parasol; Polytrin; PP 383; Ripcord; RU 27998; Rycopel; SF 06646; Sherpa; Siperin; Supercypermethrin; Supercypermethrin forte; Super-methrin; Topclip; Toppel; Ustaad; Vucht 424; WL 8517; WL 43467; Wrdc149; YT 305. Non-systemic insecticide with contact and stomach action. Used to control wide range of insects, e.g. *lepidoptera, coleoptera, diptera and hemiptera*. Registered by EPA as an insecticide. Yellow liquid - colorless crystals; mp = 60-80°; d^{20} ■ 1.25; insoluble in H_2O (< 0.000001 g/100 ml), soluble in Me_2CO, $CHCl_3$, cyclohexanone, xylene (all > 45 g/100 ml), EtOH (33.7 g/100 ml), C_6H_{14} (10.3 g/100 ml); LD_{50} (rat orl) = 25 - 4150 mg/kg, (mus orl) = 138 mg/kg, (rat der) > 1600 mg/kg, (rbt der) > 2400 mg/kg, (mallard duck orl) > 10000 mg/kg, (ckn orl) > 2000 mg/kg; LC_{50} (brown trout 96 hr.) = 0.0020 - 0.0028 mg/l; toxic to bees. *Am. Cyanamid; Aventis Environmental Science USA LP; Bonide Products, Inc.; Chinoin; Control Solutions, Inc.; CTX-Cenol Inc.; Farnam Companies Inc.; FMC Corp.; Novartis; S.C. Johnson & Son, Co; Sumitomo Corp.; Syngenta Crop Protection; Unicorn Laboratories; Valent Biosciences Corp.; Waterbury Companies Inc.; Zeneca Pharm.*

1039 Cyproconazole

94361-06-5 2800 P



$C_{15}H_{18}ClN_3O$

α-(4-Chlorophenyl)-α-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol.

Alto; Alto 100SL; Atemi; Atemi C; Cyproconazole; SAN 619F; Sentinel Turf Fungicide; SN 108266. Registered by EPA as a fungicide. Colorless crystals, mp = 103-105°; poorly soluble in H_2O (0.0140 g/100 ml), soluble in Me_2CO (> 23 g/100 ml), EtOH (> 23 g/100 ml), xylene (12 g/100 ml), DMSO (>18 g/100 ml); LD_{50} (mrat orl) = 1020 mg/kg, (frat orl) = 1330 mg/kg, (rat der) 2000 mg/kg, (carp) = 18.9 mg/l, (trout) = 7.2 mg/l, (bluegill sunfish) = 6.0 mg/l, (bobwhite quail orl) = 150 mg/kg. *Janssen Pharmaceutical, Belgium; Osmose Inc.; Syngenta Crop Protection.*

1040 Cysteine

52-90-4 2810 G

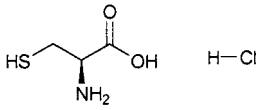
$C_3H_7NO_2S$

L-(+)-2-amino-3-mercaptopropionic acid.

L-Alanine, 3-mercapto-; 2-Amino-3-mercaptopropanoic acid, (R)-; 2-Amino-3-mercaptopropionic acid; L-2-Amino-3-mercaptopropanoic acid; (R)-2-Amino-3-mercaptopropanoic acid; α-Amino-β-thiolpropionic acid; α-Amino-β-thiolpropionic acid, L-; α-Amino-β-mercaptopropanoic acid, L-; AI3-26559; CCRIS 912; Cisteina; Cisteinum; Cystein; Cysteine; L-Cysteine; L-(+)-Cysteine; Cysteine, L-; (R)-Cysteine; Cysteinum; EINECS 200-158-2; FEMA No. 3263; Half cystine; HSDB 2109; NSC-8746; Thioserine. A nonessential amino acid; biochemical and nutrition research, reducing agent in bread doughs. *Diamalt; Nippon Rikagakuyakuhin; Showa Denko.*

1041 Cysteine hydrochloride

52-89-1 2810 G



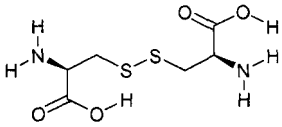
$C_3H_7NO_2S.HCl$

L-2-Amino-3-mercaptopropanoic acid monohydro-chloride.

AI3-18781; CCRIS 3613; Cystein chloride; Cysteine chlorhydrate; Cysteine hydrochloride; Cysteine hydro-chloride anhydrous; L-Cysteine hydrochloride; L-(+)-Cysteine hydrochloride; (R)-Cysteine hydrochloride; Cysteine monohydrochloride; Cysteine, L-, monohydrochloride; Cysteine, L-, hydrochloride; EINECS 200-157-7; EK 2367; 3-Mercaptoalanine hydrochloride; NSC 8746; WR 348. Essential amino acid. Used as a dough conditioner. Crystals; mp ■ 175-178° (dec); $[\alpha]_D^{25}$= 5° (5N HCl); soluble in H_2O, organic solvents. *Bretagne Chimie Fine SA; Degussa AG; EM Ind. Inc.; Greeff R.W. & Co.; Nippon Rikagakuyakuhin; Penta Mfg.; Tanabe U.S.A. Inc.; U.S. BioChem.*

1042 Cystine

56-89-3 2811 G



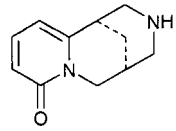
$C_6H_{12}N_2O_4S_2$

Di(α-amino-β-thiolpropionic acid.

4-04-00-03155 (Beilstein Handbook Reference); AI3-09064; Alanine, 3,3'-dithiobis-; Alanine, 3,3'-dithiodi-; L-Alanine, 3,3'-dithiobis-; Bis(β-amino-β-carboxyethyl)-disulfide; BRN 1728094; CCRIS 5822; Cysteine disulfide; L-Cysteine disulfide; Cystin; L-Cystin; Cystine; L-Cystine; 1-Cystine; Cystine (L)-; Cystine acid; Dicysteine; α-Diamino-lb-dithiolactic acid; β,β'-Diamino-β,β'-dicarb-oxydiethyl disulfide; (R-(R*,R*))-3,3'-Dithiobis(2-amino-propanoic acid); β,β'-Dithioalanine, L-; β,β'-Dithio-bisalanine; 3,3'-Dithiobis(2-aminopropanoic acid), (R-(R*,R*))-; 3,3'-Dithiodialanine; EINECS 200-296-3; Gelucystine; Nephrin; NSC 13203; Oxidized L-cysteine; Propanoic acid, 3,3'-dithiobis(2-amino-, (R-(R*,R*))-. Biochemical and nutrition research, nutrient and dietary supplement. Crystals; mp = 260-261° (dec); $[\alpha]_D^{20}$= -223.4° (1.0N HCl); soluble in H_2O (0.011 g/100 ml at 25°, 0.024 g/100 ml at 50°, 0.052 g/100 ml at 75°, 0.114 g/100 ml at 100°), insoluble in EtOH. *Am. Biorganics; Bretagne Chimie Fine SA; Degussa AG; Greeff R.W. & Co.; Sigma-Aldrich Fine Chem.; Tanabe U.S.A. Inc.; U.S. BioChem.*

1043 Cytisine

485-35-8 2818 G



$C_{11}H_{14}N_2O$

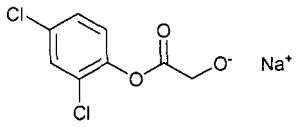
1,2,3,4,5,6-Hexahydro-1,5-methano-8H-pyrido[1,2-a]-[1,5]diazocin-8-one.

5-24-02-00535 (Beilstein Handbook Reference); Bapti-toxin; Baptitoxine; BRN 0083882; Citizin; Cystisine; Cytisine; Cytiton;

Cytitone; Cytizin; EINECS 207-616-0; 1,2,3,4,5,6-Hexahydro-1,5-methano-8H-pyrido(1,2-a)-(1,5)diazocin-8-one; HSDB 3560; Laburnin; 1,5-Methano-8H-pyrido(1,2-a)(1,5)diazocin-8-one, 1,2,3,4,5, 6-hexahydro-; 1,5-Methano-8H-pyrido(1,2-a)-(1,5)diazocin-8-one, 1,2,3,4,5,6-hexahydro-, (1R,5S)-; NSC 407282; Sophorin; Sophorine; Tabax; Tabex; Tsitizin; Ulexin; Ulexine. An alkaloid found in laburnum and furze. Crystals; mp= 152-153°; bp2 = 218°; $[\alpha]_D^{17}$= -120°; soluble in H_2O (77 g/100 ml), more soluble in organic solvents; LD_{50} (mus orl) = 101 mg/kg.

1044 2,4-D, Sodium Salt

2702-72-9 HP



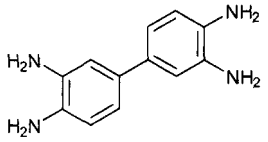
$C_8H_5Cl_2NaO_3$

Sodium 2,4-dichlorophenoxyacetate.

Acetic acid, (2,4-dichlorophenoxy)-, sodium salt; Agrion; Caswell No. 315D; CCRIS 1433; 2,4-D sodium salt; 2,4-Dichlorophenoxyacetic acid, sodium salt; Diconirt; Diconirt D; Dikonirt; Dikonirt D; EINECS 220-290-4; EPA Pesticide Chemical Code 030004; Fernoxene; Fernoxone; Hormit; Pielik E; Pielika; Sodium 2,4-D; Sodium 2,4-dichlorophenoxyacetate; Spray-hormite; Spritz-hormit; U-46-D-Fluid. Herbicide. Registered by EPA as a herbicide and fungicide. *Aquacide Co.; Farnam Companies Inc.; Nufarm Americas Inc.; Riverdale Chemical Co.*

1045 DAB

91-95-2 G



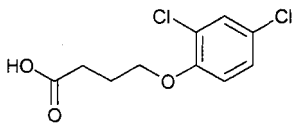
$C_{12}H_{14}N_4$

3,3'-Diaminobenzidine.

3,3',4,4'-Biphenyltetramine. A proprietary intermediate for various high-temperature plastics, used to make polypyrones and polyquinoxalines. Crystals; mp = 172-174°; soluble in H_2O (0.55 g/l), more soluble in organic solvents; LD_{50} (mus orl) = 1834 mg/kg, carcinogen. *Upjohn Ltd.*

1046 2,4-DB

94-82-6 2855 GP



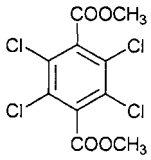
$C_{10}H_{10}Cl_2O_3$

4-(2,4-Dichlorophenoxy)butanoic acid.

4-06-00-00927 (Beilstein Handbook Reference); BRN 1976809; Buratal; Butanoic acid, 4-(2,4-dichloro-phenoxy)-; Butirex; Butormone; Butoxon; Butoxone; Butoxone amine; Butoxone ester; Butyrac; Butyrac 118; Butyrac 200; Butyrac ester; Butyric acid, 4-(2,4-dichlorophenoxy)-; Campbell's DB Straight; Caswell No. 316; CCRIS 1021; DB; 2,4-DB; 2,4-D butyric acid; 2,4-(Dichlorophenoxy)butyric acid; 4-(2,4-Dichloro-phen-oxy)butyric acid; 4-(2,4-Dichlorophenoxy)butanoic acid; 2,4-DM; EINECS 202-366-9; Embutone; Embutox; EPA Pesticide Chemical Code 030801; γ-(2,4-Dichloro-phenoxy)butyric acid; HSDB 6603; Kyselina 4-(2,4-dichlorfenoxy)maselna; Legumex; Legumex D; M&B 2878; NSC 70337; Sys 67 Buratal; Venceweed. Selective systemic hormone type herbicide. Used for post-emergence control of many annual and perennial broad-leaved weeds in lucerne, clovers, cereals, grassland, forest legumes, soybeans and ground nuts. mp = 117-119°; soluble in H_2O (4.6 g/100 ml), readily soluble in organic solvents; LD_{50} (rat orl) = 370-700 mg/kg. *ICI Chem. & Polymers Ltd.; May & Baker Ltd.; MTM AgroChemicals Ltd.*

1047 Dacthal

1861-32-1 2896 GP



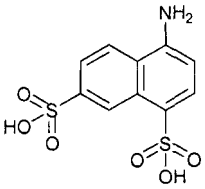
$C_{10}H_6Cl_4O_4$

2,3,5,6-Tetrachloro-1,4-benzenedicarboxylic acid dimethyl ester.

3-09-00-04257 (Beilstein Handbook Reference); AI3-52124; 1,4-Benzenedicarboxylic acid, 2,3,5,6-tetra-chloro-, dimethyl ester; BRN 1888840; Caswell No. 382; Chlorothal; Chlorthal-dimethyl; Chlorthal dimethyl ester; Chlorthal-methyl; DAC 4; DAC 893; Dacthal; Dacthalor; Daktal; DCP; DCPA; Dimethyl tetrachloro-1,4-benzenedicarboxylate; Dimethyl 2,3,5,6-tetra-chloro-benzene-1,4-dicarboxylate; Dimethyl 2,3,5,6-tetrachloro-terephthalate; Dimethyl ester of tetrachloro-terephthalic acid; Dimethyl tetrachloroterephthalate; Dimethylester kyseliny tetrachlortereftalove; EINECS 217-464-7; EPA Pesticide Chemical Code 078701; Fatal; HSDB 358; NSC 155745; Rid; TCTP; Terechloroterephthalic acid dimethyl ester; Terephthalic acid, tetrachloro-, dimethyl ester; Terephthalic acid, 2,3,5,6-tetrachloro-,dimethyl ester; Tetrachloro-terephthalic acid dimethyl ester; 2,3,5,6-tetrachloro-1,4-benzenedicarboxylate; 2,3,5,6-Tetra-chlorphthalsäure-dimethylester; 2,3,5,6-Tetrachlor-phthalsaeure-dimethyl-ester; 2,3,5,6-Tetrachlorotere-phthalic acid dimethyl ester; Tetral; Vegetable Turf and Ornamental Weeder. A preemergence sprayable herbicide that can be used in vegetable gardenson ornamentals and in turf areas; controls spurge. Crystals; mp = 155-156°; soluble in H_2O, organic solvents; LD_{50} (rat orl) >3000 mg/kg. *Fermenta; Lawn & Garden Products Inc.*

1048 Dahl's acid II

85-74-5 6427 G



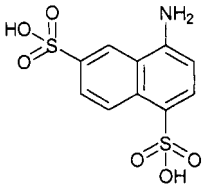
$C_{10}H_9NO_6S_2$

α-Naphthylamine-4,6-disulfonic acid.

4-Aminonaphthalene-1,7-disulphonic acid; EINECS 201-629-5; 1-Naphthylamine-4,6-disulfonic acid; 1,7-Naphthalenedisulfonic acid, 4-amino-. Intermediate in synthesis of dyestuffs. Readily soluble in H_2O, EtOH

1049 Dahl's acid III

85-75-6 6428 G



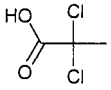
$C_{10}H_9NO_6S_2$

α-naphthylamine-4,7-disulfonic acid.

4-Aminonaphthalene-1,6-disulphonic acid; 1-Naphthyl-amine-4,7-disulfonic acid; 1,6-Naphthalenedisulfonic acid, 4-amino-. Intermediate in synthesis of dyestuffs. Soluble in H_2O, insoluble in EtOH.

1050 Dalapon

75-99-0 2830 G P



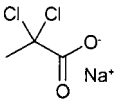
$C_3H_4Cl_2O_2$

2,2-Dichloropropanoic acid.

4-02-00-00753 (Beilstein Handbook Reference); AI3-28206; Alatex; Basfapon B; Basfapon/Basfapon N; Basinex P; BH Dalapon; BRN 1750149; Caswell No. 273; CCRIS 7752; Crisapon; Dalapon; Dalapon 85; Dalascam; Dawpon-Rae; D-Granulat; α,α-Dichloropropionic acid; 2,2-Dichloropropanoic acid; 2,2-Dichloropropionic acid; 2,2-DPA; Dowpon M; Dowpon NF; DPA; EINECS 200-923-0; EPA Pesticide Chemical Code 028901; HSDB 4010; Kenapon; Kyselina 2,2-dichlorpropionova; Liropon; NSC 56352; Propanoic acid, 2,2-dichloro-; Propionic acid, 2,2-dichloro-; Proprop; Revenge; S 1315; S 95 (herbicide); Sys-Omnidel; Tripon; Unipon. Selective systemic herbicide absorbed by roots and leaves. Used for control of annual and perennial grasses on non-crop land and also orchards and vineyards. Registered by EPA as a herbicide (cancelled). Soluble powder containing dalapon; used for control of grasses in crop and noncrop areas. Selective systemic herbicide absorbed by roots and leaves; used for control of annual and perennial grasses on non-crop land and also orchards and vineyards. Liquid; bp_{18} = 98-100°; d = 1.4014; LD_{50} (rat orl) = 7126 mg/kg. *Rhône-Poulenc Environmental Prods. Ltd; Synchemicals Ltd; Vitax Ltd.*

1051 Dalapon sodium

127-20-8 2830 G P



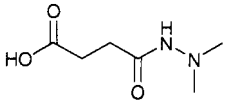
$C_3H_3Cl_2NaO_2$

2,2-dichloropropanoic acid, sodium salt.

Antigramigna; Basfapon; Caswell No. 273A; Dalapon sodium; Dalapon sodium salt; α-α-Dichloropropionic acid sodium salt; 2,2-Dichloropropionic acid, sodium salt; 2,2-Dichlorpropionsaeure natrium; 2,2-Dichlor-propionsäure natrium; 2,2-DPA Na salt; Dikopan; Dowpon; Dowpon S; EINECS 204-828-5; EPA Pesticide Chemical Code 028902; Gramevin; Hico DCPAS; Natriumsalz der 2,2-dichlorpropionsaure; Omnidel; Omnidel Spezial; Propanoic acid, 2,2-dichloro-, sodium salt; Propinate; Propionic acid, 2,2-dichloro-, sodium salt; Radapon; Sodium α,α-dichloropropionate; Sodium 2,2-dichloropropionate; Sodium Dalapon; SYS 67 Omnidel; Tafapon. Post-emergence systemic herbicide for control of grasses in annual and perennial crops, used on nonagricultural land, in ditches, and pastures. Used primarily in sugar cane, sugar beets, orchards and also in noncrop applications such as railroads and rubber plantations. Registered by EPA as a herbicide (cancelled). Crystals; dec. 166.5°; soluble in H_2O (90 g/100 ml), EtOH (14.6 g/100 ml), MeOH (14.3 g/100 ml), Me_2CO (0.011 g/100 ml), C_6H_6 (0.002 g/100 ml), Et_2O (0.011 g/100 ml); LD_{50} (rat orl) = 9330 mg/kg, (frat orl) = 7570 mg/kg, (fmus orl) > 4600 mg/kg, (fgpg orl) = 3860 mg/kg, (frbt orl) = 3860 mg/kg, (cattle orl) > 4000 mg/kg, (rbt der) > 2000 mg/kg, (ckn orl) = 5660 mg/kg; LC_{50} (mallard duck, Japanese quail, pheasant 5 day dietary) > 5000 mg/kg diet, (rainbow trout, goldfish, channel catfish 96 hr.) > 100 mg/l, (carp 96 hr.) > 500 mg/l, (guppy 96 hr.) > 1000 mg/kg; non-toxic to bees. *BASF Corp.; Bayer AG; Dow AgroSciences; Dow UK.*

1052 Daminozide

1596-84-5 2836 G P



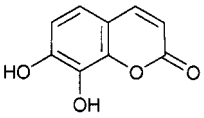
$C_6H_{12}N_2O_3$

Succinic acid N,N-dimethylhydrazide.

AI3-50727; Alar 85; ALAR; Aminozide; B 995; B-Nine; Bernsteinsäure-2,2-dimethylhydrazid; Bernstein-saeure-2,2-dimethylhydrazid; BRN 1863230; Butanedioic acid mono(2,2-dimethylhydrazide); Caswell No. 808; CCRIS 191; Daminozide; Dimas; N-Dimethylamino-+lb-carbamylpropionic acid; Dimethylaminosuccinamic acid; N-(Dimethylamino)succinamic acid; N-Dimethylamino-succinamidsa+a5ure; N-Dimethylamino-succinamid-saeure; 2,2-Dimethylhydrazid kyseliny jantarove; DMASA; DYaK; EINECS 216-485-9; EPA Pesticide Chemical Code 035101; HSDB 1769; Kylar; NCI-C03827; Nine; SADH; Succinic 1,1-dimethyl hydrazide; Succinic acid 2,2-dimethylhydrazide; Succinic acid N,N-dimethylhydrazide; Succinic N',N'-dimethylhydrazide; Succinic acid, mono(2,2-dimethylhydrazide). Plant growth regulator, absorbed by leaves with translocation throughout the plant. Used on apples to restrict vegetative growth. Registered by EPA as a herbicide and plant growth regulator. Crystals; mp = 154 - 155°; soluble in H_2O (10 g/100 ml), Me_2CO (2.0 g/100 ml), MeOH (4 g/100 ml); LD_{50} (rat orl) = 8400 mg/kg, (rbt der) > 5000 mg/kg; LC_{50} (rat ihl 1 hr.) > 147 mg/l air, (mallard duck, bobwhite quail 8 dau dietary) > 10000 mg/kg diet, (rainbow trout 96 hr.) = 149 mg/l, (bluegill sunfish 96 hr.) = 423 mg/l; non-toxic to bees. *Crompton Corp.; Uniroyal.*

1053 Daphnetin

486-35-1 2843 G



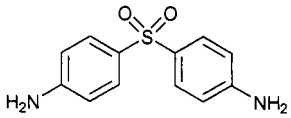
$C_9H_6O_4$

7,8-Dihydroxy-2H-1-benzopyran-2-one.

5-18-03-00211 (Beilstein Handbook Reference); 2H-1-Benzopyran-2-one, 7,8-dihydroxy-; BRN 0009372; Coumarin, 7,8-dihydroxy-; Daphnetin; Daphnetol; 7,8-Dihydroxy-2H-1-benzopyran-2-one; 7,8-Dihydroxy-coumarin; EINECS 207-632-8. Used in manufacture of dyes and pharmaceuticals. Pale yellow needles; mp= 262° (dec); bp sublimes; λ_m = 258, 335 nm (ε = 6310, 12589, EtOH); slightly soluble in Et_2O, C_6H_6, CS_2, $CHCl_3$, soluble in H_2O, EtOH, AcOH.

1054 Dapsone

80-08-0 2847 G



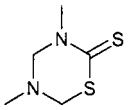
$C_{12}H_{12}N_2O_2S$

4,4'-Sulfonylbisbenzeneamine.

1358F; 4-13-00-01306 (Beilstein Handbook Reference); Acedapsone; AI3-08087; 4-Aminophenyl sulfone; p-Aminophenyl sulfone; Aniline, 4,4'-sulfonyldi-; Araldite HT; Araldite HT 976; Avlosulfon; Avlosulfone; Avlosulphone; Benzenamine, 4,4'-sulfonylbis-; Bis(4-aminophenyl) sulfone; Bis(4-aminophenyl)sulphone; BRN 0788055; CCRIS 192; Croysulfone; Croysulphone; DADPS; Dapson; Dapsona; Dapsone; 4,4'-Dapsone; 4,4-Diaminodifenylsulfon; 4,4'-Diaminodiphenyl sulfone; 4,4'-Diaminodiphenyl sulphone; Dapsone; Dapsonum; DDS; DDS (pharmaceutical); Di(4-aminophenyl)sulfone; Di(4-aminophenyl)sulphone; Di(p-aminophenyl) sulfone; Di(p-aminophenyl)sulphone; p,p-Diaminodiphenyl sulphone; Diamino-4,4'-diphenyl sulfone; Diamino-4,4'-diphenyl sulphone; Diaminodifenilsulfona; Diamino-diphenyl sulfone; Diaphenylsulfon; Diaphenylsulfone; Diaphenylsulphon; Diaphenylsulphone; Diphenasone; N,N'-Diphenyl sulfondiamide; Diphone; Disulone; DRG-0036; DSS; Dubronax; Dumitone; EINECS 201-248-4; Eporal; F 1358; Hardener HT 976; HSDB 5073; HT 976; HY 976; ICI; Metabolite C; NCI-C01718; Novophone; NSC-6091; 1,1'-Sulfonylbis(4-amino-benz-ene); 1,1'-Sulphonylbis(4-aminobenzene); 4,4'-Sulfonyl-bisaniline; 4,4'-Sulfonylbisbenzamine; 4,4'-Sulfonylbis-benzenamine; 4,4'-Sulfonyldianiline; 4,4'-Sulphonyl-dianiline; p,p-Sulfonylbisbenzamine; p,p-Sulfonylbis-benzenamine; p,p-Sulphonylbisbenzamine; p,p-Sulph-onylbisbenzenamine; p,p'-Sulfonyldianiline; p,p-Sulph-onyldianiline; Sulfadione; Sulfanonamae; Sulfon-mere; Sulfona; Sulfona-Mae; Sulfone, diphenyl, 4,4'-diamino-; Sulfone UCB; Sulfonyldianiline; Sulphadione; Sulphonyldianiline; Sumicure S; Tarimyl; Udolac; WR 448. Curing agent for epoxy resins; antibacterial. mp = 175.5°; soluble in EtOH, MeOH, Me_2CO, HCl, insoluble in DMSO, H_2O; LD_{50} (rat orl) = 1000 mg/kg. *Crown Metro.*

1055 Dazomet

533-74-4 2854 G H P



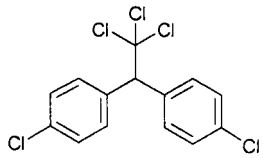
$C_5H_{10}N_2S_2$

Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione.

4-27-00-07436 (Beilstein Handbook Reference); Amer-stat® 233; Basamid; Basamid G; Basamid-Granular; Basamid P; Basamid-Puder; Basamid - Purder; BRN 0116039; Carbothialdin; Caswell No. 840; Crag 85W; Crag 974; Crag fungicide 974; Crag nemacide; D 35; Dazomet; Dazomet-Powder BASF; Dimethylformocarbothialdine; 3,5-Dimethyl-1,2,3,5-tetrahydro-1,3,5-thiadiazinethione-2; 3,5-Dimethyl-1,3,5-(2H)-tetrahydro-thiadiazine-2-thione; 3,5-Dimethyl-1,3,5-thiadiazinane-2-thione; 3,5-Dimethyl-2-thionotetrahydro-1,3,5-thiadiaz-ine; 3,5-Dimethylperhydro-1,3,5-thiadiazin-2-thion; 3,5-Dimethyltetrahydro-1,3,5-2H-thiadiazine-2-thione; 3,5-Dimethyltetrahydro-1,3,5-thiadiazine-2-thione; 3,5-Dimethyltetrahydro-2H-1,3,5-thiadiazine-2-thione; 3,5-Di-metil-peridro-1,3,5-tiadiazin-2-tione; DMTT; EINECS 208-576-7; EPA Pesticide Chemical Code 035602; Fennosan B 100; HSDB 1642; Mico-fume; Mylon; Mylone; Mylone 85; N 521; N 521® Biocide; Nalcon 243; Nefusan; NSC 4737; Prezervit; Salvo; Stauffer N 521; Tetrahydro-2H-3,5-dimethyl-1,3,5-thiadiazine-2-thi-one; Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thi-one; 2H-1,3,5-Thiadiazine-2-thione, tetrahydro-3,5-dimethyl-; 2-Thio-3,5-dimethyltetrahydro-1,3,5-thiadiaz-ine; Thiadiazin (pesticide); Thiazon; Thiazone; Tiazon; Troysan 142; UCC 974. Used as a soil fumigant; acts by release of methyl isothiocyanate. Antimicrobial (slimicide) in industrial water systems, e.g. paper mills, preservative in aqueous systems. Needles; mp = 106-107°; soluble in EtOH, decomposed by EtOH, H_2O; λ_m = 242, 289 nm (ε 7150, 9900, cyclohexane); soluble in H_2O (0.3 g/100 ml), cyclohexane (31.1 g/100 ml), $CHCl_3$ (57.9 g/100 ml), Me_2CO (10.5 g/100 ml), C_6H_6 (4.5 g/100 ml), EtOH (1.2 g/100 ml); Et_2O (0.42 g/100 ml); LD_{50} (rat orl) = 320 - 620 mg/kg, (mus orl) = 180 mg/kg, (mmus orl) = 455 mg/kg, (fmus orl) ■ 710 mg/kg, (gpg orl) = 160 mg/kg, (rbt orl) = 320 - 620 mg/kg, (rat ip) = 87 mg/kg, (rbt ip) = 127 mg/kg, (dog ip) = 47 - 63 mg/kg, (rat der) > 2000 mg/kg, (rbt der) = 7100 mg/kg; LC_{50} (rat ihl 4 hr.) = 84 mg/l air; toxic to fish; non-toxic to bees. *BASF Corp.; Bos Chemicals Ltd.; Diachem; DowElanco Ltd.; Drew Industrial Div.; Rhône-Poulenc.*

1056 DDT

50-29-3 2861 G



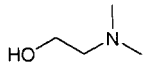
$C_{14}H_9Cl_5$

1,1'-(2,2,2,-Trichloroethylidene)bis[4-chlorobenzene].

4-05-00-01885 (Beilstein Handbook Reference); 4,4'-DDT; 4,4'-Dichlorodiphenyltrichloroethane; Aavero-ex-tra; Agritan; AI3-01506; Anofex; Arkotine; Azotox M 33; Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro-; Benzochloryl; α,α-Bis(p-chlorophenyl)-β,β,β-trichloro-ethane; 1,1-Bis-(p-chlorophenyl)-2,2,2-trichloroethane; 2,2-Bis(p-chlorophenyl)-1,1,1-trichloroethane; Bosan Supra; Bovidermol; BRN 1882657; Caswell No. 308; CCRIS 194; Chlofenotan; Chlorophenothan; Chloro-phenothane; Chlorophenothanum; Chlorophenothanum technicum; Chlorophenotoxum; Chlorphenothan; Chlorphenotoxum; Citox; Clofenotane; Clofenotane technique; Clofenotano; Clofenotanum; D.D.T. technique; DDT; DDT 50 WP; DDT, p,p'-; p,p'-DDT; Deoval; Detox (pesticide); Detoxan; Dibovin; Dichlorodiphenyltrichloroethane; p,p'-Dichlorodiphenyltrichloroethane; Dicophane; Didigam; Didimac; Dodat; Dykol; EINECS 200-024-3; ENT 1,506; EPA Pesticide Chemical Code 029201; Estonate; Ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl)-; Genitox; Gesafid; Gesarol; Guesarol; Gyron; Hildit; HSDB 200; Ivoran; Ixodex; Klorfenoton; Kopsol; Mutoxan; NCI-C00464; Neocid; Neocidol; NSC 8939; OMS 0016; OMS 16; Parachlorocidum; PEB1; Pentachlorin; Pentech; Penticidum; RCRA waste number U061; Rukseam; Santobane; Tafidex; Trichlorobis(4-chlorophenyl)ethane; 1,1,1-Trichloor-2,2-bis(4-chloor fenyl)-ethaan; 1,1,1-Trichlor-2,2-bis(4-chlor-phenyl)-aethan; 1,1,1-Trichloro-2,2-di(4-chlorophenyl)-ethane; 1,1,1-Trichloro-2,2-bis-(4,4'-dichlorodiphenyl)ethane; 1,1,1-Tricloro-2,2-bis(4-cloro-fenyl)-etano; 1,1,1-Tricloro-2,2-bis(4-cloro-fenil)-etano; 1,1'-(2,2,2-Trichloroethylidene)bis(4-chloro-benz-ene); p'-Zeidane; Zerdane. A powerful polyclorinated, nondegradable pesticide. One of the Dirty Dozen pesticides. mp = 108.5-109°; λ_m= 236 nm; insoluble in H_2O; soluble in acetone (58 mg/100ml), benzene (78 mg/100ml), carbon tetrachloride (45 mg/100ml); LD_{50} (rat orl) = 113 mg/kg. 3975; no longer sold in the US.

1057 Deanol

108-01-0 2863 D G H



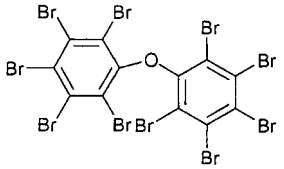
$C_4H_{11}NO$

2-Dimethylaminoethanol.

4-11-00-00122 (Beilstein Handbook Reference); AI3-09209; Amietol M 21; Bimanol; BRN 1209235; CCRIS 4802; Dabco® DMEA; Deanol; Dimethyl(2-hydroxyethyl)amine; Dimethyl(hydroxyethyl)amine; Di-methylaethanolamin; Dimethylaminoaethanol; Dimethyl-aminoethanol; β-Dimethylaminoethyl alcohol; 2-(Di-methylamino)-1-ethanol; 2-(N,N-Dimethylamino)ethanol; 2-Dimethylaminoethanol; 2-Dwumetyloaminoetanolu; Dimethylmonoethanolamine; DMAE; EINECS 203-542-8; Ethanol, 2-(dimethylamino)-; HSDB 1329; Kalpur P; Liparon; Norcholine; NSC 2652; Propamine A; Tegoamin® DMEA; Texacat® DME; UN2051; Varesal. Solubilizer of synthetic resins for water soluble paints, raw material for ion exchange resins and coagulants. Used in synthesis of dyestuffs, pharmaceuticals and textile auxiliaries. Amine-based catalyst for polyurethane rigid foam, flexible slabstock. Used medically as a CNS stimulant. Liquid; mp = -59°; bp = 134°; d_4^{20} = 0.8866; freely soluble in H_2O, EtOH, Et_2O, soluble in $CHCl_3$; LD_{50} (rat orl) = 2 gm/kg. *Air Products & Chemicals Inc.; BASF Corp.; Elf Atochem N. Am.; Goldschmidt; Nippon Nyukazai; Texaco; Union Carbide Corp.*

1058 Decabromobiphenyl ether

1163-19-5 G H



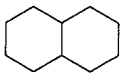
$C_{12}Br_{10}O$

Bis(pentabromophenyl) ether.

1-06-00-00108 (Beilstein Handbook Reference); Adine 505; AFR 1021; AI3-27894; BDE 209; Berkflam B 10E; Bis(pentabromophenyl)ether; BR 55N; BRN 2188438; Bromkal 82-0DE; Bromkal 83-10DE; Caliban F/R-P 39P; CCRIS 1421; DB 10; DB 101; DB 102; De 83R; DE 83; Decabrom; Decabromobiphenyl ether; Decabromo-diphenyl oxide; Decabromophenyl ether; DP 10F; EB 10; EB 10FP; EB 10W; EB 10WS; EBR 700; EINECS 214-604-9; F/R-P 53; Fire Cut 83D; Flame Cut 110R; Flame Cut Br 100; FR 10; FR 10 (ether); FR 300; FR 300BA; FR-PE; FR-PE(H); FRP 53; HSDB 2911; NCI-C55287; Nonnen DP 10; Nonnen DP 10(F); NSC 82553; Octoguard FR-01; PBED 209; Pentabromophenyl ether; Planelon DB; Planelon DB 100; Planelon DB 101; Plasafety EB 10; Plasafety EBR 700; Saytex® 102; Saytex® 102E; Tardex 100; Thermoguard® 505. Flame retardant used in thermoplastics and fibers, including HIPS, glass-reinforced thermoplastic polyester molding resins, LDPE extrusion coatings, PP (homo and copolymers), ABS, nylon, PBT, PET, PU, SBR latex, textiles, rubber. Used in water-based polymers such as latex adhesives, binders, coatings, and foams. Electrical grade flame retardant for wire and cable insulation applications. Solid; mp = 300-310°; bp = 425°; d = 3.00; insoluble in H_2O (< 0.1 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg; experimental carcinogen with teratogenic and reproductive effects. *Albemarle Corp.; Allchem Ind.; AmeriBrom Inc.; Dead Sea Bromine; Elf Atochem N. Am.; Ethyl Corp.; Fluka; Great Lakes Fine Chem.; Rohm & Haas Co.; Sigma-Aldrich Fine Chem.*

1059 Decalin®

91-17-8 2866 G



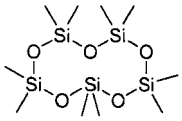
$C_{10}H_{18}$

Decahydronaphthalene.

3-05-00-00245 (Beilstein Handbook Reference); AI3-01256; Bicyclo(4.4.0)decane; BRN 0878165; CCRIS 3410; De-kalin; DEC; Decahydronaphthalene; Decalin; Dekalin; Dekalina; EINECS 202-046-9; HSDB 287; Naphthalane; Naphthalene, decahydro-; Naphthan; NSC 406139; Perhydronaphthalene; UN1147. A paint and resin solvent; used as turpentine substitute. Liquid; mp = -43°; bp = 155.5°, 194°; d^{22} = 0.8965; insoluble in H_2O; very soluble in organic solvents; LD_{50} (rat orl) = 4.2 g/kg. *DuPont.*

1060 Decamethylcyclopentasiloxane

541-02-6 2868 H



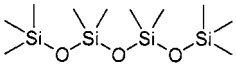
$C_{10}H_{30}O_5Si_5$

Cyclic dimethylsiloxane pentamer.

4-04-00-04128 (Beilstein Handbook Reference); BRN 1800166; CCRIS 1328; CD3770; Cyclic dimethylsiloxane pentamer; Cyclopentasiloxane, decamethyl-; D3770; Decamethylcyclopentasiloxane; Dekamethylcyklopenta-siloxan; Dimethylsiloxane pentamer; Dow Corning 345 fluid; Dow Corning 345; EINECS 208-764-9; HSDB 5683; KF 995; NUC silicone VS 7158; Polydimethylsiloxane; SF 1202; Silicon SF 1202; Union carbide 7158 silicone fluid; VS 7158. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. As cleaning, polishing, and damping media; offers low toxicity, inertness. *Degussa-Hüls Corp.*

1061 Decamethyltetrasiloxane

141-62-8 2870 G



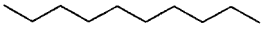
$C_{10}H_{30}O_3Si_4$

Tetrasiloxane, decamethyl-.

CD3780; D3780; Decamethyltetrasiloxane; EINECS 205-491-7. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used in cleaning, polishing and damping media; offers low toxicity, inertness. Liquid; mp = -76°; bp = 194°; d^{25} = 0.8536; insoluble in H_2O, slightly soluble in EtOH, soluble in C_6H_6, petroleum ether. *Degussa-Hüls Corp.*

1062 Decane

124-18-5 H



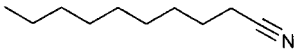
$C_{10}H_{22}$

n-Decane.

4-01-00-00464 (Beilstein Handbook Reference); AI3-24107; BRN 1696981; CCRIS 653; Decane; n-Decane; Decyl hydride; EINECS 204-686-4; HSDB 63; NSC 8781; UN2247. Liquid; mp = -29.7°; bp = 174.1°; d^{20} = 0.7300; insoluble in H_2O, slightly soluble in CCl_4, soluble in Et_2O, freely soluble in EtOH.

1063 Decanenitrile

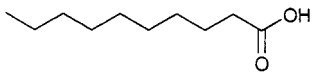
1975-78-6 G H



$C_{10}H_{19}N$
n-Decanonitrile.
AI3-11101; Caprinitrile; 1-Cyanononane; Decanenitrile; Decanonitrile; EINECS 217-830-6; Nitrile 10 D; NSC 6085. Chemical intermediate. Liquid; mp = -17.9°; bp = 243°, bp_{10} = 106°; d^{20} = 0.8199; very soluble in Me_2CO, EtOH, Et_2O, $CHCl_3$. *Berol Nobel AB.*

1064 Decanoic acid

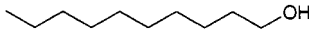
334-48-5 1764 G H



$C_{10}H_{20}O_2$
n-Decanoic acid.
4-02-00-01041 (Beilstein Handbook Reference); AI3-04453; BRN 1754556; C_{10} fatty acid; Capric acid; n-Capric acid; Caprinic acid; Caprynic acid; CCRIS 4610; Decanoic acid; n-Decanoic acid; Decoic acid; Decylic acid; Econosan Acid Sanitizer; EINECS 206-376-4; EPA Pesticide Chemical Code 128955; Fatty acid(C_{10}); FEMA No. 2364; Hexacid 1095; HSDB 2751; Neo-fat 10; NSC 5025. Used to manufacture esters used in perfumes and flavors; a base for wetting agents; an intermediate for chemical synthesis. Needles; mp = 31.9°; bp = 268.7°; d^{40} = 0.8858; insoluble in H_2O, very soluble in Me_2CO, C_6H_6, Et_2O, EtOH; LD_{50} (mus iv) = 129 mg/kg. *Akzo Chemie; Henkel/Emery; Mirachem Srl.; Procter & Gamble Co.; Sigma-Aldrich Fine Chem.; Witco/Humko.*

1065 Decanol

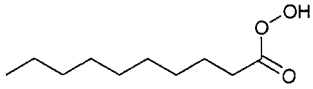
112-30-1 2875 G H



$C_{10}H_{22}O$
n-Decyl alcohol.
4-01-00-01815 (Beilstein Handbook Reference); Agent 504; AI3-02173; Alcohol C_{10}; Alfol 10; Antak; BRN 1735221; C 10 alcohol; C_{10} alcohol; Capric alcohol; Caprinic alcohol; Caswell No. 275A; CCRIS 654; Conol 10N; Decanol; 1-Decanol; Decan-1-ol; n-Decanol; n-Decan-1-ol; Decyl alcohol; Dytol S-91; EINECS 203-956-9; EPA Pesticide Chemical Code 079038; Epal 10; Exxal® 10; Fatty alcohol (C_{10}); FEMA Number 2365; HSDB 1072; 1-Hydroxydecane; Kalcohl 1098; Kalcohl 10H; Lorol 22; Nacol 10-99; Nonylcarbinol; n-Nonylcarbinol; NSC 406313; Primary decyl alcohol; Royaltac; Royaltac-85; Royaltac M-2; Sipol L10; T; T-148. Plant growth regulator. Registered by EPA as a herbicide and insecticide. Also used as a solvent. Viscous liqiud; mp = 6.9°; bp = 231.1°, bp_{15} = 115 - 120°, bp_8 = 109.5°; d_4^{20} = 0.8297; insoluble in H_2O, slightly soluble in CCl_4, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$. *Coastal Chemical Corp.; Drexel Chemical Co.; Exxon; Generic; Uniroyal.*

1066 Decanox-F

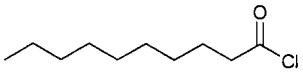
14156-10-6 G



$C_{10}H_{20}O_3$
Decanoyl peroxide.
Peroxydecanoic acid. Initiator for bulk, solution, and suspension polymerization, curing elastomers, and high-temp. cure of polyester resins. *Elf Atochem N. Am.*

1067 Decanoyl chloride

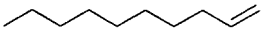
112-13-0 G



$C_{10}H_{19}ClO$
Capric acid chloride.
Capric acid chloride; Caprinoyl chloride; Decanoyl chloride. Intermediate, polymerization initiator. Liquid; mp = -34.5°; bp = 95°; d^{25} = 0.919; reacts with H_2O, soluble in Et_2O, CCl_4. *Elf Atochem N. Am.; Janssen Chimica.*

1068 Dec-1-ene

872-05-9 G H



$C_{10}H_{20}$
n-Dec-1-ene.
CCRIS 5718; α-Decene; 1-Decene; 1-n-Decene; Dec-1-ene; Decene, n-; Decylene; Dialene 10; EINECS 212-819-2; Gulftene 10; HSDB 1073; Neodene® 10; NSC 62122. Used as an intermediate in the manufacture of biodegradable surfactants and specialty industrial chemicals. Liquid; mp = -66.3°; bp = 170-171°; d^{20} = 0.7408; insoluble in H_2O, freely soluble in EtOH, Et_2O. *Shell UK; Shell.*

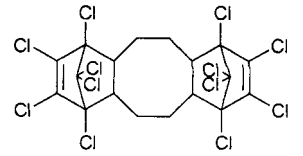
1069 Deceth-6

26183-52-8 G

$C_{22}H_{46}O_7$
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol.
Bio-soft® FF 400; Chemal DA-4; Deceth-4; Decyl alcohol, ethoxylated; α-Decyl-ω-hydroxypoly(oxy-1,2-ethanediyl); Decylpolyethyleneglycol 300; Desonic® DA-4; Desonic® DA-6; Emulphogene DA 630; Ethal DA-4; Genapol® DA-040; Iconol DA-4; Iconol DA-6; Iconal DA-9; Marlipal® 1012/4; Oxetal D 104; PEG-4 Decyl ether; Poly(oxy-1,2-ethanediyl), α-decyl-ω-hydroxy-; Polyethylene glycol 200 decyl ether; Polyoxyethylated (6) isodecyl alcohol; Polyoxyethylene (4) decyl ether; Polyoxyethylene monodecyl ether; Prox-onic DA-1/04; Rhodasurf® DA-4; 3,6,9,12-Tetraoxadocosan-1-ol; Trycol® 5950; Surfonic® DA-6; Synthrapol KB; PEG-6 decyl ether. Wetting agent for built scour systems. Detergent; penetrant; emulsifier for textiles, clay soils, fire fighting; surfactant. Oil; d = 1.0014; viscosity = 109 cps; HLB 12.5; hyd no 132; pour point =12.8°; cloud point = 42°. *Rhône Poulenc Surfactants.*

1070 Dechlorane® Plus

13560-89-9 2871 G H

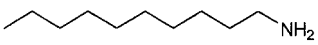


$C_{18}H_{12}Cl_{12}$
Dodecachlorododecahydrodimethanodibenzocyclooctane.
4-05-00-01783 (Beilstein Handbook Reference); AI3-27889; BRN 2195908; Dechloran A; Dechlorane 605; Dechlorane Plus; Dechlorane Plus 25; Dechlorane Plus 35; Dechlorane Plus 515; Dechlorane Plus 1000; Dechlorane Plus 2520; 1,4:7,10-

Dimethanodibenzo-(a,e)cyclooctane, 1,2,3,4,7,8,9,10,13,13,14,14-dodeca-chloro-; 1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-Dimethanodibenzo(a,e)cyclooctene,; EINECS 236-948-9. Chlorine-containing cycloaliphatic comp-ound. Used as a flame retardant in polymer systems (thermoplastics, thermosets and elastomers); usually combined with antimony oxide as a synergist. Colorless crystals; mp >325°; soluble in o-dichlorobenzene; LD_{50} (rat orl) = 25 g/kg. *OxyChem.*

1071 Decylamine

2016-57-1 G H



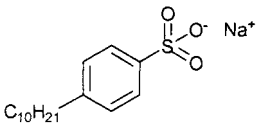
$C_{10}H_{23}N$

n-Decylamine.

4-04-00-00783 (Beilstein Handbook Reference); AI3-52306; Amine 10; Amine 12-98D; Aminodecane; 1-Aminodecane; BRN 1735220; 1-Decanamine; Decylamine; 1-Decylamine; n-Decylamine; EINECS 217-957-7; Kemamine P 190D; Laurarnine; Monodecylamine. Emulsifier and chemical intermediate; ethoxylated end products used in detergent, cosmetic, and agricutural applications. Liquid; mp = 16°; bp = 211°; d = 0.794. *Kao Corp. SA.*

1072 Decyl benzene sodium sulfonate

1322-98-1 G



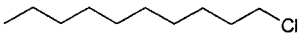
$C_{16}H_{26}NaO_3S$

Sodium decylbenzenesulfonate.

Benzenesulfonic acid, decyl-, sodium salt; Decylbenzenesulfonic acid, sodium salt; EINECS 215-347-5; Santomerse D; Sodium decylbenzene sulfonate; Sodium decylbenzenesulfonamide; Sodium decyl-benzenesulphonate; Ultrawet DS; Witconate DS; Sodium decylbenzenesulfonate; Ultrawet DS. Mixture of o, m and p-isomers. Detergent, foaming agent, and wetting agent. *CK Witco Corp.*

1073 Decyl chloride

1002-69-3 H



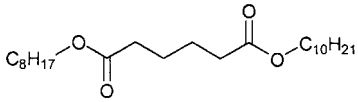
$C_{10}H_{21}Cl$

n-Decyl chloride.

1-Chlorodecane; 4-01-00-00469 (Beilstein Handbook Reference); BRN 1735224; Decane, 1-chloro-; Decyl chloride; EINECS 213-691-0; n-Decyl chloride; NSC 6088. Liquid; mp = -31.3°; bp = 223.4°; d^{20} = 0.8705; insoluble in H_2O, soluble in CCl_4, very soluble in Et_2O, $CHCl_3$. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

1074 Decyl octyl adipate

110-29-2 H



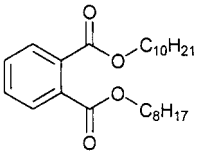
$C_{24}H_{46}O_4$

n-Decyl n-octyl hexanedioate.

Adipic acid, decyl octyl ester; Adipol ODY; Decyl octyl adipate; n-Decyl n-octyl hexanedioate; EINECS 203-754-0; Hercoflex 290; Hexanedioic acid, decyl octyl ester; HSDB 5397; Monoplex noda; Octyl decyl adipate; Px-202; Staflex NODA; Truflex 146.

1075 Decyl octyl phthalate

119-07-3 G



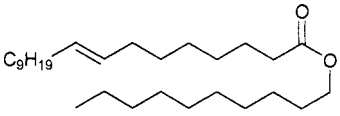
$C_{26}H_{42}O_4$

Octyldecyl phthalate.

4-09-00-03186 (Beilstein Handbook Reference); 1,2-Benzenedicarboxylic acid, decyl octyl ester; BRN 2009141; Decyl octyl phthalate; n-Decyl n-octyl phthalate; Decyl Octyl 1,2-benzenedicarboxylate; Dinopol 235; EINECS 204-295-9; Good-rite® GP-265; HSDB 1242; Octyl decyl phthalate; n-Octyl-n-decyl phthalate; Phthalic acid, decyl octyl ester; Polycizer 532; Polycizer 562; Staflex 500. Plasticizer used with vinyl polymers. Liquid; mp = -50°; bp_4 = 239°; d^{20}_{20} = 0.980; LD_{50} (rat orl) = 45 g/kg. *Goodrich B.F. Co.*

1076 Decyl oleate

3687-46-5 G



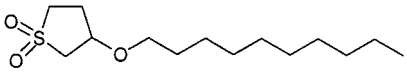
$C_{28}H_{54}O_2$

9-Octadecenoic acid(Z), decyl ester.

rCeraphyl® 140; Decyl 9-octadecenoate; Decyl oleate; EINECS 222-981-6; 9-Octadecenoic acid, decyl ester; 9-Octadecenoic acid (Z)-, decyl ester; 9-Octadecenoic acid (9Z)-, decyl ester; Oleic acid, decyl este. Emollient; binder for pressed powders; pigment dispersant; co-solvent. *Van Dyk.*

1077 3-Decyloxysulfolane

18760-44-6 H



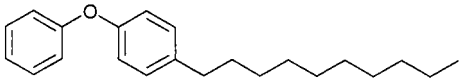
$C_{14}H_{28}O_3S$

Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide.

3-Decyloxysulfolane; 3-(Decyloxy)tetrahydrothiophene 1,1-dioxide; EINECS 242-556-9; Tetrahydro-3-(decyl-oxy)thiophene 1,1-dioxide; Thiophene, 3-(decyloxy)-tetrahydro-, 1,1-dioxide; Thiophene, tetrahydro-3-(decyloxy)-, 1,1-dioxide.

1078 Decylphenoxybenzene

69834-17-9 H



$C_{22}H_{30}O$

Benzene, decylphenoxy-.

Benzene, decylphenoxy-; (Decylphenoxy)benzene;

Decylphenoxybenzene; EINECS 274-140-8.

1079 Decyl(sulfophenoxy)benzenesulfonic acid

70191-75-2 H

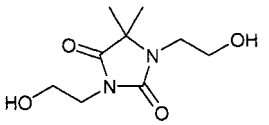
$C_{22}H_{30}O_7S_2$

Benzenesulfonic acid, decyl(sulfophenoxy)-.

Benzenesulfonic acid, decyl(sulfophenoxy)-; Benzene-sulfonic acid, decyl(sulphophenoxy)-; Decyl(sulfophen-oxy)benzenesulfonic acid.

1080 DEDM hydantoin

26850-24-8 G



$C_9H_{16}N_2O_4$

1,3-Bis(2-hydroxyethyl)-5,5-dimethylimidazolidine-2,4-dione.

1,3-Bis(2-hydroxyethyl)-5,5-dimethyl-2,4-imidazolidinedione; Dantocol® DHE; DEDM Hydantoin; Di-(2-hydroxyethyl)-5,5-dimethyl hydantoin; 1,3-Di-(hydroxyethyl)-5,5-dimethylhydantoin; Diethylol dimethyl hydantoin; EINECS 248-052-5; 2,4-Imidazolidinedione, 1,3-bis(2-hydroxyethyl)-5,5-dimethyl-. Resin crosslinker in coatings and polymers; intermediate for epoxies, urethane resins, and antistatic lubricants for the textile and plastics industries. Crystals; mp = 63°; pH 6.5 (5%). *Lonzagroup.*

1081 Dehydrated castor oil

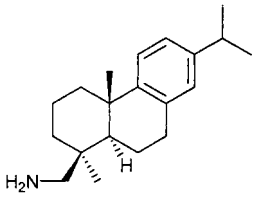
64147-40-6 H

Castor oil, dehydrated.

Castor oil, dehydrated; Dehydrated castor oil; EINECS 264-705-7.

1082 Dehydroabietylamine

1446-61-3 G P



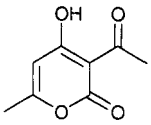
$C_{20}H_{31}N$

1R-1α,2,3,4,4aβ,9,10,10aα-Octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenemethanamine.

4-12-00-03005 (Beilstein Handbook Reference); Amine D; BRN 3084620; Caswell No. 276; Dehydro-abietylamine; EPA Pesticide Chemical Code 004206; HSDB 5665; 13-Isopropylpodocarpa-8,11,13-trien-15-amine; Podocarpa-8,11,13-trien-15-amine, 13-isopropyl-. Used as asphalt additive, as cationic collectors for calcite, sylrite, mica, feldspar, vermicilulite and phosphate rock concentration operations. Registered by EPA as an antimicrobial and fungicide (cancelled). Crystals; $[\alpha]_D^{20}$= +56.10 (c=2.4, pyridine). *Fluka; Hercules Inc.*

1083 Dehydroacetic acid

520-45-6 2885 G



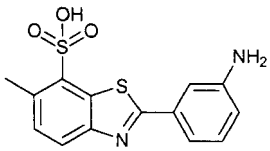
$C_8H_8O_4$

3-acetyl-6-methyl-2H-pyran-2,4(3H)-dione, ion(1-).

4-17-00-06699 (Beilstein Handbook Reference); Acetic acid, dehydro-; 2-Acetyl-5-hydroxy-3-oxo-4-hexenoic acid, delta-lactone; 3-Acetyl-4-hydroxy-6-methyl-2H-pyran-2-one; 3-Acetyl-6-methyldihydropyrandione-2,4; 3-Acetyl-6-methyl-2,4-pyrandione; 3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione; 3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione. enol form; 3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione, ion(1-),; AI3-01464; Biocide 470F; BRN 0006129; Caswell No. 278; Dehydracetic acid; Dehydroacetic acid; DHA; DHAA; DHS; EINECS 208-293-9; EPA Pesticide Chemical Code 027801; 4-Hexenoic acid, 2-acetyl-5-hydroxy-3-oxo-, delta-lactone; HSDB 291; Kyselina dehydroacetova; Methylaceto-pyronone; NSC 8770; 2H-Pyran-2-one, 3-acetyl-4-hydroxy-6-methyl-; 2H-Pyran-2,4(3H)-dione, 3-acetyl-6-methyl-. A fungicide, bactericide, plasticizer and chemical intermediate. Used in medicated toothpastes. Crystals; mp = 109°; bp = 270°; very soluble in H_2O, Et_2O, slightly soluble in EtOH, $CHCl_3$; LD_{50} (rat orl) = 570 mg/kg.

1084 Dehydrothio-p-toluidinesulfonic acid.

130-17-6 G



$C_{14}H_{12}N_2O_3S_2$

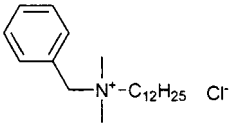
2-(4-Aminophenyl)-6-methyl-7-benzothiazolesulfonic acid.

2-27-00-00492 (Beilstein Handbook Reference); 2-(4-Aminophenyl)-6-methylbenzothiazole-7-sulphonic acid; 2-(p-Aminophenyl)-6-methyl-7-benzothiazolesulfonic acid; 2-(p-Aminophenyl)-6-methylbenzothiazolyl-7-sulf-onic acid; 7-Benzothiazolesulfonic acid, 2-(p-aminophenyl)-6-methyl-; BRN 0313390; Dehydrothio-p-toluidinesulfonic acid; D.T.S.; EINECS 204-979-7; NSC 203387; p-(6-Methyl-7-sulfobenzothiazole)aniline.

Chemical intermediate. Crystals; mp > 300°; soluble in DMSO, insoluble in H_2O, organic solvents; LD_{50} (mus iv) = 178 mg/kg.

1085 Dehyquart LDB

139-07-1 G



$C_{21}H_{38}ClN$

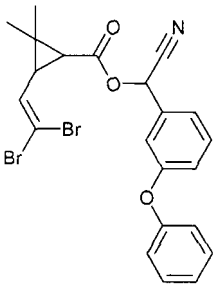
Lauralkonium chloride.

Ammonium, benzyldimethyldodecyl-, chloride; Amoryl BR 1244; Bas 2631; Benzenemethanaminium, N-dodecyl-N,N-dimethyl-, chloride; Benzenemethan-aminium, N,N-dimethyl-N-dodecyl-, chloride; Benzododecinii chloridum; Benzododecinio cloruro; Benzododecinium chloride; Benzyldimethyldodecyl-ammonium chloride; Benzyldodecyldimethylammonium chloride; N-Benzyl-N-dodecyl-N,N-dimethylammonium chloride; Benzyl-lauryldimethylammonium chloride; Caswell No. 073A; Caswell No. 416C; Catigene OM; Catinal CB 50; Catiogen PAN; Catiolite BC 50; Cequartyl A; Chlorure de benzododecinium; Cloruro de

benzododecinio; Dehyquart LDB; Dimethylbenzyl-dodecylammonium chloride; Dimethylbenzyllauryl-ammonium chloride; Dimethyldodecylbenzylammonium chloride; Dodecylbenzyldimethylammonium chloride; Dodecyldimethylbenzylammonium chloride; n-Dodecyl-dimethylbenzylammonium chloride; N-Dodecyl-N,N-dimethylbenzenemethanaminium chloride; N-Dodecyl-N,N-dimethyl-N-benzylammonium chloride; N-Dodecyl-N,N-dimethylbenzenemethanaminium chloride; N-Dodecyldimethylbenzylammonium chloride; DYK 1125; EINECS 205-351-5; EPA Pesticide Chemical Code 069124; Lauralkonium chloride; Lauryl dimethyl benzyl ammonium chloride; Laurylbenzalkonium chloride; Laurylbenzyldimethylammonium chloride; Lauryldi-methylbenzylammonium chloride; Loraquat B 50; N-Lauryldimethylbenzylammonium chloride; Noramium DA 50; NSC 85508; Orthosan HM; QBA 1211; Retarder N; Rewoquat B 50; Rolcril; Swanol CA 100; Swanol CA 101; Tetranil BC 80; Texnol R 5; Triton K60; Vantoc CL; Zephirol. Bactericide and fungicide for disinfectants; emulsifier; external antistat for plastics. *Henkel/Organic Prods.*

1086 Deltamethrin

52918-63-5 2902 G P



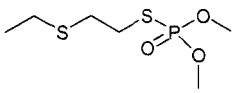
$C_{22}H_{19}Br_2NO_3$

(1R-(1α(S*),3α))- 3-(2,2-Dibromoethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl cyclopropanecarboxy-late.

AI3-29279; Butoflin; Butoss; Butox; CCRIS 3704; Cislin; Crackdown; (S)-α-cyano-3-phenoxybenzyl (1R)-3-(2,2-dibromovinyl)-2,2-dimethyl-cyclopropane carboxylate Decamethrin; Decamethrin; Decamethrine; Decis; Decis 0.5ULV; Decis 1.5ULV; Decis 2.5ULV; Dekametrin (Hungarian); Delsekte; Deltacide; DeltaGard; Deltagran; Deltamethrin; Deltamethrine; Deltametryna; EINECS 258-256-6; EPA Pesticide Chemical Code 978051; Esbecythrin; FMC 45498; Glossinex 200; HSDB 6604; IPO 8831; K-Obiol; K-Otek; K-Othrin; K-Othrine; New Musigie; NRDC 161; OMS 1988; Phagase 1; RU 22974; RUP 987; Stricker; Suspend; Thripstick®; Zodiac; Zorcis. A fast-acting non-systemic pyrethroid insecticide with contact and stomach action. Used to control many species of insect in many crops. Non-phytotoxic. Registered by EPA as an insecticide. Crystals; mp ▫ 98 - 101°; insoluble in H_2O (< 0.0000002 g/100ml), soluble in dioxane (90 g/100 ml), cyclohexanone (75 g/100 ml), CH_2Cl_2 (70 g/100 ml), Me_2CO (50 g/100 ml), C_6H_6 (45 g/100 ml), DMSO (45 g/100 ml), xylene (25 g/100 ml), EtOH (1.5 g/100 ml), i-PrOH (0.6 g/100 ml); LD_{50} (mrat orl) = 128 mg/kg, (frat orl) = 139 mg/kg (in vegetable oil), (frat iv) = 4 mg/kg, (rat, rbt der) > 2000 mg/kg, (mallard duck orl) > 4640 mg/kg; LC_{50} (rat ihl 6 hr.) = 0.6 mg/l air, (mallard duck 8 day dietary) > 4640 mg/kg diet, (quail 8 day dietary) > 10000 mg/kg diet, (fish) 0.001 - 0.01 mg/l; toxic to bees, also repellant. *AgrEvo; Aventis Environmental Science USA LP; Bonide Products, Inc.; Rhône-Poulenc; S.C. Johnson & Son, Co.*

1087 Demeton-S-methyl

919-86-8 6077 G P



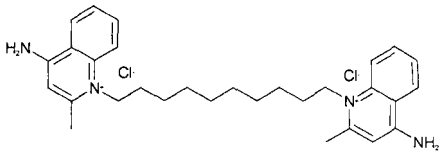
$C_6H_{15}O_3PS_2$

S-[2-(Ethylthio)ethyl] O,O-dimethyl phosphorothioate.

Bay 18436; Bay 25/154; DSM; Duratox; Metasystox 55; Metasystox I; Methyl demeton; Methylmercaptofostiol; Mifatox; Persyst; Power DSM. Systemic insecticide and acaricide with contact and stomach action. Used for control of aphids and other insects in a wide variety of crops. Emulsifiable concentrate containing 580 g de-meton-S-methyl per liter is used as a systemic organophosphorus insecticide and acaricide. Pale yellow oil; bp_1= 118°; d^{20} = 1.207; soluble in H_2O (0.33 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 40 - 106 mg/kg, (rat der) = 30 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.5 mg/l air, (rainbow trout, carp, Japanese killifish 48 hr.) > 10 mg/l; toxic to bees. *Bayer Corp.*

1088 Dequalinium Chloride

522-51-0 2930 D G



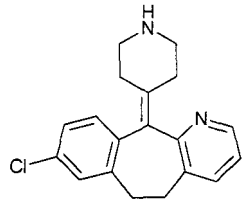
$C_{30}H_{40}Cl_2N_4$

1,1'-(1,10-Decanediyl)bis[4-amino-2-methylquinolinium chloride].

BADQ-10; Chlorure de dequalinium; Cloruro de decalinio; Decamine; Decaminum; Decatylen; Dekadin; Dekamiln; Dekamin; Dequadin; Dequadin Chloride; Dequafungan; Dequafungen; Dequalin chloride; Dequalinii chloridum; Dequalinio cloruro; Dequalinium chloride; Dequavagyn; Dequavet; Dynexan-mhp; Efisol; EINECS 208-330-9; Eriosept; Erosept; Evazol; Grocreme; Ivazil; Labosept; NSC 166454; Optipect; Oralgol; Phylletten; Polycidine; Rumilet; Sanoral; Sentril; Sorot. Antibacterial agent. Solid; mp = 326°; soluble in H_2O.

1089 Desloratadine

100643-71-8 2939 D



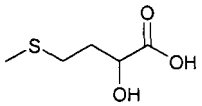
$C_{19}H_{19}ClN_2$

8-Chloro-6,11-dihydro-22-(4-piperidinylidene)-5H-benzo(5,6)cyclohepta(1,2-b)pyridine.

Clarinex; Descarboethoxyloratadine; Desloratadine; Sch 34117. FDA-approved 21 December, 2001 for the relief of the nasal and non-nasal symptoms of seasonal allergic rhinitis in patients 12 years of age and older. USP 4,659,716 (21 April, 1987) to Schering Corp. Crystals; mp = 150-151°. *Schering-Plough Pharm.*

1090 Desmeninol

583-91-5 6005 G V



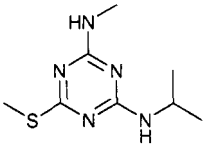
$C_5H_{10}O_3S$

2-Hydroxy-4-(methylthio)-butanoic acid.

Alimet; Butanoic acid, 2-hydroxy-4-(methylthio)-; Butyric acid, 2-hydroxy-4-(methylthio)-; EINECS 209-523-0; γ-(Methylthio)-α-hydroxybutyric acid; α-Hydroxy-γ-(methylmercapto)butyric acid; α-Hydroxy-γ-(methylthio)butyric acid; 2-Hydroxy-4-(methylthio)butyric acid; 2-Hydroxy-4-(methylthio)butanoic acid; HSDB 5700; Methionine hydroxy analog; MHA; MHA acid; MHA-FA. Used as a feed additive for livestock, especially poultry. *Monsanto Co.*

1091 Desmetryn

1014-69-3 G P



$C_8H_{15}N_5S$

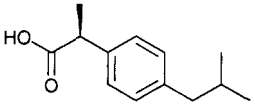
N-Methyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine.

BRN 0612017; Caswell No. 509B; Desmetryn; Desmetryne; EPA Pesticide Chemical Code 080810; G 34360; GS 34360; HSDB 1729; 2-(Isopropylamino)-4-(methylamino)-6-(methylthio)-s-triazine; 2-Isopropyl-amino-4-methylamino-6-methylthio-1,3,5-triazine; 2-Isopropilamino-4-metilamino-6-metiltio-1,3,5-triazina; 2-Isopropylamino-4-methylamino-6-methylmercapto-s-triazine; 2-Methylamino-4-methylthio-6-isopropylamino-1,3,5-triazine; 2-(Methylthio)-4-(methylamino)-6-(iso-propylamino)-s-triazine; 2-Methylthio-4-isopropylamino-6-methylamino-s-triazine; 2-Methylmercapto-4-methyl-amino-6-isopropylamino-s-triazine; Methylmercapto-4-isopropylamino-6-methylamino-s-triazine; N-Methyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine; N2-Isopropyl-N4-methyl-6-methylthio-1,3,5-triazine-2,4-diamine; Norametryne; Samuron; Semeron; Semeron-25; Semeron 250; Topusyn; s-Triazine, 2-(isopropylamino)-4-(methylamino)-6-(methylthio)-; 1,3,5-Triazine-2,4-diam-ine, N-methyl-N'-(1-methylethyl)-6-(methylthio)-.

Selective systemic herbicide, inhibits photosynthesis. Used for post-emergence control of broad-leaved weeds and some grasses in brassicas, herbs, onions, leeks and conifer seed beds. Crystals; mp = 84 - 86°; soluble in H_2O (0.058 g/100 ml), MeOH (30 g/100 ml), Me_2CO (23 g/100 ml), CH_2Cl_2 (20 g/1200 ml), C_7H_8 (20 g/100 ml), C_8H_{14} (0.26 g/100 ml); LD_{50} (rat orl) = 1390 mg/kg, (rat der) > 1000 mg/kg; toxic to fish; non-toxic to bees. *Ciba-Geigy Corp.; Syngenta Crop Protection.*

1092 Dexibuprofen

51146-56-6 4906 D



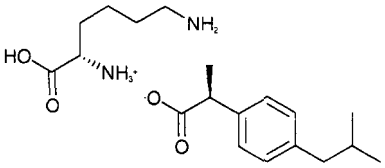
$C_{13}H_{18}O_2$

(+)-(S)-p-Isobutylhydratropic acid.

Dexibuprofen; Dexibuprofene; Dexibuprofeno; Dexi-buprofenum; d-Ibuproten. A cyclooxygenase inhibitor used as an analgesic and anti-inflammatory. *Merck & Co.Inc.*

1093 Dexibuprofen lysine

141505-32-0 4906 D



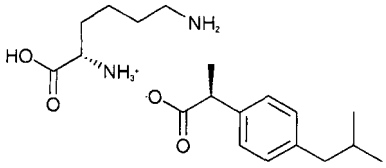
$C_{19}H_{34}N_2O_5$

(+)-(S)-p-Isobutylhydratropic acid L-lysine salt monohydrate.

Ibuprofen S-form L-lysine salt; ML-223; MK-223; Doctrin. S-Form of ibuprofen L-lysine salt. Cyclooxygenase inhibitor. Analgesic; anti-inflammatory. *Merck & Co.Inc.*

1094 Dexibuprofen lysine [anhydrous]

141505-32-0 4906 D



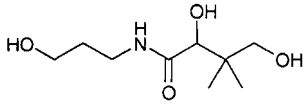
$C_{19}H_{3}N_2O_4$

(+)-(S)-p-Isobutylhydratropic acid L-lysine salt.

L-669445. S-Form of ibuprofen L-lysine salt. Cyclooxygenase inhibitor.Analgesic; anti-inflammatory. *Merck & Co.Inc.*

1095 Dexpanthenol

81-13-0 2964 G



$C_9H_{19}NO_4$

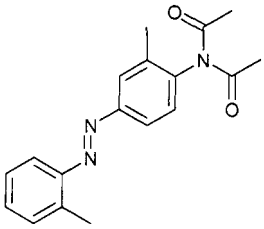
d-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutanamide.

4-04-00-01652 (Beilstein Handbook Reference); Alcopan-250; Bepanthen; Bepanthene; Bepantol; BRN 1724947; Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)-; Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (Θ)-; Butyramide, 2,4-di-hydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, D-(+)-; CCRIS 3947; Cozyme; Dexpantenol; Dexpanthenol; Dexpanthenolum; Dextro pantothenyl alcohol; D-(+)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutyramide; (R)-2,4-Dihydroxy-N-(3-hydroxy-propyl)-3,3-dimethyl-butanamide; 2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutanamide, (R)-; 2,4-Dihydroxy-N-(3-hydroxy-propyl)-3,3-dimethylbutyramide, D-(+)-; D-P-A Injection; EINECS 201-327-3; HSDB 296; Ilopan; Intrapan; Motilyn; NSC 302962; Panadon; Pantenyl; (+)-Panthenol; d(+)-Panthenol; D-Panthenol; D-Panthenol 50; Panthoderm; Pantol; Pantothenol; Pantothenol, D-; d-Pantothenol; Pantothenyl alcohol; d-Pantothenyl alcohol; D-Pantothenyl alcohol; D(+)-Pantothenyl alcohol; Pantothenylol; Penthenol; Propanolamine, N-pantoyl-; Provitamin B; Provitamin B5; Ritapan D; Synapan; Thenalton; Urupan; Zentinic. Nutrient, humectant for hair and skin care formulations; hair repair agent; soothing to skin. Nutritional factor, source of pantothenic acid. Liquid; $bp_{0.02}$ = 118-120°; d_{20}^{20} = 1.2; $[\alpha]_D^{20}$ = 30° (c = 5); soluble in H_2O, EtOH. *Hoffmann-LaRoche Inc.; Roche Vitamins Inc.*

1096 **Dextran**
9004-54-0 2965 D E G

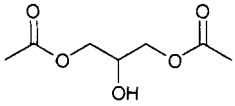
$(C_6H_{10}O_5)_n$
Dextran.
CCRIS 2469; Dextran; Dextran 40; Dextran 70; Dextrano; Dextrans; Dextranum; Dextranum 40,70; Dextraven; EINECS 232-677-5; Eudextran; Gentran; Gentran 40; Hemodex; Intradex; LMD; LMWD; Lomodex 40; LVD; Macrodex; Macrose; Onkotin; Plavolex; Polyglucin; Polyglucinum; Promit; Rheomacrodex; Rheopolyglucine; Rheotran. Polysaccharide composed primarily of D-glucose units linked α-D-(1→6); produced by *Leuconostoc mesenteroides, L. dextranicum (Lactobacteriaceae)*. Used as a blood plasma substitute or extender, in confections, lacquers, oil-well drilling muds, filtration gel, food additive. *Accurate Chem. & Sci. Corp.; Am. Biorganics; Baxter Healthcare Systems; CIBA Vision AG; Lancaster Synthesis Co.; McGaw Inc.; Pharmacia & Upjohn AB; Pharmacia; Spectrum Chem. Manufacturing; U.S. BioChem.*

1097 **Diacetazotol**
83-63-6 G



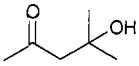
$C_{18}H_{19}N_3O_4$
N,N-Diacetyl-o-tolylazo-o-toluidine.
3-16-00-00387 (Beilstein Handbook Reference); Acetamide, N-acetyl-N-(2-methyl-4-((2-methylphenyl)-azo)phenyl)-; N-Acetyl-N-(2-methyl-4-((2-methylphenyl)-azo)phenyl)acetamide; BRN 0686326; Dermagan; Dermagen; Diacetazotol; Diacetotoluide; o-Diacetotoluidide, 4''-(o-tolylazo)-; Diacetylaminoazotoluene; Diamazo; Dimazon; EINECS 201-490-0; Epidermol; Epithelone; Granulin; NSC 6509; Pellidol; Pellidole; Periphermin; 4-o-Tolylazo-o-diacetotoluide; 4'-(o-Tolylazo)-o-diacetotoluidide; N-(4-o-Tolylazo-o-tolyl)diacetamide. A red dye used in ointment or as a dusting powder. Crystallizes in two modifications: brick-red needles, mp = 65°, or stout, red prisms, mp = 75°; insoluble in H_2O; soluble in organic solvents.

1098 **Diacetin**
25395-31-7 2980 G



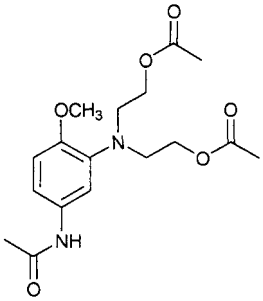
$C_7H_{12}O_5$
Glycerol diacetate.
Acetin, di-; AI3-00676; Diacetin; Diacetylglycerol; EINECS 246-941-2; Estol 1582; Estol 1583; Glycerin diacetate; Glycerine diacetate; Glycerol diacetate; Glycerol 1,3-di(acetate); 1,2,3-Propanetriol, diacetate. Auxiliary for use in foundries. mp = -30°; bp = 280°; d = 1.18; LD_{50} (mus orl) = 8500 mg/kg. *Bayer AG.*

1099 **Diacetone alcohol**
123-42-2 2983 G H



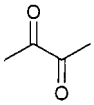
$C_6H_{12}O_2$
4-Hydroxy-4-methylpentan-2-one.
4-01-00-04023 (Beilstein Handbook Reference); Acetonyldimethylcarbinol; AI3-00045; BRN 1740440; Caswell No. 280; CCRIS 6177; Diacetonalcohol; Diacetonalcool; Diacetonalkohol; Diacetone; Diacetone alcohol; Diacetone-alcool; Diacetonyl alcohol; Diketone alcohol; Dimethyl acetonyl carbinol; EINECS 204-626-7; EPA Pesticide Chemical Code 033901; HSDB 1152; 4-Hydroxy-4-methyl-pentan-2-on; 4-Hydroxy-4-methyl-pentan-2-one; 4-Idrossi-4-metil-pentan-2-one; NSC 9005; 2-Pentanone, 4-hydroxy-4-methyl-; Pyranton; Pyranton A; Tyranton; UN1148. Solvent for nitrocellulose, cellulose acetate, oils, resins, waxes, fats, dyes, tars, lacquers, dopes, coatings, wood preservatives, rayon, artificial leather, metal cleaning; laboratory reagent; hydraulic fluids; textile stripping agent. Liquid; mp = -44°; bp = 167.9°; d^{20} = 0.9387; λ_m = 238, 281 nm (MeOH); soluble in $CHCl_3$, freely soluble in H_2O, EtOH, Et_2O; LD_{50} (rat orl) = 4.0 g/kg. *Allchem Ind.; BP Chem.; Elf Atochem N. Am.; Hoechst Celanese; Shell; Union Carbide Corp.*

1100 **3-Diacetoxyethylamino-4-methoxy-acetanilide**
23128-51-0 H



$C_{17}H_{24}N_2O_6$
Acetamide, N-(3-(bis(2-(acetyloxy)ethyl)amino)-4-meth-oxyphenyl)-.
Acetamide, N-(3-(bis(2-(acetyloxy)ethyl)amino)-4-meth-oxyphenyl)-; 2,2'-((5-Acetamido-2-methoxyphenyl)-imino)diethyl diacetate; p-Acetanisidide, 3'-(bis(2-hydroxyethyl)amino)-, diacetate (ester) N-(3-(Bis(2-acetoxyethyl)amino)-4-methoxyphenyl)acetamide; EINECS 245-441-1; 3-Diacetoxyethylamino-4-methoxy-acetanilide.

1101 **Diacetyl**
431-03-8 2985 G

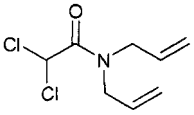


$C_4H_6O_2$
2,3-Butanedione.
4-01-00-03644 (Beilstein Handbook Reference); AI3-03313; Biacetyl; BRN 0605398; Butadione; 2,3-Butadione; Butanedione; 2,3-Butanedione; CCRIS 827; Diacetyl; 2,3-Diketobutane; 2,3-Dioxobutane; Dimethyl diketone; Dimethyl glyoxal; Dimethylglyoxal; EINECS 207-069-8; FEMA No. 2370; Glyoxal, dimethyl-; HSDB 297; NSC 8750; UN2346. Aroma carrier in food products. Liquid; mp = -1.2 °; bp = 88°; d^{15} = 0.9808; λ_m = 290 nm (MeOH); soluble in C_6H_6, CCl_4, very soluble in H_2O, Me_2CO, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1580 mg/kg. *Penta Mfg.; Sigma-Aldrich Fine*

Chem.

1102 N,N-Diallyldichloroacetamide

37764-25-3 H



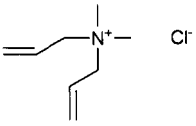
$C_8H_{11}Cl_2NO$

2,2-Dichloro-N,N-di-2-propenylacetamide.

4-04-00-01064 (Beilstein Handbook Reference); Acet-amide, 2,2-dichloro-N,N-di-2-propenyl-; Acetamide, N,N-diallyl-2,2-dichloro-; BRN 1768843; Compound R-25788; Dichlormid; 2,2-Dichloro-N,N-di-2-propenyl-acetamide; EINECS 253-658-8; N,N-Diallyl-2,2-dichloroacetamide; N,N-Diallyldichloroacetamide; R-25788; Stauffer R-25788.

1103 Diallyldimethylammonium chloride

7398-69-8 G H



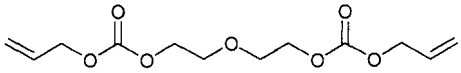
$C_8H_{16}ClN$

2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride.

Ageflex mDMDAC; Ageflex NB-50; Agestat 41; Ammonium, diallyldimethyl-, chloride; Dimethyl-diallylammonium chloride; N,N-Dimethyl-N-2-propenyl-2-propen-1-aminium chloride; EINECS 230-993-8; NSC 59284. Monomer for synthesis of homo and copolymers used as coagulant and flocculants for water treatment, mineral processing, demulsifier for petrol, recovery, electrically conductive paper and coatings, wet and dry strength resins, antistatic additives and coatings; cosmetic additives in hair conditioners, biocides, detergent additives, water-soluble polymers and electrographic paper and film. Paper industry retention aid, pigment dispersion, drainage aid, fiber dewatering, stabilizer for sizes, electroconductive polymer, recycling operations, raw and waste water clarification. Solid; soluble in H_2O; d = 1.04; mildly corrosive; nonhazardous. *Rit-Chem.*

1104 Diallyl glycol carbonate

142-22-3 H



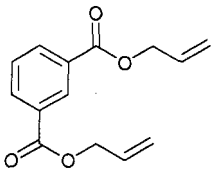
$C_{12}H_{18}O_7$

Diethylene glycol, bis(allyl carbonate).

01M; 4-03-00-00012 (Beilstein Handbook Reference); AI3-07498; Allyl diglycol carbonate; BRN 1803874; Diethylene glycol, bis(allyl carbonate); High ADC-CR 39; HSDB 5638; Nouryset 200; NSC 5246; RAV 7N; Transallyl CR 39; TS 16.

1105 Diallyl isophthalate

1087-21-4 G



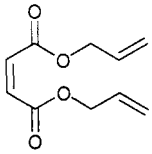
$C_{14}H_{14}O_4$

Isophthalic acid, di-(2-propenyl) ester.

4-09-00-03295 (Beilstein Handbook Reference); AI3-16904; 1,3-Benzenedicarboxylic acid, di-2-propenyl ester; BRN 2055011; Dapon M; Dappu 100; Di-2-propenyl isophthalate; EINECS 214-122-9; Isophthalic acid, diallyl ester; NSC 6098. Used as a molding material. *FMC Corp.*

1106 Diallyl maleate

999-21-3 G



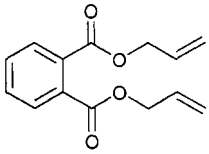
$C_{10}H_{12}O_4$

2-Butenedioic acid, di-2-propenyl ester, (Z)-.

4-02-00-02214 (Beilstein Handbook Reference); AI3-02531; BRN 1725954; 2-Butenedioic acid (2Z)-, di-2-propenyl ester; Diallyl maleate; Diallylester kyseliny maleinove; EINECS 213-658-0; Maleic acid, diallyl ester; NSC 4799; Sipomer DAM. Used in manufacture of polymers, copolymers and insecticides. Liquid; bp_{10} = 129°, bp_3 = 109°; d^{20} = 1.075; soluble in $CHCl_3$. *Aceto Corp.; Ashland.*

1107 Diallyl phthalate

131-17-9 G H



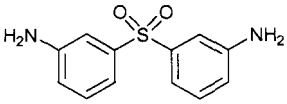
$C_{14}H_{14}O_4$

Di-2-propenyl 1,2-benzenedicarboxylate.

4-09-00-03188 (Beilstein Handbook Reference); AI3-02574; Allyl phthalate; BRN 1880877; CCRIS 1361; Dapon 35; Dapon R; Decobest DA; Di-2-propenyl 1,2-benzenedicarboxylate; Diallyl phthalate; Diallylester kyseliny ftalove; EINECS 205-016-3; HSDB 4169; NCI-C50657; Nonflammable Decobest DA; NSC 7667; Phthalic acid, diallyl ester; RX® 1-501N. A mineral reinforced; thermoset molding material used in decorative laminates. Liquid; mp = -70°; bp_5 = 165-167°; d = 1.1200; n_D^{20}= 1.5194; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat ort) = 656 mg/kg. *Allchem Ind.; Arco; BP Chem.; Hall C.P.; OxyChem; Sumitomo Corp.; Van Waters & Rogers.*

1108 3,3'-Diaminodiphenylsulfone

599-61-1 G



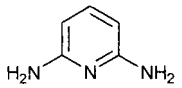
$C_{12}H_{12}N_2O_2S$

Bis(m-aminophenyl) sulfone.

4-13-00-01009 (Beilstein Handbook Reference); AI3-52564; Aniline, 3,3'-sulfonyldi-; Benzenamine, 3,3'-sulfonylbis-; BRN 2215938; 3,3'-Diaminodifenylsulfon; 3,3'-Diaminodiphenyl sulfone; 3,3'-Diaminophenyl sulfone; EINECS 209-967-5; NSC 20610; Sulfone, bis(3-aminophenyl); Sulfone, bis(m-aminophenyl); 3,3'-Sulfonylbis(aniline); 3,3'-Sulfonylbisbenzenamine; 3,3'-Sulfonyldianiline; 3,3'-Sulphonyldianiline; 3,3'-sulfonyldianiline; 3-Aminophenyl sulphone. Crystals; mp = 171-172°; irritant. *BASF Corp.; Lancaster Synthesis Co.; Mitsui Toatsu.*

1109 2,6-Diaminopyridine

141-86-6 G



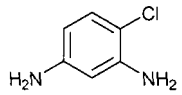
$C_5H_7N_3$

2,6-Pyridinediamine.

5-22-11-00255 (Beilstein Handbook Reference); AI3-18054; BRN 0108513; CCRIS 6682; DAP; DAP (amine); 2,6-Diaminopyridine; EINECS 205-507-2; NSC 1921; 2,6-Pyridinediamine; Pyridine, 2,6-diamino-; Pyridine-2,6-diyldiamine. Used as a chemical intermediate. Crystals; mp = 121.5°; bp = 285°, bp_5 = 148°; λ_m = 244, 308 nm (MeOH); slightly soluble in H_2O, Me_2CO. *Cilag-Chemie Ltd.; Janssen Chimica; Lancaster Synthesis Co.; Reilly Ind.*

1110 2,4-Diaminotoluene

95-80-7 H



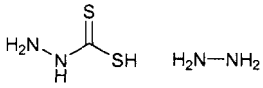
$C_7H_{10}N_2$

1,3-Benzenediamine, 4-methyl-.

4-13-00-00235 (Beilstein Handbook Reference); 5-Amino-o-toluidine; AI3-03717; Benzenediamine, ar-methyl-; Benzofur MT; BRN 2205839; Brown for Fur T; CCRIS 202; CI Oxidation Base 35; Developer 14; Developer B; Developer DB; Developer DBJ; Developer MC; Developer MT; Developer MT-CF; Developer MTD; Developer T; EINECS 202-453-1; Eucanine GB; Fouramine J; Fourrine 94; Fourrine M; HSDB 2849; 4-Methyl-1,3-benzenediamine; 4-Methyl-m-phenylene-diamine; Nako TMT; NCI-C02302; Pelagol Grey J; Pelagol J; Pontamine developer TN; RCRA waste number U221; Renal MD; TDA; Tertral G; Toluenediamine; Toluenediamine, o-; Toluene-2,4-diamine; m-Toluene-diamine; m-Toluylendiamin; Tolylene-2,4-diamine; m-Tolylenediamine; 4-m-Tolylenediamine; meta-Tolyl-enediamine; UN1709; Zoba GKE; Zogen Developer H. Needles; mp = 99°; bp = 292°; λ_m = 294 nm (MeOH); very soluble in H_2O, EtOH, Et_2O, C_6H_6, soluble in $CHCl_3$.

1111 Diammonium dithiocarbazate

20469-71-0 H



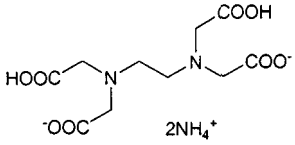
$CH_4N_2S_2.H_4N_2$

Dithiocarbonic acid monohydrazide hydrazine salt.

Carbazic acid, dithio-, compd. with hydrazine (1:1); Carbazic acid, dithio-, hydrazine (salt); Carbazic acid, dithio-, hydrazinium salt; Diammonium dithiocarbazate; Dithiocarbazic acid, compound with hydrazine (1:1); Dithiocarbazic acid hydrazine (salt); Dithiocarbonic acid monohydrazide hydrazine salt; EINECS 243-844-7; Hydrazinecarbodithioic acid, compd. with hydrazine (1:1); Hydrazinium dithiocarbazate; NSC 512576.

1112 Diammonium EDTA

20824-56-0 H



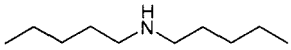
$C_{10}H_{22}N_4O_8$

Ethylenediaminetetraacetic acid, diammonium salt.

Acetic acid, (ethylenedinitrilo)tetra-, diammonium salt; Diammonium edetate; Diammonium EDTA; Di-ammonium N,N'-1,2-ethanediylbis(N-(carboxymethyl)-glycine); Diammonium ethylene diamine tetraacetate; Diammonium dihydrogen ethylenediaminetetraacetate; Edetate diammonium; EINECS 244-063-4; Glycine, N,N'-1,2-ethanediylbis(N-(carboxymethyl)-, diammonium salt; Versene Diammonium EDTA. Chelating agent, drug stabilizing agent.

1113 Diamylamine

2050-92-2 H



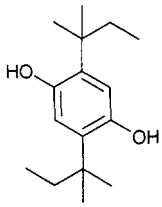
$C_{10}H_{23}N$

Di-n-Pentylamine.

4-04-00-00676 (Beilstein Handbook Reference); AI3-15326; Amine, dipentyl; BRN 0906746; CCRIS 6225; Diamyl amine; Diamylamine; Di-n-amylamine; Di-n-Pentylamine; Dipentylamine; EINECS 218-108-3; HSDB 5864; NSC 6329; 1-Pentanamine, N-pentyl-; Pentylamine, pentyl-; UN2841. Liquid; bp = 202.5°; d^{20} = 0.7771; slightly soluble in H_2O, soluble in Me_2CO, very soluble in EtOH, freely soluble in Et_2O.

1114 2,5-Di-t-amylhydroquinone

79-74-3 3336 G



$C_{16}H_{26}O_2$

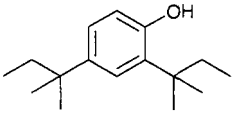
2,5-Di-t-pentylhydroquinone.

3-06-00-04748 (Beilstein Handbook Reference); AI3-61041; 2,5-Di-t-amylbenzene-1,4-diol; 2,5-Di-t-amylhydroquinone; Antage DAH; 1,4-Benzenediol, 2,5-bis(1,1-dimethylpropyl)-; 2,5-Bis(1,1-dimethylpropyl)-1,4-benzenediol; 2,5-Bis(1,1-dimethylpropyl)hydroquinone; BRN 2214556; Dahq; Diamylhydroquinone; EINECS 201-222-2; HSDB 5231; Hydroquinone, 2,5-di-t-amyl-; Hydroquinone, 2,5-di-t-pentyl-; NSC 455; 2,5-Di-t-pentylhydroquinone; 2,5-Di-t-pentylhydroquinone; 2,5-Di-t-pentylbenzene-1,4-diol; Santouar A; Santovar A; USAF B-21. Antioxidant for unvulcanized rubber. Used to protect rubber from

staining. Solid; mp ▪ 179-180°. *Monsanto Co.*

1115 Di-t-amylphenol

120-95-6 H



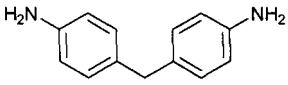
$C_{16}H_{26}O$

2,4-Di-t-pentylphenol.

3-06-00-02085 (Beilstein Handbook Reference); 2,4-Di-t-amylphenol; BRN 2370274; Di-t-amylphenol; EINECS 204-439-0; HSDB 5588; NSC 158351; 2,4-Di-t-pentylphenol; Phenol, 2,4-bis(1,1-dimethylpropyl)-; Phenol, 2,4-di-t-pentyl-; Prodox 156.

1116 Dianilinomethane

101-77-9 3000 G H



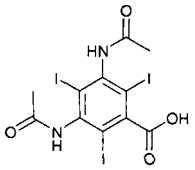
$C_{13}H_{14}N_2$

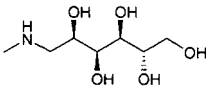
4,4'-Diaminodiphenylmethane.

4-13-00-00390 (Beilstein Handbook Reference); AI3-02615; Ancamine TL; Aniline, 4,4'-methylenedi-; Araldite hardener 972; Avaldite HT 972; Benzenamine, 4,4'-methylenebis-; Bis-p-aminofenylmethan; Bis(4-amino-phenyl)methane; Bis(p-aminophenyl)methane; BRN 0474706; CCRIS 1010; Curithane; Dadpm; Di-(4-aminophenyl)methane; Diaminodiphenylmethane; Dianilinemethane; Dianilinomethane; EINECS 202-974-4; Epicure DDM; Epikure DDM; HSDB 2541; HT 972; Jeffamine AP-20; MDA; MDA; Methylenebis(aniline); Methylenedianiline; NCI-C54604; NSC 4709; Sumicure M; Tonox; UN2651. Crude methylene dianiline; used as a curing agent for epoxy resins. Solid; mp = 91-92°; bp = 398-399°; slightly soluble in H_2O, very soluble in organic solvents. *Uniroyal.*

1117 Diatrizoate meglumine

131-49-7 5830 G





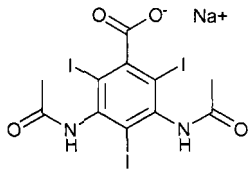
$C_{18}H_{26}I_3N_3O_9$

1-Deoxy-1-(methylamino)-D-glucitol 3,5-bis(acetyl-amino)-2,4,6-triiodobenzoate salt.

Amidotrizoate meglumine; Angiografin; Angiovist 282; Benzoic acid, 3,5-diacetamido-2,4,6-triiodo-, compd. with 1-deoxy-1-(methylamino)-D-glucitol; 3,5-Bis(acet-amido)-2,4,6-triiodbenzoesaeure, 1-desoxy-1-methyl-amino-D-glucit-salz; Cardiografin; Cystografin; Cysto-graphin Dilute; 1-Deoxy-1-(methylamino)-D-glucitol 3,5-diacetamido-2,4,6-triiodobenzoate (salt); Diatrizoate meglumine; Diatrizoate methylglucamine; EINECS 205-024-7; Gastrografin; Gastrografin Oral (Veterinary); Glucitol, 1-deoxy-1-(methylamino)-, 3,5-diacetamido-2,4,6-triiodobenzoate (salt), D-; D-Glucitol, 1-deoxy-1-(methylamino)-, 3,5-bis(acetylamino)-2,4,6-triiodo-benzoate (salt); Hypaque 13.4; Hypaque 60; Hypaque Cysto; Hypaque-DIU; Hypaque M 30; Hypaque Meglumine; MD 60; Meglumine amidotrizoate; Meglumine diatrizoate; Methylglucamine diatrizoate; Reno-M; Reno-M-Dip; RENO M 60; Renocal; Renograffin M-76; Renografin; Renovist; Renurix; Sinografin; Unipaque; Urovist. Diagnostic aid. Crystals; mp = 189-193°; soluble in H_2O (89 g/100 ml). *Bristol-Myers Squibb Co.*

1118 Diatrizoate sodium

737-31-5 3016 D G



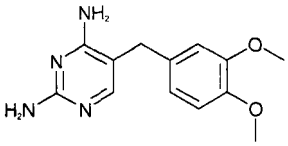
$C_{11}H_8I_3N_2NaO_4$

3,5-bis(acetylamino)-2,4,6-triiodobenzoic acid sodium salt.

Amidotrizoate de sodium; Amidotrizoato sodico; Benzoic acid, 3,5-diacetamido-2,4,6-triiodo-, monosodium salt; Benzoic acid, 3,5-diacetamido-2,4,6-triiodo-, sodium salt; Benzoic acid, 3,5-bis(acetylamino)-2,4,6-triiodo-,; Conray 35; 3,5-Diacetamido-2,4,6-triiodobenzoic acid, sodium salt; 3,5-Diacetylamino-2,4,6-trijodbenzosäure natrium; 3,5-Diacetylamino-2,4,6-trijodbenzosaeure natrium; Diatrizoate sodium; Diatrizoic acid sodium salt; EINECS 212-004-1; Gastrografin; Histopaque; Hypaque; Hypaque 50; Hypaque Cysto; Hypaque-DIU; Hypaque sodium; Iothalamate; MD 50; Meglumine diatrizoate; Methalamic acid; MI 216; Monosodium 3,5-diacetamido-2,4,6-triiodobenzoate; Natrii amidotrizoas; NSC 61815; Renografin 76 Injectable (Veterinary); Sodium 3,5-diacetamido-2,4,6-triiodobenzoate; Sodium amido-trizoate; Sodium diacetyldiaminetriiodobenzoate; Sodium diatrizoate; Triombrin; Triombrine; Urografic acid, sodium salt; Urovist Sodium 300; Vascoray; WIN 8308-3. Radio-opaque medium used as a diagnostic acid. Crystals; mp = 261-262°; soluble in H_2O (60 g/100 ml), less soluble in organic solvents; LD_{50} (rat iv) = 14.7 g/kg.

1119 Diaveridine

5355-16-8 3017 D G V



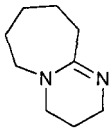
$C_{13}H_{16}N_4O_2$

5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidine-diamine.

5-25-13-00391 (Beilstein Handbook Reference); AI3-23935; BRN 0258464; BW 49-210; CCRIS 3784; Diaveridin; Diaveridina; Diaveridine; Diaveridinum; EGIS 5645; EINECS 226-333-3; NSC 408735. Used with sulfaquonoxaline [59-40-5] as Darvisul, a veterinary antiprotozoal agent. White powder; mp = 233°. *Glaxo Wellcome Inc.*

1120 Diazabicycloundecene

6674-22-2 G



$C_9H_{16}N_2$

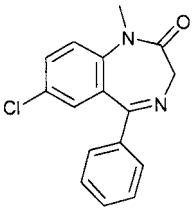
2,3,4,6,7,8,9,10-Octahydropyrimido[1,2-a]azepine.

1,5-Diazabicyclo(5.4.0)undec-5-ene; 1,8-Diazabicyclo-(5.4.0)undec-

7-ene; DBU; EINECS 229-713-7; NSC 111184; 2,3,4,6,7,8,9,10-Octahydropyrimido(1,2-α)aze-pine; Pyrimido(1,2-a)azepine, 2,3,4,6,7,8,9,10-octa-hydro-. Can be used as a biotin substitute as cofactor in a number of enzymatic carboxylation reactions. Liquid; $bp_{0.6}$ = 80-83°; d ■ 1.018. *BASF; Chem; Fluka; Prods; Schweizerhall.*

1121 Diazepam

439-14-5 3018 D



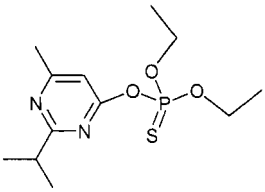
$C_{16}H_{13}ClN_2O$

7-Chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzo-diazepin-2-one.

Alboral; Aliseum; Amiprol; An-Ding; Ansilive; Ansiolin; Ansiolisina; Antenex; Anxicalm; Anxionil; Apaurin; Apo-diazepam; Apozepam; Armonil; Arzepam; Assival; Atensine; Atilen; Azedipamin; Baogin; Bensedin; Benzopin; Best; Betapam; Bialzepam; Britazepam; BRN 0754371; Calmaven; Calmocitene; Calmociteno; Calmod; Calmpose; Caudel; CB 4261; CCRIS 6009; Centrazepam; Cercine; Ceregulart; Chuansuan; Condition; DEA No. 2765; Desconet; Desloneg; Diacepan; Diaceplex; Dialag; Dialar; Diapam; Diapax; Diapine; Diaquel; Diastat; Diatran; Diazem; Diazemuls; Diazepam; Diazepam Dak; Diazepam Desitin; Diazepam Elmu; Diazepam-Eurogenerics; Diazepam Fabra; Diazepam-Lipuro; Diazepam Nordic; Diazepam-ratiopharm; Diazepam Rectubes; Diazepam Stada; Diazepamu; Diazepamum; Diazepan; Diazepan Ieo; Diazepin; Diazetard; Dienpax; Dipam; Dipaz; Dipezona; Disopam; Dizac; Domalium; Doval; Drenian; Ducene; Duksen; Dupin; Duxen; DZP; EINECS 207-122-5; Elcion CR; Eridan; Euphorin P; Eurosan; Evacalm; Faustal; Faustan; Freudal; Frustan; Gewacalm; Gihitan; Gradual; Gubex; Horizon; HSDB 3057; Iazepam; Jinpanfan; Kabivitrum; Kiatrium; Kratium; Kratium 2; LA III; Lamra; Lembrol; Levium; Liberetas; Lizan; Lovium; Mandro; Mandro-Zep; Mandrozep; Medipam; Mentalium; Metamidol; Methyl diazepinone; Methyldiazepinone; Metil Gobanal; Morosan; Nellium; Nerozen; Nervium; Neurolytril; Nivalen; Nixtensyn; Noan; Notense; Novazam; Novodipam; NSC-77518; NSC-169897; Ortopsique; Paceum; Pacitran; D-Pam; Paralium; Paranten; Parzam; Pax; Paxate; Paxel; Paxum; Placidox 2; Placidox 5; Placidox 10; Plidan; Pomin; Pro-Pam; Propam; Prozepam; Psychopax; Q-Pam; Quetinil; Quiatril; Quievita; Radizepam; Relaminal; Relanium; Relax; Reliver; Renborin; Ro 5-2807; Ruhsitus; Saromet; Sedapam; Sedipam; Seduksen; Seduxen; Serenack; Serenamin; Serenzin; Servizepam; Setonil; Sibazon; Sico Relax; Simasedan; Sipam; Solis; Sonacon; Stesolid; Stesolin; Tensopam; Tranimul; Trankinon; Tranqdyn; Tranquase; Tranquirit; Tranquo-Puren; Tranquo-Tablinen; Trazepam; Umbrium; Unisedil; Usempax AP; Valaxona; Valeo; Valiquid; Valitran; Valium; Valium Injectable; Valrelease; Valuzepam; Vanconin; Vatran; Vazen; Velium; Vival; Vivol; Winii; WY-3467; Zepaxid; Zipan.; Calmpose; Cereguiart; Dialar; Diazemuls; Dipam; Eridan; Eurosan; Evacalm; Faustan; Gewacalm; Horizon; Lamra; Lembroi; Levium; Mandrozep; Neurolytril; Noan; Novazam; Paceum; Pacitran; Paxate; Paxel; Pro-Pam; Q-Pam; Relanium; Sedapam; Seduxen; Servizepam; Setonil; Solis; Stesolid; Tranquase; Tranquo-Puren; Tranquo-Tablinen; Unisedil; Valaxona; Valiquid; Valium; Valium Injectable; Valrelease; Vival; Vivol. Anxiolytic, skeletal muscle relaxant and sedative/hypnotic. Also used as an intravenous anesthetic. Crystals; mp = 132°; λ_m = 230, 315 nm (ε = 30903, 2188, EtOH); soluble in DMF, $CHCl_3$, C_6H_6; Me_2CO, EtOH; slightly soluble in H_2O; LD_{50} (rat orl) = 710 mg/kg. *Berk Pharm. Ltd.; Hoffmann-LaRoche Inc.*

1122 Diazinon Liquid

333-41-5 3043 G H P



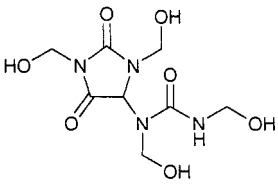
$C_{12}H_{21}N_2O_3PS$

O,O-diethyl-O-(6-methyl-2-(1-methylethyl)-4-pyrimid-inyl)phosophorothioate.

5-23-11-00187 (Beilstein Handbook Reference); Ag-500; AI3-19507; Alfa-tox; Antigal; Bassadinon; Basudin; Basudin 10 G; Basudin S; Bazuden; BRN 0273790; Caswell No. 342; CCRIS 204; Ciazinon; Compass; Compass (insecticide); Cooper's Flystrike Powder; Dacutox; Dassitox; Dazzel; Delzinon; Diagran; Dianon; Diaterr-fos; Diazajet; Diazide; Diazinon; Diazinon ag 500; Diazinone; Diazitol; Diazol; Dicid; Dimpilato; Dimpylat; Dimpylate; Dimpylatum; Dipofene; Disonex; Dizictol; Dizinil; Dizinon; Drawizon; Dyzol; EINECS 206-373-8; Ektoband; ENT 19,507; EPA Pesticide Chemical Code 057801; Exodin; Fezudin; Flytrol; G 301; G-24480; Galesan; Garden Tox; Geigy 24480; HSDB 303; Isopropylmethylpyrimidyl diethyl thiophosphate; Kayazinon; Kayazol; KFM Blowfly Dressing; Kleen-Dok; Knox-out; Knox Out 2FM; Knox Out Yellow Jacket Control; Meodinon; NCI-C08673; Neocidol; Neodinon; Nipsan; NSC 8938; Nucidol; Oleodiazinon; OMS 469; Optimizer; PT 265; Sarolex; Spectracide; Srolex; Terminator; Diazide; Diazol; Diethyl Dimpylatum; Dizinon; Drawizon; Dyzol; Exodin; Fezudin; Flytrol; Galesan; Kayazol; Knox Out 2FM; Neocidol; Nipsan; Nucidol; Sarolex. Insecticide. Registered by EPA as an insecticide and fungicide. Oil; $bp_{0.002}$ = 83 - 84°, bp_1 = 125°; dec. > 120°; d_4^{20} = 1-116 - 1.118; slightly soluble in H_2O (0.004 g/100 ml at 20°), EtOH, Et_2O, petroleum ether, cyclohexane, C_6H_6, C_7H_8; LD_{50} (rat orl) = 300 - 400 mg/kg, (mrat orl) = 250 mg/kg, (frat orl) = 285 mg/kg, (mus orl) = 80 - 135 mg/kg, (gpg orl) = 250 - 355 mg/kg, (mallard duckling orl) = 3.5 mg/kg, (pheasant orl) = 4.3 mg/kg, (rat der) > 2150 mg/kg, (rbt der) = 540 - 650 mg/kg; LC_{50} (rat ihl 4 hr.) = 3.5 mg/l air, (bluegill sunfish 96 hr.) = 16 mg/l, (rainbow trout 96 hr.) = 2.6 - 3.2 mg/l; highly toxic to bees. *DowElanco Ltd.; Farnam Companies Inc.; Novartis; Scotts Co.; Syngenta Crop Protection.*

1123 Diazolidinyl urea

78491-02-8 3024 G



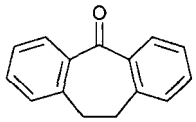
$C_8H_{14}N_4O_7$

Urea, N-(1,3-bis(hydroxymethyl)-2,5-dioxo-4-imidazol-idinyl)-N,N'-bis(hydroxymethyl)-.

1-(1,3-Bis(hydroxymethyl)-2,5-dioxoimidazolidin-4-yl)-1,3-bis(hydroxymethyl)urea; Diazolidinyl urea; EINECS 278-928-2; Germall® 11; Imidazolidinyl urea 11; N-(1,3-Bis(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl)-; N-(1,3-Bis(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl)-N,N'-bis-(hydroxymethyl)urea; N-(Hydroxymethyl)-N-(1,3-di-hydroxymethyl-2,5-dioxo-4-imidazolidinyl)-; N-(Hydro-xymethyl)-N-(1,3-dihydroxymethyl-2,5-dioxo-4-imidazol-idinyl)-N'-

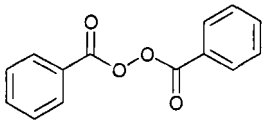
(hydroxymethyl) urea; N,N'-Bis-(hydroxy-methyl) urea; Urea, N-(1,3-bis(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl-N,N'-bis(hydroxymethyl)-. Broad-spect-rum antimicrobial preservative for cosmetics and toil-etries. *Sutton Labs.*

1124 Dibenzosuberone
1210-35-1 G



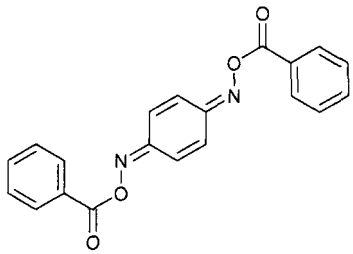
$C_{15}H_{12}O$
10,11-Dihydro-5H-dibenzo[a,d] cyclohepten-5-one.
CCRIS 2780; Dibenzo(a,d)cycloheptadien-5-one; Di-benzo(a,d)cyclohepta(1,4)dien-5-one; 5H-Dibenzo-(a,d)cyclohepten-5-one, 10,11-dihydro-; Dibenzo-(b,f)cycloheptan-1-one; Dibenzocycloheptenone; Di-benzosuberan-5-one; Dibenzosuberone; 2,3:6,7-Di-benzosuberone; Dibenzsuberone; 10,11-Dihydro-5H-dibenzo(a,d)cyclohepten-5-one; 10,11-Dihydrodibenzo-(a,d)cycloheptanone; 10,11-Dihydrodibenzo(a,d)-cyclohepten-5-one; EINECS 214-912-3; NSC 49727. Used in chemical synthesis. Crystals; mp = 30°; bp_7 = 203-204°, $bp_{0.3}$ ■ 148°; d^{20} = 1.1635; LD_{50} (mus orl) = 2.1 g/kg. *Lancaster Synthesis Co.; Lonzagroup; Penta Mfg.; Sandoz.*

1125 Dibenzoyl peroxide
94-36-0 1117 D G H



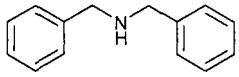
$C_{14}H_{10}O_4$
Peroxide, dibenzoyl.
Abcat 40; Abcure S-40-25; Acetoxyl; Acne-Aid Cream; Acnegel; Akneroxid 5; Akneroxide L; Aksil 5; Asidopan; Aztec BPO; B 75W; Benbel C; Benox 50; Benoxyl; Benoxyl (5&10) Lotion; Benzac; Benzac W; Benzagel; Benzagel 10; Benzaknen; Benzamycin; Benzashave; Benzoic acid, peroxide; Benzol peroxide; Benzoperoxide; Benzoyl peroxide; Benzoyl superoxide; Benzoylperoxid; Benzoylperoxyde; BPO; Brevoxyl; BZF-60; Cadat BPO; Cadox 40E; Cadox B; Cadox B 40E; Cadox B 50P; Cadox B 70W; Cadox B-CH 50; Cadox BS; CCRIS 630; Chaloxyd BP 50FT; Clear By Design; Clearasil Antibacterial Acne Lotion; Clearasil BP Acne Treatment Cream; Debroxide; Desanden; Desquam E; Desquam X; Dibenzoyl peroxide; Dibenzoylperoxid; Dibenzoyl-peroxyde; Diphenylglyoxal peroxide; Dry and Clear; Duresthin 5; EINECS 202-327-6; Eloxyl; Epi-Clear; Epi Clear Antiseptic Lotion; Fostex; Fostex BPO; G 20; Garox; HSDB 372; Incidol; Loroxide; Lucidol; Lucidol (peroxide); Lucidol 50P; Lucidol-70; Lucidol B 50; Lucidol G 20; Lucidol KL 50; Luperco AA; Luperco AST; Luperox FL; Luzidol; Mytolac; Nayper B and BO; Nayper bo; Norox bzp-250; Norox bzp-C-35; Novadelox; NSC 671; Oxy-10; Oxy-10 Cover; Oxy-5; Oxylite; PanOxyl; Perossido di benzoile; Peroxide, dibenzoyl; Peroxyde de benzoyle; Persa-Gel; Persadox; pHisoAc BP; Quinolor compound; Resdan Akne; Stri-dex B.P.; Sulfoxyl; Superox 744; Theraderm; Topex; Vanoxide; Xerac; Xerac BP. Catalyst, initiator, oxidizing agent and curing agent. An alternative to MEK peroxide. Benzoyl peroxide pastes or granules are used as initiators for catalysis of unsaturated polyester resins and are well-suited for spray applications. Used medically as a keratolytic in the treatment of *acne vulgaris*. Crystals; mp = 103-106°, explosive at higher temperatures; λ_m = 235, 275 nm (dioxane); sparingly soluble in H_2O, EtOH, soluble in C_6H_6, $CHCl_3$, Et_2O, CS_2 (2.5 g/100 ml); olive oil (2 g/100 ml). *Bristol-Myers Squibb Co.; Catalyst Resources Inc.; Dermik Labs. Inc.; Galderma Labs Inc.; Hyland Div. Baxter; Ortho Pharm. Corp.; SmithKline Beecham Pharm.; Sterling Winthrop Inc.; Stiefel Labs Inc.; Taiho; Westwood-Squibb Pharm. Inc.*

1126 Dibenzoyl-p-quinone-dioxime
120-52-5 G



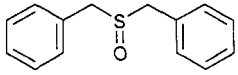
$C_{20}H_{14}N_2O_4$
1,4-Bis(benzoyloxyimino)cyclohexa-2,5-diene.
Benzoquinone dioxime dibenzoate; p-Benzoquinone bis(O-benzoyloxime); p-Benzoquinone dioxime dibenzoate; 2,5-Cyclohexadiene-1,4-dione, bis(O-benzoyloxime); Dibenzo G-M-F; Dibenzoyl-p-benzoquinone dioxime; Dibenzoylquinone dioxime; p-Dibenzoylquinone dioxime; p,p'-Dibenzoylquinone dioxime; Dilbenzo P Q D; EINECS 204-403-4; NSC 113483; Quinone dioxime dibenzoate; p-Quinone dioxime dibenzoate; Rhenocure BQ; Vulnoc DGM. A non-sulfur vulcanizing agent for natural, SBR, butyl and EPDM rubber; used to impart heat resistance to tyre curing bags, gaskets and wire insulation, also used as a coagent with peroxide curatives. *Uniroyal.*

1127 Dibenzylamine
103-49-1 3035 G



$C_{14}H_{15}N$
N-(Phenylmethyl)benzenemethanamine.
Accelerator DBA; AI3-15327; Benzenemethanamine, N-(phenylmethyl)-; (N-Benzylaminomethyl)benzene; Bi-benzylamine; DBA; Dibenzylamine; Dibenzylamine; EINECS 203-117-7; N-Benzylbenzylamine; N,N-Dibenylamine; NSC 4811. A proprietary rubber vulcanizing accelerator. Crystals; mp = -26°; bp = 300° (dec), bp_{250} = 270°, bp_{10} = 160-163°; d^{22} = 1.0256; λ_m = 252 nm (MeOH); insoluble in H_2O, soluble in CCl_4, very soluble in EtOH, Et_2O.

1128 Dibenzylsulfoxide
621-08-9 G

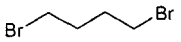


$C_{14}H_{14}OS$
Bis(phenylmethyl) sulfoxide.
4-06-00-02651 (Beilstein Handbook Reference); AI3-62190; Benzene, 1,1'-(sulfinylbis(methylene))bis-; Benzyl sulfoxide; BRN 2049262; Dibenzyl sulfoxide; Dibenzyl sulphoxide; EINECS 210-668-7; NSC 55; Preventol® CI 5; Sulfoxide, dibenzyl; Tardiol D. An organic inhibitor for use in cleansing acids and in the surface treatment of metals. Leaflets; mp = 134°; bp ■ 210° (dec); λ_m = 220, 253, 260, 266, 270 nm (MeOH); insoluble in H_2O, soluble in Et_2O,

very soluble in EtOH. *Bayer AG.*

1129 1,4-Dibromobutane

110-52-1 G



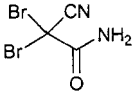
$C_4H_8Br_2$

Tetramethylene dibromide.

4-01-00-00267 (Beilstein Handbook Reference); AI3-14617; BRN 1071199; Butane, 1,4-dibromo-; DBB; 1,4-Dibrombutan; 1,4-Dibromobutane; α,ω-Dibromobutane; EINECS 203-775-5; NSC 71435; Tetramethylene dibromide; Tetramethylenebromide. Used in chemical synthesis. Liquid; mp = -20°; bp = 197°; d = 1.8080; insoluble in H_2O, slightly soluble in CCl_4, soluble in $CHCl_3$.organic solvents. *Humphrey; Janssen Chimica.*

1130 Dibromo-3-nitrilopropionamide

10222-01-2 G P



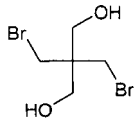
$C_3H_2Br_2N_2O$

2,2-Dibromo-2-cyanoacetamide.

3-02-00-01641 (Beilstein Handbook Reference); Acetamide, 2-cyano-2,2-dibromo-; Acetamide, 2,2-dibromo-2-cyano-; Amerstat® 300; Biosperse® 240; BRN 1761192; Caswell No. 287AA; Dbnpa; 2,2-Dibromo-2-carbamoylacetonitrile; Dibromocyanoacetamide; 2,2-Dibromo-2-cyanoacetamide; 2,2-Dibromo-3-nitrilo-propionamide; EINECS 233-539-7; EPA Pesticide Chemical Code 101801; HSDB 6982; NSC 98283; XD-1603; XD-7287I Antimicrobial; XD 7287L; 2,2-Dibromo-2-carbamoylacetonitrile; 2,2-Dibromo-2-cyanoacet-amide; 2,2-Dibromo-3-nitrilopropionamide; NSC 98283; Slimicide 508; XD-1603; XD-7287I Antimicrobial; XD 7287L. Paper mill slimicide, antimicrobial agent for enhanced oil recovery systems; preservative for metal working fluids containing water, antimicrobial for control of bacteria and algae in recirculating cooling water systems, air washer systems, evaporative condensers. Fungicide. Registered by EPA as an antimicrobial, fungicide and herbicide. *AmeriBrom Inc.; Aqua-Serv Engineers Inc.; Baker Petrolite Corp.; Betzdearborn; Buckman Laboratories Inc.; Chemtreat Inc; Clearwater Inc.; Dow Chem. U.S.A.; Drew Industrial Div.; Hercules Inc.; Nalco Diversified Technologies, Inc.; Ondeo Nalco Co.; Verichem Inc.; Walling Water Management.*

1131 Dibromopentaerythritol

3296-90-0 G H



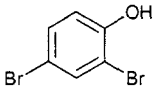
$C_5H_{10}Br_2O_2$

2,2-Dibromomethyl-1,3-propanediol.

4-01-00-02554 (Beilstein Handbook Reference); BRN 1304582; CCRIS 5972; Dibromoneopentyl glycol; Dibromopentaerythritol; DPNG; EINECS 221-967-7; Emery® 9336; FR-522; FR-521; FR 1138; HSDB 4184; NCI-C55516; NSC 9001; Pentaerythritol dibromide; Pentaerythritol dibromohydrin. Flame retardant for unsaturated polyesters, rigid PU and foams; flame retardant intermediate. Crystals; mp=109°; d = 2.23; LD_{50} (rat orl) = 3450 mg/kg. *Albemarle Corp.; AmeriBrom Inc.; Amerihaas; Dead Sea Bromine; Sigma-Aldrich Fine Chem.*

1132 2,4-Dibromophenol

615-58-7 G



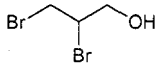
$C_6H_4Br_2O$

Phenol, 2,4-dibromo-.

4-06-00-01061 (Beilstein Handbook Reference); AI3-15480; BRN 1861291; DBP; 2,4-Dibromophenol; EINECS 210-436-5; Emery® 9331; FR-612; NSC 6213. Flame retardant for epoxy resins, phenolic resins, polyester resins; flame retardant intermediate. Needles; mp = 38°; bp = 238.5°; d^{20} = 2.07; λmLks = 223, 289 nm (ε = 9780, 2610, MeOH); slightly soluble in H_2O, CCl_4, very soluble in EtOH, Et_2O, C_6H_6, CS_2; LD_{50} (mus orl) = 282 mg/kg. *AmeriBrom Inc.; Dead Sea Bromine; Esprit Chem. Co.; Fluka; Great Lakes Fine Chem.; Rohm & Haas Co.; Sigma-Aldrich Fine Chem.*

1133 Dibromopropanol

96-13-9 G



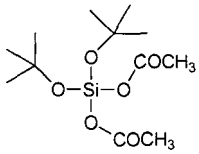
$C_3H_6Br_2O$

2,3-Dibromo-1-propanol.

4-01-00-01446 (Beilstein Handbook Reference); AI3-26304; allyl alcohol dibromide; BRN 1719127; Brominex 257; CCRIS 940; 1,2-Dibromopropan-3-ol; 2,3-Dibromo-1-propanol; 2,3-Dibromopropan-1-ol; 2,3-Dibromo-propanol; 2,3-Dibromopropyl alcohol; DBP (flame retardant); Dibromopropanol; EINECS 202-480-9; HSDB 2879; NCI-C55436; NSC 6203; 1-Propanol, 2,3-dibromo-; USAF DO-42. Intermediate in preparation of flame retardants, insecticides, and pharmaceuticals. Liquid; bp_{10} = 94-97°; d = 2.1200. *ICI Americas Inc.; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

1134 Di-t-butoxydiacetoxysilane

13170-23-5 G



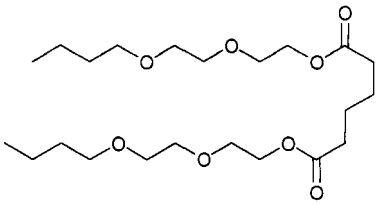
$C_{12}H_{24}O_6Si$

Di-*t*-butoxydiacetoxysilane.

Acetic acid, CD4153; dianhydride with silicic acid (H_4SiO_4) bis(1,1-dimethylethyl) ester; Di-t-butoxy-diacetoxysilane; Diacetoxydi-t-butoxysilane; Dynasylan® BDAC; EINECS 236-112-3; Silane, di(tert-butoxy)-diacetoxy-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

1135 Dibutoxyethoxyethyl adipate

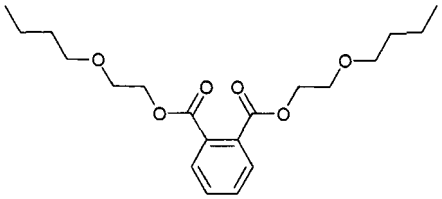
141-17-3 H



$C_{22}H_{42}O_8$
Bis(2-(2-butoxyethoxy)ethyl) adipate.
3-02-00-01718 (Beilstein Handbook Reference); Bisoflex 111; BRN 1808453; Dibutoxyethoxyethyl adipate; EINECS 205-465-5; HSDB 5480; Plasthall 226S; Plasthall DBEEA; Reomol BCD; RX 11806; Thiokol TP 759; Thiokol TP 95; TP 759; TP-95; Wareflex.

1136 Dibutoxyethyl phthalate

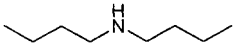
117-83-9 G



$C_{20}H_{30}O_6$
n-Butyl glycol phthalate.
4-09-00-03242 (Beilstein Handbook Reference); AI3-00524; 1,2-Benzenedicarboxylic acid, bis(2-butoxyethyl) ester; Bis(2-butoxyethyl) phthalate; BRN 2006754; β-Butoxyethyl phthalate; Butyl cellosolve phthalate; Butyl glycol phthalate; Di-(2-Butoxyethyl) fster kyseliny ftalove; Di-(2-butoxyethyl)ester kyseliny ftalove; Di(2-butoxyethyl) phthalate; Dibutoxyethyl phthalate; Dibutyl cellosolve phthalate; Dibutylcellosolve ftalat; Dibutylglycol phthalate; EINECS 204-213-1; Ethanol, 2-butoxy-, phthalate (2:1); HSDB 5402; Kesscoflex; Kesscoflex BCP; Kronisol; NSC 4840; Palatinol; Palatinol K; Phthalic acid, bis(2-butoxyethyl) ester; Phthalic acid, dibutoxyethyl ester; Plasthall® 200; Plasthall® DBEP. Plasticizer for PVC, polyvinyl acetate, and other resins. Viscous liquid; bp = 270°; d = 1.06. *Ashland; Hall C.P.; Unitex.*

1137 Dibutylamine

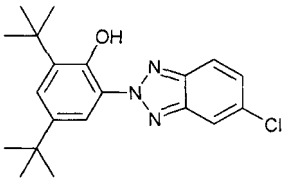
111-92-2 3058 H



$C_8H_{19}N$
Di-(n-butyl)amine.
4-11-00-00122 (Beilstein Handbook Reference); AI3-15329; AI3-52649; BRN 0506001; 1-Butanamine, N-butyl-; Dibutilamina; Dibutylamine; Di-n-butylamine; Di-(n-butyl)amine; EINECS 203-921-8; HSDB 310; UN2248. Liquid; mp = -62°; bp = 159.6°; d^{20} = 0.7670; λ_m ■ 30 nm (ε = 5, EtOH); soluble in H_2O, Me_2CO, C_6H_6, very soluble in EtOH, Et_2O.

1138 2,4-Di-t-butyl-6-(5-chlorobenzotriazol-2-yl)phenol

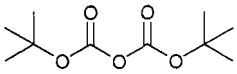
3864-99-1 G



$C_{20}H_{24}ClN_3O$
2-(3',5'-Di-t-butyl-2'-hydroxyphenyl)-5-chlorobenzo-triazole.
2-(3',5'-Di-t-butyl-2'-hydroxyphenyl)-5-chloro-2H-benzotriazole;
EINECS 223-383-8; Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-; Uvazol 237. Efficient UV absorber used to protect polyolefins, PVC, unsaturated polyester, acrylics, ABS. Crystals; mp = 150-153°. *EniChem SpA.*

1139 Di-t-butyl dicarbonate

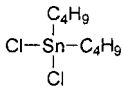
24424-99-5 G



$C_{10}H_{18}O_5$
BOC anhydride.
Bis(tert-butoxycarbonyl)oxide; CCRIS 2598; Di-t-butyl dicarbonate; Di(tert-butyl) carbonate; Dicarbonic acid, bis(1,1-dimethylethyl) ester; EINECS 246-240-1. Plasticizer. mp = 23°; $bp_{0.5}$ - 56-57°. *Fluka; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

1140 Dibutyldichlorotin

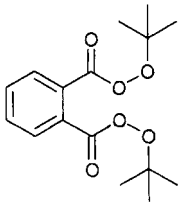
683-18-1 H



$C_8H_{18}Cl_2Sn$
Di-n-butyltin dichloride.
CCRIS 6321; Chlorid di-n-butylcinicity; Di-n-butyl-zinn-dichlorid; Di-n-butyltin dichloride; Dibutyldichloro-stannane; Dibutyldichlorotin; Dibutylstannium dichloride; Dibutyltin chloride; Dibutyltin dichloride; Dichlorodibutylstannane; Dichlorodibutyltin; EINECS 211-670-0; HSDB 6071; NSC 2604; Stannane, dibutyldichloro-; Tin, dibutyl-, dichloride.

1141 Di-t-butyl diperphthalate;

2155-71-7 G

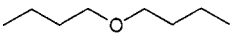


$C_{16}H_{22}O_6$
Di-t-butyl peroxyphthalate.
1,2-Benzenedicarboperoxoic acid, bis(1,1-dimethylethyl) ester; Di-(terc-butilperoxi)ftalato; Di-t-butyl diperoxy-phthalate; Di-t-butyl perphthalate; Diperoxyphtalate de tert-butyle; Diperoxyphthalic acid, di-t-butyl ester; EINECS 218-454-5; NSC 43583; Perbutyl MA; Peroxyphthalic acid, di-t-butyl ester; Trigonox® 111-B40.

Polymerization initiator. *Akzo Chemie.*

1142 Dibutyl ether

142-96-1 1568 H



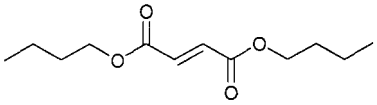
$C_8H_{18}O$

Di-n-butyl ether.

4-01-00-01520 (Beilstein Handbook Reference); AI3-00402; BRN 1732752; Butane, 1,1'-oxybis-; Butyl ether; Butyl oxide; CCRIS 6010; Dibutyl ether; Di-n-butyl ether; EINECS 205-575-3; Ether butylique; HSDB 306; NSC 8459. Liquid; mp = -95.2°; bp = 140.2°; d^{20} = 0.7684; insoluble in H_2O, slightly soluble in CCl_4, very soluble in Me_2CO, freely soluble in EtOH, Et_2O.

1143 Dibutyl fumarate

105-75-9 G



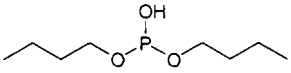
$C_{12}H_{20}O_4$

2-Butenedioic acid (E)-, dibutyl ester.

4-02-00-02210 (Beilstein Handbook Reference); AI3-09505; BRN 1726635; 2-Butenedioic acid (2E)-, dibutyl ester; 2-Butenedioic acid, dibutyl ester, (E)-; Butyl fumarate; Dibutyl fumarate; Dibutylester kyseliny fumarove; EINECS 203-327-9; Fumaric acid, di-n-butyl ester; Fumaric acid, dibutyl ester; NSC 140; RC Comonomer DBF; Stafex DBF; Staflex DBF. Used in monomeric plasticizers copolymers and as a chemical intermediate. Liquid; mp = -13.5°; bp ▫ 285°, bp_4 ▫ 150°; d^{20} = 0.9775; insoluble in H_2O, soluble in $CHCl_3$, Me_2CO. *AC Ind. Inc.; Monomer-Polymer & Dajac; Penta Mfg.; Unitex.* 203-327-9

1144 Dibutyl hydrogen phosphite

1809-19-4 G H



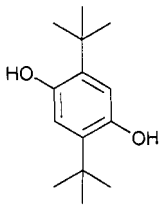
$C_8H_{19}O_3P$

Phosphonic acid, dibutyl ester.

4-01-00-01525 (Beilstein Handbook Reference); BRN 1099706; Butyl alcohol, hydrogen phosphite; Butyl phosphonate ($(BuO)_2HPO$); Di-n-butyl hydrogen phos-phite; Dibutoxyphosphine oxide; Dibutyl hydrogen phosphite; Dibutyl hydrogen phosphonate; Dibutyl phosphite; Dibutyl phosphonate; Dibutylfosfit; EINECS 217-316-1; HSDB 2597; Mobil DBHP; NSC 2668; Phosphonic acid, dibutyl ester; Phosphorous acid, dibutyl ester; Syn-O-Ad® P-316. Used as amine salts in mineral and synthetic base stocks; as load-carrying additives with secondary activity as low-temperature stabilizers and metal deactivators. Liquid; bp_{11} = 118-119°; d = 0.9950. *Akzo Chemie.*

1145 Dibutylhydroquinone

88-58-4 G



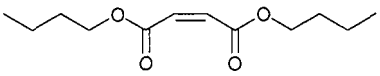
$C_{14}H_{22}O_2$

2,5-Di-*t*-butylhydroquinone.

4-06-00-06074 (Beilstein Handbook Reference); AI3-16630; Antage DBH; 1,4-Benzenediol, 2,5-bis(1,1-dimethylethyl)-; 2,5-Bis(1,1-dimethylethyl)-1,4-benzene-diol; BRN 2049542; CCRIS 5218; DBH; 1,4-Dihydroxy-2,5-di-t-butylbenzene; 2,5-Di-t-butylhydroquinone; 2,5-Di-t-butylbenzene-1,4-diol; 2,5-Di-t-butyl-1,4-benzene-diol; 2,5-Di-t-butyl-1,4-benzohydroquinone; 2,5-Di-t-butyl-1,4-hydroquinone; 2,5-Di-t-butylhydroquinone; 2,5-Di-t-butylquinol; Di-t-butylhydroquinone; Dibug; DTBHQ; Dybug; Eastman® DTBHQ; EINECS 201-841-8; Hydroquinone, 2,5-di-t-butyl-; Naugard 451; Nocrac NS 7; Nonflex Alba; NSC 11; Santovar O. Antioxidant for rubber, polyesters. Polymerization inhibitor, stabilizer against UV deterioration of rubber. Solid; mp=215-220°; insoluble in H_2O, soluble in organic solvents; flash point = 216°. *Eastman Chem. Co.; Fluka.*

1146 Dibutyl maleate

105-76-0 G H



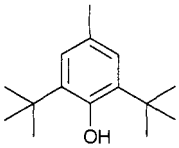
$C_{12}H_{20}O_4$

2-Butenedioic acid (2Z)-, dibutyl ester.

4-02-00-02209 (Beilstein Handbook Reference); AI3-00644; Bisomer DBM; BRN 1726634; Butyl maleate; CCRIS 4136; DBM (VAN); Dibutyl maleate; Dibutylester kyseliny maleinove; Dibutylmaleate; EINECS 203-328-4; Maleic acid, dibutyl ester; NSC 6711; Octomer DBM; PX-504; RC Comonomer DBM; Staflex DBM. A plasticizer and intermediate in the manufacture of copolymers and plasticizers, Oil; bp_4 = 129°; d = 0.9930; LD_{50} (rat orl) = 3730 mg/kg. *Aristech; BP Chem.; Penta Mfg.; Pentagon Chems. Ltd.; Unitex.*

1147 Di-t-butyl-p-methylphenol

128-37-0 1547 G H



$C_{15}H_{24}O$

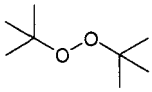
2,6-Di-t-butyl-4-methylphenol.

Advastab 401; Agidol; Agidol 1; AI3-19683; Alkofen BP; Antioxidant 4; Antioxidant 30; Antioxidant 29; Antioxidant 264; Antioxidant 4K; Antioxidant DBPC; Antioxidant KB; Antioxidant MPJ; Antioxidant T 501; Anti-Oxydant Bayer; Antox QT; Antrancine 8; AO 4; AO 4K; AO 29; AOX 4; AOX 4K; BAT; BHT; BHT 264; BUKS; Butylated hydroxytoluene; Butylated hydroxytoluol; Butylhydroxytoluene; Butylohydroksytoluenu; CAO 1; CAO 3; Caswell No. 291A; Catalin antioxydant 1; Catalin cao-3; CCRIS 103; Chemanox 11; Dalpac; DBPC; Deenax; Dibunol; Dibutylated hydroxytoluene; EINECS 204-881-4; EPA Pesticide Chemical Code 022105; FEMA No. 2184; HSDB 1147; Impruvol; Ionol; Ionol (antioxidant); Ionol 1; Ionol CP; Ionol CP-antioxidant; Ionole; Kerabit; NCI-C03598; Nocrac 200;

Nonox TBC; NSC 6347; Oxyguard; P21; Parabar 441; Paranox 441; Ralox® BHT food grade; Stavox; Sumilizer BHT; Sustane; Sustane BHT; Swanox BHT; Tenamen 3; Tenamene 3; Tenamine 3; Tenox BHT; Tonarol; Topanol; Topanol O; Topanol OC; Toxolan P; Vanlube PC; Vanlube PCX; Vanox® PCX; Vianol; Vulkanox® KB. Antioxidant and antiskinning agent for foods, animal feed, petrol. products, synthetic rubbers, plastics, soaps; antiskinning agent in paints and inks. A nonstaining antioxidant for plastics in contact with food, rubber, latex, adhesives, hot melts, mineral oil processing (lubricants), petrol., feedstuffs. Oxidation inhibitor in soaps and cosmetics. Nondiscoloring/nonstaining antioxidant for light colored and transparent natural and synthetic rubber goods; used in fabric proofings, toys, bathing, latex, and dipped goods; stabilizer in emulsion and solution-polymerized elastomers (SBR, NBR, BR, IR); costabilizer for NBS. Crystals; mp = 71°; bp = 265°; d^{75} = 0.8937, d_4^{20} 1.048; λ_m = 227, 277, 283 nm (ε = 5623, 2188, 2188, isooctane); insoluble in H_2O, alkali, soluble in EtOH, Me_2CO, C_6H_6, petroleum ether; LD_{50} (mus orl)= 1040 mg/kg. *Bayer AG; Eastman Chem. Co.; ExxonMobil Chem. Co.; Naugatuck; Penta Mfg.; PMC; Raschig GmbH; Uniroyal; Vanderbilt R.T. Co. Inc.*

1148 Di-t-butyl peroxide

110-05-4 3494 G H



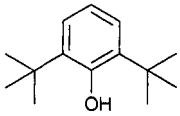
$C_8H_{18}O_2$

Bis(1,1-dimethylethyl)peroxide.

Aztec® Di-*t*-Butyl Peroxide; Bis(1,1-dimethylethyl)-peroxide; Bis(t-butyl)peroxide; Bis(tert-butyl) peroxide; t-Butyl peroxide; tert-Butyl peroxide; Cadox; Cadox TBP; CCRIS 4613; Di-t-butyl peroxide; Di-t-butyl peroxide; Di-t-butyl peroxyde; Di-t-Butyl hydroperoxide; Di-t-butylperoxid; DTBP; EINECS 203-733-6; HSDB 1326; Interox DTB; Kayabutyl D; NSC 673; Perbutyl D; Perossido di butile terziario; Peroxide, bis(1,1-dimethylethyl); Peroxyde de butyle tertiaire; Trigonox® B. Polymerization catalyst for resins (e.g., olefins, styrene, styrenated alkyds, silicones); ignition accelerator for diesel fuel; organic synthesis; intermediate. Initiator for LDPE polymerization; lower molecular weight at higher temperatures.; high-temperature peroxide used as finishing initiator for styrenics; crosslinking agent for olefin copolymers; volatile liquid best suited when used in injected extruder application. Liquid; mp = -40°; bp = 111° (dec explosively), bp_{284} = 80°; d^{20} = 0.704; insoluble in H_2O (0.01 g/100 ml), soluble in CCl_4, ligroin, freely soluble in Me_2CO; LD_{50} (rat orl) = 7710 mg/kg. *Akzo Chemie; Catalyst Resources Inc.; CK Witco Chem. Corp.; Elf Atochem N. Am.*

1149 Di-t-butylphenol

128-39-2 G H



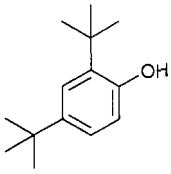
$C_{14}H_{22}O$

2,6-Bis(1,1-dimethylethyl)phenol.

AI3-26293; AN 701; CCRIS 5828; Di-t-butylphenol; EINECS 204-884-0; Ethanox 701; Ethyl 701; Ethyl AN 701; Hitec 4701; HSDB 5616; Isonox 103; NSC 49175; Phenol, 2,6-bis(1,1-dimethylethyl)-; Phenol, 2,6-di-t-butyl-. Used as an intermediate; antioxidant, stabilizer for foods and in aviation and other gasolines. Prisms; mp = 39°; bp = 253°, bp_{50} - 161°, bp_{20} = 133°; d^{20} = 1.5001; λ_m = 271 nm (MeOH); insoluble in alkali, slightly soluble in EtOH, soluble in CCl_4; LD_{50} (mus orl) = 120 mg/kg. *Allchem Ind.; Daicel (U.S.A.) Inc.; Ethicon Inc.; Penta Mfg.*

1150 2,4-Di-t-butylphenol

96-76-4 H



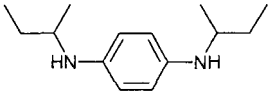
$C_{14}H_{22}O$

Phenol, 2,4-bis(1,1-dimethylethyl)-.

4-06-00-03493 (Beilstein Handbook Reference); Antioxidant No. 33; BRN 1910383; EINECS 202-532-0; NSC 174502; Phenol, 2,4-bis(1,1-dimethylethyl)-; Phenol, 2,4-di-t-butyl-; Prodox 146; Prodox 146A-85X. Solid; mp = 56.5°; bp = 263.5°; λ_m = 218, 225, 277, 283 nm (ε = 6740, 6940, 2360, 2130, MeOH); poorly soluble in CCl_4.

1151 N,N'-Di-s-butyl-p-phenylenediamine

101-96-2 G H



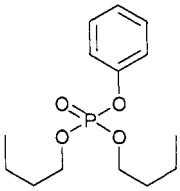
$C_{14}H_{24}N_2$

N,N'-Di-sec-butyl-p-phenylenediamine.

4-13-00-00111 (Beilstein Handbook Reference); Antioxidant 22; BRN 2805827; CCRIS 4603; CP 40182; Du Pont Gasoline Antioxidant No. 22; EINECS 202-992-2; HSDB 5343; Kerobit BPD; Naugalube® 403; NSC 68417; N,N'-Di-sec-butyl-p-phenylenediamine; p-Phenylenediamine, N,N'-di-sec-butyl-; Santoflex 44; Tenamene 2; Topanol® M; UOP 5. Acrylic polymerization inhibitor; gasoline antioxidant/sweetener. Solid; mp = 18°; insoluble in H_2O (<1 mg/ml), soluble in organic solvents; LDLo (rat orl)= 200 mg/kg. *ICI; ICI Americas Inc.; ICI Chem. & Polymers Ltd.; Uniroyal.*

1152 Dibutyl phenyl phosphate

2528-36-1 H



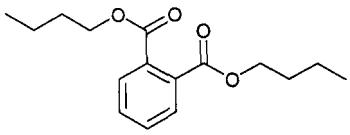
$C_{14}H_{23}O_4P$

Phosphoric acid, dibutyl phenyl ester.

4-06-00-00710 (Beilstein Handbook Reference); BRN 2140519; Butyl phenyl phosphate ($(BuO)_2(PhO)PO$); CCRIS 4604; Di(n-butyl) phenyl phosphate; Dibutyl phenyl phosphate; EINECS 219-772-7; HSDB 2604; Phosphoric acid, dibutyl phenyl ester.

1153 Dibutyl phthalate

84-74-2 1586 G H



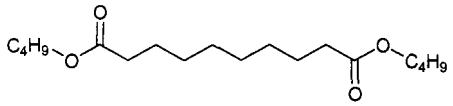
$C_{16}H_{22}O_4$

Di-n-butyl 1,2-benzenedicarboxylate.

4-09-00-03175 (Beilstein Handbook Reference); AI-3-00283; Araldite 502; Benzene-o-dicarboxylic acid di-n-butyl ester; Benzenedicarboxylic acid, dibutyl ester; BRN 1914064; Butyl phthalate; Caswell No. 292; CCRIS 2676; Celluflex DPB; DBP; DBP (ester); Di-n-butyl phthalate; Di-n-butylester kyseliny ftalove; Dibutyl 1,2-benzenedicarboxylate; Dibutyl-o-phthalate; Dibutyl Phthalate; EINECS 201-557-4; Elaol; EPA Pesticide Chemical Code 028001; Ergoplast FDB; Ersoplast FDA; Genoplast B; Hatcol DBP; Hexaplas M/B; HSDB 922; Kodaflex DBP; NSC 6370; Palatinol C; Phthalate, di-n-butyl; Phthalate, dibutyl-; Phthalic acid, dibutyl ester; Polycizer DBP; PX 104; RC Plasticizer DBP; RCRA waste number U069; Staflex DBP; Uniflex DBP; Unimoll db; Witcizer 300. Plasticizer in nitrocellulose, lacquers, elastomers, explosives, nail polishes; solvent for perfumes, oils; perfume fixative; textile lubricating agent. Used in coatings industry as primary plasticizer-solvent for nitrocellulose lacquers; for rubbers and CAB, ethyl cellulose, PVAc, and synthetic resins; solvent for oil-soluble dyes, insecticides, peroxides, and organic compounds; antifoamer and fiber lubricant in textile manufacturing. Also used as an insect repellent. Registered by EPA (cancelled). Oily liquid; mp = -35°; bp = 340°; d^{20} = 1.0465; slightly soluble in H_2O (0.04 g/100 ml), very soluble in EtOH, Et_2O, C_6H_6, Me_2CO; LD_{50} (rat orl) = 8000 mg/kg. *Aristech; Bayer AG; BP Chem.; Chisso Corp. USA; Daihachi Chem. Ind. Co. Ltd; Hall C.P.; Mitsubishi Gas; Sigma-Aldrich Co.; Sigma-Aldrich Fine Chem.; Unitex.*

1154 Dibutyl sebacate

109-43-3 E G



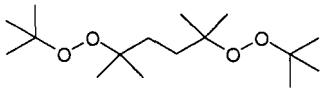
$C_{18}H_{34}O_4$

Di-n-butyl sebacate.

4-02-00-02081 (Beilstein Handbook Reference); AI3-00393; Bis(n-butyl) sebacate; BRN 1798308; Butyl sebacate; Decanedioic acid, dibutyl ester; Di-n-butyl sebacate; Dibutyl 1,8-octanedicarboxylate; Dibutyl decanedioate; Dibutyl sebacate; Dibutyl sebacinate; Dibutylester kyseliny sebakove; EINECS 203-672-5; FEMA No. 2373; HSDB 309; Kodaflex DBS; Monoplex DBS; NSC 3893; Plasthall® DBS; Polycizer DBS; PX 404; Reomol DBS; Sebacic acid, dibutyl ester; Staflex DBS; Uniflex® DBS. Monomeric plasticizer for plastics and rubber (cellulosics, PVC food wraps, nitrite and neoprene rubbers). Used as an excipient in various pharmaceutical coating formulations. Viscous liquid; mp = -10°; bp = 344.5°, bp_3 = 180°; d^{15} = 0.9405; insoluble in H_2O, soluble in Et_2O, CCl_4. *Hall C.P.; Union Camp.*

1155 Di-t-butyl 1,1,4,4-tetramethyltetra-methylene diperoxide

78-63-7 G H



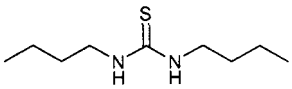
$C_{16}H_{34}O_4$

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane.

AD; AD 40C; BRN 1863369; CCRIS 4626; CR 05; CT 8 (crosslinking agent); Di-t-butyl 1,1,4,4-tetramethyl-tetramethylene diperoxide; EINECS 201-128-1; HC 4 (peroxide); Hexane, 2,5-dimethyl-2,5-di(t-butylperoxy)-; Interox DHBP; Interox DHBP 45IC/G; Kayahexa AD; Kayahexa AD 40; Kayahexa AD 40C; Luperco 101X45; Luperco 101XL; Luperox 101; Lupersol 101; Lupersol 101XL; NSC 38203; Perhexa 2.5B; Perhexa 2.5B40; Perhexa 3M40; Peroxide, (1,1,4,4-tetramethyl-1,4-butanediyl)bis({1,1-dimethylethyl); Peroxide, (1,1,4,4-tetramethyltetramethylene)bis(tert-butyl; RC 4 (peroxide); TC 8 (catalyst); Trigonox 101; Trigonox 101-101/45; Trigonox XQ 8; Triqanox XQ 8; Varox; Varox 50; Varox DBPH 50; Varox Liquid. Initiator for polyester when molding at elevated temperatures; also used for crosslinking of olefin copolymers, chlorinated polyethylene, EPDM, SBR, and vinyls; initiator for free radical polymerizations of styrene; crosslinking agent for olefin copolymers. Flow modifier and processing aid for PP. Crosslinking agent for elastomers and thermoplastic resins. Liquid; mp = 8°; bp = 50-52°; insoluble in H_2O; LD_{50} (mus ip) = 1700 mg/kg. *Akzo Chemie; Elf Atochem N. Am.*

1156 N,N'-Dibutylthiourea

109-46-6 G



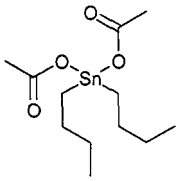
$C_9H_{20}N_2S$

1,3-dibutylthiourea.

4-04-00-00585 (Beilstein Handbook Reference); AI3-08621; BRN 0507434; EINECS 203-674-6; 1,3-Dibutylthiourea; 1,3-Di-n-butyl-2-thiourea; 1,3-Dibutyl-2-thiourea; NSC 3735; Pennzone B; Pennzone B 0685; Thiate U; Thiourea, N,N'-dibutyl-; Urea, 1,3-dibutyl-2-thio-; Urea, 1,3-di-N-butyl-2-thio-; USAF EK-2138. Accelerator for mercaptan-modified chloroprene rubber, an activator for ethylenepropylenediene terpolymers and natural rubber, an antidegradant for natural rubber-latex and thermoplastic styrene-butadiene rubber. Crystals; mp = 63-65°. *Elf Atochem N. Am.*

1157 Dibutyltin diacetate

1067-33-0 G



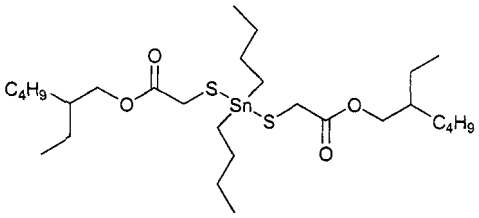
$C_{12}H_{24}O_4Sn$

Diacetoxydibutylstannane.

BA 2726; Bis(acetyloxy)dibutylstannane; Caswell No. 293A; CCRIS 218; Diacetoxybutyltin; Diacetoxydibutyl-stannane; Diacetoxydibutyltin; Dibutyl tin diacetate; Di-n-Butyltin diacetate; Dibutylstannium diacetate; Dibutyltin diacetate; EINECS 213-928-8; Fomrez sul-3; HSDB 4115; Metacure® T-1; NCI-C02028; NSC 8786; Stannane, bis(acetyloxy)dibutyl-; T 1; Tin, dibutyl-, diacetate. Catalyst for use in production of PU coatings, adhesives, and sealants. Liquid; mp < 12°; bp_5 = 139°; d = 1.3100; insoluble in H_2O; LD_{50} (rat orl) = 32 mg/kg. *Air Prods & Chems.*

1158 Dibutyltin diisooctylthioglycolate

25168-24-5 H



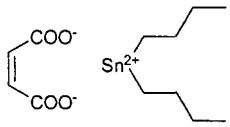
$C_{28}H_{56}O_4S_2Sn$

Tin, dibutylbis((carboxymethyl)thio)-, diisooctyl ester.

Acetic acid, ((dibutylstannylene)dithio)di-, diisooctyl ester; Acetic acid, 2,2'-((dibutylstannylene)bis(thio))bis-, diisooctyl ester; Bis(2-ethylhexyloxycarbonylmethylthio)-dibutylstannane; BS 8T; BTS 70; BTS 8; Dibutyltin diisooctylthioglycolate; Dibutylzinn-S,S'-bis(isooctylthio-glycolat); Diisooctyl 2,2'-((dibutylstannylene)bis(thio))-diacetate; EINECS 246-703-8; Irgastab 17M; Mark 292; Nitto 1360; Ongrostab BS 8T; Stannane, bis(isooctyloxycarbonylmethylthio)dibutyl-; T 101; T 101 (accelerator); Thermolite 31; Tin, dibutyl-, bis(isooctylthioglycollate); Tin, dibutylbis((carboxy-methyl)thio)-, diisooctyl ester; TVS 1360.

1159 Dibutyltin maleate

78-04-6 G



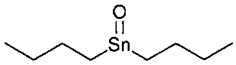
$C_{12}H_{20}O_4Sn$

2,2-Dibutyl-1,3,2-dioxastannepin-4,7-dione.

Advastab DBTM; Advastab T290; Advastab T340; BRN 4138538; BT 31; 2,2-Dibutyl-1,3,2-dioxastannepin-4,7-dione; Dibutyl(maleoyldioxy)tin; Dibutylstannylene maleate; Dibutyltin maleate; 1,3,2-Dioxastannepin-4,7-dione, 2,2-dibutyl-; EINECS 201-077-5; Irgastab DBTM; Irgastab T 4; Irgastab T 150; Irgastab T 290; KK 3206; KS 4B; MA300A; Mark BT 31; Mark BT 58; Markure UL2; Nuodex V 1525; OTS 227; Stancleret 157; Stann BM; Stann RC 40F; Stann RC 71A; Stavinor 1300SN; Stavinor Sn 1300; TK-10422; TN 1000; TN 3J; TVS 86SP5; TVS-MA 300; TVS-N 2000E. Used as a stabilizer for PVC resins and as a condensation catalyst. Solid; mp = 110°; insoluble in H_2O; soluble in organic solvents. *Elf Atochem N. Am.; Ferro/Bedford; Gelest.*

1160 Dibutyltin oxide

818-08-6 H



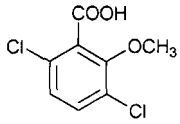
$C_8H_{18}ON$

Dibutyloxostannane.

BRN 4126243; DBOT; Di-n-butyl-zinn-oxyd; Di-n-butyltin oxide; Dibutyloxide of tin; Dibutyloxostannane; Dibutyloxotin; Dibutylstannane oxide; Dibutylstannium oxide; Dibutyltin oxide; EINECS 212-449-1; Kyslicnik di-n-butylcinicity; NSC 28130; Stannane, dibutyloxo-; Tin, dibutyl-, oxide; Tin, dibutyloxo-.

1161 Dicamba

1918-00-9 3065 G H P



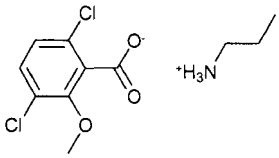
$C_8H_6Cl_2O_3$

3,6-Dichloro-2-methoxybenzoic acid.

AI3-27556; Banex; Banlen; Banvel; Banvel 480; Banvel 70WP; Banvel CST; Banvel herbicide; Banvel II herbicide; Banvel SGF; BRN 2453039; Brush buster; Caswell No. 295; CCRIS 1471; Compound B; Compound B dicamba; Dianat; Dicamba; EINECS 217-635-6; EPA Pesticide Chemical Code 029801; HSDB 311; Kyselina 3,6-dichlor-2-methoxybenzoova; MDBA; Mediben; Vanquish; Velsicol 58-CS-11; Velsicol compound R. Selective systemic herbicide which acts as an auxin-like growth regulator. Used for control of annual and perennial broad-leaved weeds and brush sp-ecies in cereals, maize, sorghum, sugar cane, asparagus, seed pastures, turf, pastures and rangeland. Used to control bracken. Registered by EPA as a herbicide. Colorless crystals; mp = 114-116°; sg^{25} = 1.57; soluble in H_2O (0.65 g/100 ml), EtOH (92.2 g/100 ml), cyclohexanone (91.6 g/100 ml), Me_2CO (81 g/100 ml), CH_2Cl_2 (26 g/100 ml), C_7H_8 (13 g/100 ml), xylene (7.8 g/100 ml); LD_{50} (rat orl) = 1707 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) = 2000 mg/kg; LC_{50} (mallard duck, bobwhite quail 8 day dietary) > 10000 mg/kg diet, (rainbow trout, bluegill sunfish 96 hr.) = 135 mg/l; non-toxic to bees. *Diachem; Sandoz; Shell UK; Syngenta Crop Protection; Syngenta Professional Prod.*

1162 Dicamba, isopropylamine salt

55871-02-8 P



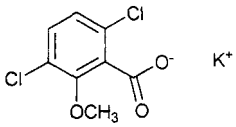
$C_{11}H_{15}Cl_2NO_3$

Isopropylamine 3,6-dichloro-o-anisate.

Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-propanamine (1:1); Dicamba, isopropylamine sal; Isopropylamine 3,6-dichloro-o-anisate; Propanamine, 3,6-dichloro-2-methoxybenzoate. Registered by EPA as a herbicide. *Albaugh Inc.; BASF Corp.; Monsanto Co.*

1163 Dicamba, potassium salt

10007-85-9 H P



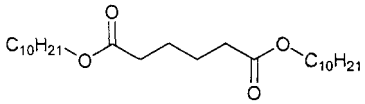
$C_8H_5Cl_2KO_3$

Potassium 3,6-dichloro-2-methoxybenzoate.

Dicamba K; Dicamba-potassium; Dicamba, potassium salt; EINECS 233-002-7; Potassium 3,6-dichloro-o-anisate. Registered by EPA as a herbicide. *Albaugh Inc.; BASF Corp.; Gharda USA Inc.; Micro-Flo Co. LLC.*

1164 Dicapryl adipate

105-97-5 G



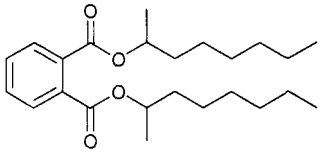
$C_{26}H_{50}O_4$

Didecyl hexanedioate.

Adipic acid didecyl ester; Dicapryl adipate; Didecyl adipate; Di-n-Decyl adipate; Didecyl hexanedioate; EINECS 203-349-9; Hexanedioic acid, didecyl ester; NSC 4445; Polycizer 632; Uniflex® DCA; Unimate® DCA. Monomeric plasticizer for plastics and rubber. *Union Camp.*

1165 Dicapryl phthalate

131-15-7 G



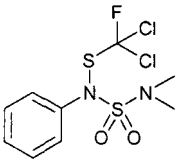
$C_{24}H_{38}O_4$

Di-(2-octyl)phthalate.

4-09-00-03181 (Beilstein Handbook Reference); 1,2-Benzenedicarboxylic acid, bis(1-methylheptyl) ester; Bis(1-methylheptyl) phthalate; Bis(2-octyl)phthalate; Bis-(2-oktyl)ester kyseliny ftalove; BRN 2005093; Capryl o-phthalate; DCP; Dicapryl 1,2-benzenedicarboxylate; Dicapryl phthalate; Dioctanol-2-phthalate; Di-sec-octyl phthalate; EINECS 205-014-2; Genomoll 100; Monoplex DCP; NSC 3926; Phthalic acid, bis(1-methylheptyl) ester; Phthalic acid, bis(2-octyl) ester; Phthalic acid, dicapryl ester; Phthalic acid, di-2-octyl ester; Uniflex® DCP. A plasticizer for vinyl plastics and cellulosic resins. Oil; bp = 227-234°; d = 0.965; insoluble in H_2O. *Union Camp.*

1166 Dichlofluanid

1085-98-9 3070 G P



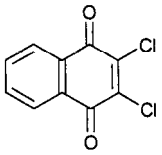
$C_9H_{11}Cl_2FN_2O_2S_2$

1,1-Dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-phenylmethanesulfenamide.

Aniline, N-((dichlorofluoromethyl)thio)-N-((dimethyl-amino)sulfonyl)-; BAY 47531; BRN 2947992; Caswell No. 297A; CCRIS 3647; Dichlofluanid; Dichlofluanide; Dichlorfluanid; 1,1-Dichloro-N-((dimethylamino)sulf-onyl)-1-fluoro-N-phenylmethanesulfenamide; Diparen; Elvaron; EPA Pesticide Chemical Code 128844; Eparen; Euparen; Euparene; HSDB 1565; KU 13-032-C; KUE 13032c; Methanesulfenamide,1,1-dichloro-N-((dimethyl-amino)sulfonyl)-1-fluoro-N-phenyl-; N-(Dichlor-fluor-methyl-thio)-N',N'-dimethyl-N-phenyl-schwefel-säurediamid; N-(Dichlorofluoromethylthio)-N-(dimethyl-sulfamoyl)-aniline; N-Dichlorfluormethylthio-N',N'-dimethylaminosulfonsäureanilid; N-Dichloroacetyl-N-phenylsemicarbazide; N-Dichlorofluoromethane-sulphenyl-N',N'-dimethyl-N-phenylsulphamide; N-Di-chlorofluoromethylthio-N',N'-dimethyl-N-phenylsulph-amide; N,N-Dimethyl-N'-phenyl-N'-fluorodichloro-methylthiosulfamide; NSC 218451; Oiparen; Pecudin; Sulfamide, N-((dichlorofluoromethyl)thio)-N',N'-di-methyl-N-phenyl-. Fungicide with specific action against *Botrylis*. Colorless powder; mp ▫ 106°; soluble in H_2O (0.00013 g/100 ml), CH_2Cl_2 (> 20 g/100 ml), C_7H_8 (10 - 20 g/100 ml), xylene (7 g/100 ml), i-PrOH (1 - 2 g/100 ml), MeOH (1.5 g/100 ml), C_6H_{14} (0.2 - 0.5 g/100 ml; LD_{50} (rat orl) = 5000 mg/g, (mus orl) = 5464 - 5597 mg/kg, (fgpg orl) = 945 mg/kg, (frbt orl (3500 mg/lg), (rat der) > 5000 mg/kg, (Japanese quail, ckn orl) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.3 mg/l air, (goldfish 48 hr.) = 0.3 mg/l, (carp 48 hr.) = 0.25 mg/l, (Japanese ricefish 48 hr.) = 0.85 mg/l, (rainbow trout 96 hr.) = 0.05 mg/l, (golden orfe 96 hr.) = 0.12 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp., Agriculture.*

1167 Dichlone

117-80-6 3071 G P



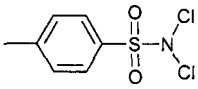
$C_{10}H_4Cl_2O_2$

2,3-Dichloro-1,4-naphthalenedione.

AI3-03776; Algistat; Caswell No. 298; CCRIS 6667; CNQ; Compound 604; Dichlone; 2,3-Dichlor-1,4-naftochinon; 2,3-Dichlor-1,4-naphthochinon; 2,3-Dichloro-1,4-naphthalenedione; Dichloronaphtho-quinone; 2,3-Dichloronaphthoquinone; 2,3-Dichloro-1,4-naphthoquinone; Diclone; EINECS 204-210-5; ENT 3,776; EPA Pesticide Chemical Code 029601; HSDB 313; Latka 604; 1,4-Naphthalenedione, 2,3-dichloro-; 1,4-Naphthoquinone, 2,3-dichloro-; NSC 537; Phygon; Phygon paste; Phygon seed protectant; Phygon XL; Quintar; Quintar 540F; Sanquinon; Uniroyal; U.S. Rubber 604; USR 604. A fungicide used as a seed dressing, insecticide, organic catalyst. Registered by EPA as a fungicide (cancelled). Yellow needles; mp = 193°; insoluble in H_2O, soluble in xylene (4 g/100 ml), o-dichlorobenzene (4 g/100 ml), Me_2CO, Et_2O, C_6H_6, dioxane; LD_{50} (rat orl) = 1300 mg/kg.

1168 Dichloramine T

473-34-7 3073 D G



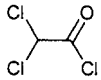
$C_7H_7Cl_2NO_2S$

N, N-Dichloro-p-toluenesulfonamide.

AI3-15331; Benzenesulfonamide, N,N-dichloro-4-methyl-; Benzyl p-sulfondichloramide; Dichloramine T; EINECS 207-462-4; N,N-Dichloro-p-toluolsulfonamide; N,N-Dichloro-p-toluenesulfonamide; N,N-Dichloro-toluene-4-sulphonamide; NSC 1130; p-Toluene-sulfonamide, N,N-dichloro-; p-Toluenesulfone dichlor-amide; Peraktivin. Sulfonamide antibiotic. Used as a disinfectant, germicide and antibacterial. Prisms; mp = 83°; λ_m = 228, 274 nm (MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, CCl_4, $CHCl_3$, AcOH, petroleum ether. *Shell.*

1169 Dichloroacetyl chloride

79-36-7 3078 H



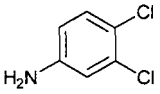
C_2HCl_3O

2,2-Dichloroacetyl chloride.

4-02-00-00504 (Beilstein Handbook Reference); Acetyl chloride, dichloro-; BRN 1209426; CCRIS 6011; Chlorid kyseliny dichloroctove; Chlorure de dichloracetyle; Dichloracetyl chloride; Dichloroacetyl chloride; Dichloroethanoyl chloride; EINECS 201-199-9; HSDB 5229; UN1765. Liquid; bp = 108°; d^{16} = 1.5315; very soluble in H_2O, EtOH, Et_2O; LD_{50} (rat orl) = 2460 mg/kg. *Clariant Corp.; Hoechst AG.*

1170 3,4-Dichloroaniline

95-76-1 3079 H



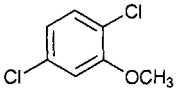
$C_6H_5Cl_2N$

Benzenamine, 3,4-dichloro-.

4-12-00-01257 (Beilstein Handbook Reference); 4-Amino-1,2-dichlorobenzene; Aniline, 3,4-dichloro-; Benzenamine, 3,4-dichloro-; BRN 0636837; CCRIS 2395; DCA; 3,4-DCA; 4,5-Dichloroaniline; EINECS 202-448-4; HSDB 1319; LY 004892; NSC 247. Needles; mp = 72°; bp = 272°; λ_m = 247 nm (MeOH); soluble in EtOH, slightly soluble in C_6H_6, Et_2O, $CHCl_3$.

1171 2,5-Dichloroanisole

1984-58-3 H



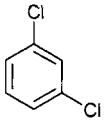
$C_7H_6Cl_2O$

1,4-Dichloro-2-methoxybenzene.

Anisole, 2,5-dichloro-; Benzene, 1,4-dichloro-2-methoxy-; 1,4-Dichloro-2-methoxybenzene; 2,5-Dichloroanisole; EINECS 217-852-6.

1172 m-Dichlorobenzene

541-73-1 3080 H



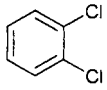
$C_6H_4Cl_2$

1,3-Dichlorobenzene.

AI3-15517; Benzene, 1,3-dichloro-; Benzene, m-dichloro-; CCRIS 4259; m-DCB; m-Dichlorobenzene; m-Dichlorobenzol; EINECS 208-792-1; HSDB 522; NSC 8754; m-Phenylene dichloride; RCRA waste number U071. Liquid; mp = -24.8°; bp = 173°; d^{20} = 1.2884; λ_m= 216, 250, 256, 263, 270, 278 nm (ε = 12800, 830, 1420, 2330, 3340, 2800, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, freely soluble in Me_2CO, CCl_4, ligroin.

1173 o-Dichlorobenzene

95-50-1 3081 P



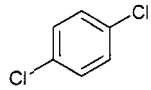
$C_6H_4Cl_2$

1,2-Dichlorobenzene.

AI3-00053; Benzene, 1,2-dichloro-; Benzene, o-dichloro-; Caswell No. 301; CCRIS 1360; Chloroben; Chloroden; Cloroben; DCB; Dichloricide; Dichlorobenzene; 1,2-Dichlorobenzene; 2-Dichlorobenzene; Dichlorobenzene, 1,2-; o-Dichlorobenzene; Dichlorobenzene, ortho, liquid; Dichlorobenzol; o-Dichlorbenzol; Dilantin DB; Dilatin DB; Dizene; Dowtherm E; EINECS 202-425-9; EPA Pesticide Chemical Code 059401; HSDB 521; NCI-C54944; NSC 60644; ODB; ODCB; Ortho-dichlorobenzene; Orthodichlorobenzol; RCRA waste no. U070; Special termite fluid; Termitkil; UN1591. Registered by EPA as an antimicrobial and disinfectant (cancelled). Used as a solvent, deodorizer, degreasing agent, in metal polishes and as a heat transfer medium. Liquid; mp = -17°; bp = 180.5°; d_4^{20}= 1.3059, d_4^{25}= 1.3003; logP = 3.65; slightly soluble in H_2O (0.0145 g/100 ml), soluble in EtOH, Et_2O, C_6H_6. *Fluka; Sigma-Aldrich Co.*

1174 p-Dichlorobenzene

106-46-7 3082 G H P



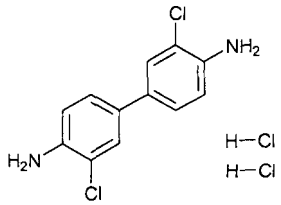
$C_6H_4Cl_2$

1,4-Dichlorobenzene.

AI3-0050; AI3-00050; Benzene, 1,4-dichloro-; Benzene, p-dichloro-; Caswell No. 632; CCRIS 307; DCB; Di-chloricide; Dichlorobenzene; Dichlorocide; Dicloro-benzene; EINECS 203-400-5; EPA Pesticide Chemical Code 061501; Evola; Globol; HSDB 523; Kaydox; NCI-C54955; NSC 36935; p-Chlorophenyl chloride; p-Dichloorbenzeen; p-Dichlorbenzol; p-Dichlorobenzene; p-Dichlorobenzol; p-Diclorobenzene; Para crystals; Para-zene; PARA; Paracide; Paradi; Paradichlorbenzol; Paradichlorobenzene; Paradichlorobenzol; Paradow; Paramoth; Paranuggets; PDB; PDCB; Persia-perazol; RCRA waste number U071; RCRA waste number U070; RCRA waste number U072; Santochlor. Used as an insecticidal fumigant and as a room deodorant. Intermediate in plastics manufacture. Registered by EPA as a bactericide, fungicide, insecticide and rodenticide. Used in the manufacture of pharmaceuticals and intermediates. Crystals; mp = 52.7°; bp = 174°; λ_m = 224, 264, 272, 280 nm (ε = 12800, 287, 377, 301, MeOH); insoluble in H_2O, soluble in Et_2O, C_6H_6, $CHCl_3$, CS_2, freely soluble in EtOH; LD_{50} (rat orl) = 500 mg/kg. *Ashland; Mitsubishi Gas; Monsanto Co.; Murphy Chemical Co Ltd.; PPG Ind.; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1175 3,3'-Dichlorobenzidine dihydrochloride

612-83-9 3084 H

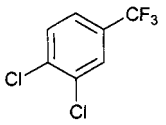


$C_{12}H_{12}Cl_4N_2$

(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dichloro-, dihydro-chloride.

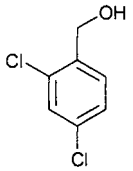
AI3-22046; Benzidine, 3,3'-dichloro-, dihydrochloride; (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dichloro-, dihydro-chloride; CCRIS 5899; 3,3'-Dichlorobenzidine dihydrochloride; EINECS 210-323-0; HSDB 5715; NSC 3524.

1176 **3,4-Dichlorobenzotrifluoride**
328-84-7 H



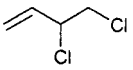
$C_7H_3Cl_2F_3$
3,4-Dichloro-1-(trifluoromethyl)benzene.
Benzene, 1,2-dichloro-4-(trifluoromethyl)-; 3,4-Dichloro-1-(trifluoromethyl)benzene; 3,4-Dichloro-α,α,α-trifluoro-toluene; 3,4-Dichlorobenzotrifluoride; 3,4-Dichloro-phenyltrifluoromethane; EINECS 206-337-1; HSDB 6126; Toluene, 3,4-dichloro-α,α,α-trifluoro-.

1177 **2,4-Dichlorobenzyl alcohol**
1777-82-8 3110 G P



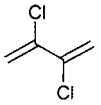
$C_7H_6Cl_2O$
2,4-Dichlorobenzenemethanol.
4-06-00-02597 (Beilstein Handbook Reference); AI3-20619; Benzenemethanol, 2,4-dichloro-; Benzyl alcohol, 2,4-dichloro-; BRN 1448652; 2,4-Dichlorobenzyl alcohol; Dybenal; EINECS 217-210-5; Myacide® SP; NSC 15635; Rapidosept. Antifungal agent, antiseptic and preservative. Crystals; mp = 59.5°; bp_{25} = 150°; soluble in $CHCl_3$. *Boots Co.; Boots Pharmaceuticals Inc.; Inolex.*

1178 **1,2-Dichloro-3-butene**
760-23-6 H



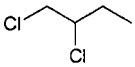
$C_4H_6Cl_2$
(±)-1-Butene, 3,4-dichloro-.
4-01-00-00772 (Beilstein Handbook Reference); BRN 1739135; (±)-1-Butene, 3,4-dichloro-; (±)-1,2-Dichloro-3-butene; 1,2-Dichloro-3-butene; 3,4-Dichloro-1-butene; EINECS 212-079-0; HSDB 5751. Liquid; mp = -61°; bp = 116°; d^{20} = 1.1170; insoluble in H_2O, soluble in EtOH, Et_2O, CCl_4; very soluble in C_6H_6, $CHCl_3$.

1179 **2,3-Dichlorobutadiene**
1653-19-6 H



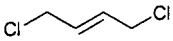
$C_4H_4Cl_2$
2,3-Dichloro-1,3-butadiene.
4-01-00-00986 (Beilstein Handbook Reference); BRN 1698807; 1,3-Butadiene, 2,3-dichloro-; 2,3-Dichlor-1,3-butadien; 2,3-Dichloro-1,3-butadiene; 2,3-Dichlorobuta-1,3-diene; 2,3-Dichlorobutadiene; 2,3-Dichloro-butadiene-1,3; EINECS 216-721-0. Liquid; bp = 98°; d^{20} = 1.1829; very soluble in $CHCl_3$.

1180 **Dichlorobutane**
616-21-7 H



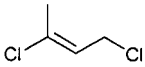
$C_4H_8Cl_2$
1,2-Dichlorobutane.
Butane, 1,2-dichloro-; 1,2-Dichlorobutane; EINECS 210-469-5; HSDB 5717; NSC 93880. Liquid; bp = 124.1°; d^{25} = 1.1116; insoluble in H_2O, slightly soluble in CCl_4, soluble in Et_2O, $CHCl_3$.

1181 **1,4-Dichlorobutene**
110-57-6 H



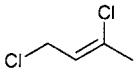
$C_4H_6Cl_2$
trans-1,4-Dichloro-2-but-2-ene.
4-01-00-00787 (Beilstein Handbook Reference); AI3-52332; BRN 1719693; 2-Butene, 1,4-dichloro-, (E)-; CCRIS 2458; 1,4-Dichloro-trans-2-butene; trans-1,4-Dichloro-2-butene; trans-1,4-Dichlorobutene; EINECS 203-779-7; HSDB 1501. Liquid; mp = -1°; bp = 155.4°; d^{25} = 1.183; very soluble in Me_2CO, C_6H_6, EtOH, Et_2O.

1182 **1,4-Dichloro-cis-2-butene**
1476-11-5 H



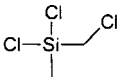
$C_4H_6Cl_2$
2-Butene, 1,4-dichloro-, (2Z)-.
2-Butene, 1,4-dichloro-, (2Z)-; 2-Butene, 1,4-dichloro-, (Z)-; 2-Butene, 1,4-dichloro-, cis-; CCRIS 2651; 1,4-Dichloro-cis-2-butene; cis-1,4-Dichloro-2-butene; EINECS 216-021-5; HSDB 5832. Liquid; mp = -48°; bp = 152.5°; d^{25} = 1.188; very soluble in Me_2CO, EtOH, Et_2O, C_6H_6.

1183 **1,3-Dichloro-2-butene**
926-57-8 H



$C_4H_6Cl_2$
1,3-Dichlorobut-2-ene.
BRN 0906754; 2-Butene, 1,3-dichloro-; 1,3-Dichloro-2-butene; 1,3-Dichlorobut-2-ene; 1,3-Dichlorobutene-2; 1,3-Dichlorobutylene; EINECS 213-138-3; HSDB 1500; NSC 8749.

1184 **Dichloro(chloromethyl)methylsilane**
1558-33-4 G H



$C_2H_5Cl_3Si$
Silane, dichloro(chloromethyl)methyl-.
CC3275; Chloromethyldichloromethylsilane; Dichloro-

(chloromethyl)methylsilane; EINECS 216-319-5; Silane, dichloro(chloromethyl)methyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 121.5°; d^{20} = 1.2858. *Degussa-Hüls Corp.*

1185 Dichlorodifluoromethane

75-71-8 3089 H

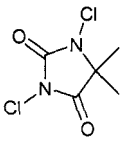
CCl_2F_2

Dichlorodifluoromethane.

AI3-01708; Algofrene type 2; Arcton 6; Arcton 12; Caswell No. 304; CCRIS 3501; CFC 12; Chlorofluorocarbon 12; Dichlorodifluoromethane; Diclorodifluometano; Difluorodichloromethane; Dwu-chlorodwufluorometan; Dymel 12; EINECS 200-893-9; Electro-CF 12; EPA Pesticide Chemical Code 000014; Eskimon 12; F 12; FC 12; FCC 12; FKW 12; Fluorocarbon-12; Forane 12; Freon 12; Freon F-12; Frigen 12; Genetron 12; Halocarbon 12; Halon; Halon 122; HSDB 139; Isceon 122; Isotron 2; Isotron 12; Kaiser chemicals 12; Ledon 12; Methane, dichlorodifluoro-; Propellant 12; R-12; R 12 (refrigerant); R12 [Nonflammable gas]; RCRA waste number U075; Refrigerant 12; Refrigerant R12; Ucon 12; Ucon 12/halocarbon 12; UN 1028. Registered by EPA as an insecticide (cancelled). Colorless gas; mp = -158°; bp = -29.8°, bp_{2atm} = -12.2°, bp_{5atm} = 16.1°, bp_{10atm} = 42.4°, bp_{20atm} = 74.0°, bp_{30atm} = 95.6°; stable below 550°; $d^{-29.8}_{liq}$ = 1.486; soluble in EtOH, Et_2O, H_2O.

1186 1,3-Dichloro-5,5-dimethyl hydantoin

118-52-5 3090 G



$C_5H_6Cl_2N_2O_2$

1,3-Dichloro-5,5-dimethyl-2,4-imidazolidinedione.

5-24-05-00373 (Beilstein Handbook Reference); AI3-23669; BRN 0146013; Caswell No. 306; CCRIS 5900; Dactin; Daktin; Dantochlor; Dantoin; Dantoin® DCDMH; DDH; Dichlorantin; 1,3-Dichloro-5,5-dimethyl hydantoin; 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidinedione; 1,3-Dichloro-5,5'-methylhydantoin; Dwuchlor-antyny; 1,3-Dwuchloro-5,5-dwumetylohydantoina; EINECS 204-258-7; EPA Pesticide Chemical Code 028501; Halane; HSDB 4373; Hydan; Hydan (antiseptic); Hydantoin, dichlorodimethyl-; Hydantoin, 1,3-dichloro-5,5-dimethyl-; 2,4-Imidazolidinedione, 1,3-dichloro-5,5-dimethyl-; NCI-C03054; NSC 33307; Omchlor; Sulfochloranthine . Intermediate for custom chemical synthesis, laundry bleach formulations, and automatic dishwashing compounds; disinfectant, industrial deodorant; stabilizer for vinyl chloride polymers; polymerization catalyst. Crystals; mp = 132°; soluble in H_2O, soluble in chlorinated and highly polar solvents; LD_{50} (rat orl) = 542 mg/kg. *Lonzagroup.*

1187 Dichlorodimethylsilane

75-78-5 H

$C_2H_6Cl_2Si$

Dimethyldichlorosilane.

4-04-00-04111 (Beilstein Handbook Reference); AI3-51462; BRN 0605287; CCRIS 783; Dichloro-(dimethyl)silane; Dichlorodimethylsilane; Dichloro-dimethylsilicon; Dimethyl-dichlorsilan; Dimethyldi-chlorosilane; Dimethylsilane dichloride; EINECS 200-901-0; HSDB 361; Inerton AW-DMCS; Inerton dw-dmc; LS 130; NSC 77070; Repel-Silan; Silane, dichlorodimethyl-; UN1162. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -16°; bp = 70.3°; d^{25} = 1.064; soluble in H_2O and in organic solvents. *Degussa-Hüls Corp.*

1188 Dichlorodimethyltin

753-73-1 H

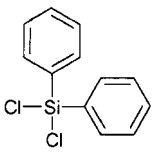
$C_2H_6Cl_2Sn$

Dimethyltin dichloride.

CCRIS 6320; Cotin 210; Dichlorid dimethylcinicity; Dichlorodimethylstannane; Dichlorodimethyltin; Di-methyldichlorostannane; Dimethyldichlorotin; Dimethyl-tin dichloride; Dimethylzinndichloride; EINECS 212-039-2; NSC 55159; Stannane, dichlorodimethyl-; Tin, dimethyl-, dichloride.

1189 Dichlorodiphenylsilane

80-10-4 G H



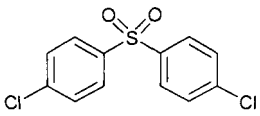
$C_{12}H_{10}Cl_2Si$

Diphenyldichlorosilane.

4-16-00-01526 (Beilstein Handbook Reference); AI3-51461; BRN 0609882; CD5950; Dichlor-difenylsilan; Dichloro(diphenyl)silane; Dichlorodiphenylsilane; Di-phenyl dichlorosilane; Diphenyldichlorosilane; Diphenylsilicon dichloride; Diphenylsilyl dichloride; EINECS 201-251-0; HSDB 316; NSC 77110; Silane, dichlorodiphenyl-; TSL 8062; UN1769. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -22°; bp = 305°; d^{25} = 1.2040; soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4. *Degussa-Hüls Corp.*

1190 4,4'-Dichlorodiphenyl sulfone

80-07-9 H



$C_{12}H_8Cl_2O_2S$

4,4'-Dichlorodiphenyl sulfone.

4-06-00-01587 (Beilstein Handbook Reference); 4,4'-Dichlorodiphenyl sulfone; AI3-01386; AI3-02901; Benzene, 1,1'-sulfonylbis(4-chloro-; Bis(4-chlorophenyl) sulfone; Bis(4-chlorophenyl) sulphone; Bis(p-chlorophenyl) sulfone; BRN 2052955; Di-p-chlorophenyl sulfone; EINECS 201-247-9; HSDB 5233; NSC

23899; Sulfone, bis(p-chlorophenyl).

1191 1,1-Dichloroethane

75-34-3 3843 H

$C_2H_4Cl_2$

Ethylidene chloride.

Aethylidenchlorid; Äthylidenchlorid; CCRIS 224; Chlorinated hydrochloric ether; Chlorure d'ethylidene; Cloruro di etilidene; DCE; α,α-Dichloroethane; 1,1-Dichloorethaan; 1,1-Dichloraethan; 1,1-Dichlorethane; 1,1-Dichloroethane; 1,1-Dicloroetano; 1,1-Ethylidene dichloride; EINECS 200-863-5; Ethane, 1,1-dichloro-; Ethylidene chloride; Ethylidene dichloride; HSDB 64; NCI-C04535; RCRA waste number U076; UN2362. Used to make flexible plastic food wrap and flame retardant fabrics, in piping, coating for steel pipes, and adhesive applications. Found in many food and other packaging materials. Liquid; mp = -96.9°; bp = 57.4°; d^{20} = 1.1757; soluble in organic solvents. *Dow Chem. U.S.A.; PPG Ind.*

1192 1,1-Dichloroethene

75-35-4 10057 H

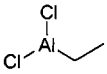
$C_2H_2Cl_2$

Vinylidene chloride.

AI3-28804; CCRIS 622; Chlorure de vinylidene; 1,1-Dichloroethene; 1,1-Dichloroethylene; as-Dichloro-ethylene; asym-Dichloroethylene; EINECS 200-864-0; Ethene, 1,1-dichloro-; Ethylene, 1,1-dichloro-; HSDB 1995; NCI-C54262; RCRA waste number U078; UN1303; VDC; Vinylidene chloride; Vinylidene dichloride. Used as a monomer in production, for example, of Saran. Volatile liquid; mp = -122.5°; bp = 31.6°; d^{20} = 1.213; insoluble in H_2O, soluble in organic solvents. *Dow Chem. U.S.A.; Dow UK.*

1193 Dichloroethylaluminum

563-43-9 H



$C_2H_5AlCl_2$

Dichloromonoethylaluminum.

Aluminum, dichloroethyl-; Dichloroethylaluminum; Dichloromonoethylaluminum; EINECS 209-248-6; Ethyl aluminum dichloride; Ethylaluminium dichloride; Ethyldichloroaluminum; HSDB 317.

1194 Dichlorofluoroethane

1717-00-6 G

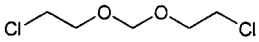
$C_2H_3Cl_2F$

1,1-Dichloro-1-fluoroethane.

4-01-00-00134 (Beilstein Handbook Reference); BRN 1731585; CCRIS 7208; CFC-141; CFC 141b; Dichlorofluoroethane; 1,1-Dichloro-1-fluoroethane; Ethane, 1,1-dichloro-1-fluoro-; Freon-141; Freon 141b; Genetron® 141b; HCFC 141b; HSDB 6757; Isotron 141b; R 141b; Refrigerant 141b; Solkane 141b . Blowing agent (replacement for CFCs) in foam applications, rigid board, flexible foam. Liquid; mp = -103.5°; bp = 32°; d^{10} = 1.250. *Allied Signal.*

1195 Dichloromethoxy ethane

111-91-1 H



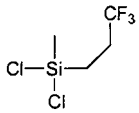
$C_5H_{10}Cl_2O_2$

Bis(2-chloroethoxy)methane.

4-01-00-03028 (Beilstein Handbook Reference); AI3-01455; Bis(β-chloroethyl) formal; Bis(2-chloro-ethoxy)-methane; BRN 1698909; Dichlorodiethyl formal; Dichlorodiethyl methylal; Dichloromethoxy ethane; EINECS 203-920-2; Ethane, 1,1'-(methylenebis(oxy))bis(2-chloro-; Formaldehyde bis(2-chloroethyl) acetal; HSDB 1333; Methane, bis(2-chloroethoxy)-; NSC 5212; RCRA waste number U024.

1196 Dichloromethyl-3,3,3-trifluoropropylsilane

675-62-7 H



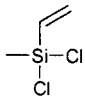
$C_4H_7Cl_2F_3Si$

(3,3,3-Trifluoropropyl)methyldichlorosilane.

4-04-00-04169 (Beilstein Handbook Reference); BRN 1744964; Dichloromethyl(3,3,3-trifluoropropyl)silane; EINECS 211-623-4; Silane, dichloromethyl(3,3,3-trifluoropropyl)-; (3,3,3-Trifluoropropyl)methyldichloro-silane.

1197 Dichloromethylvinylsilane

124-70-9 G H



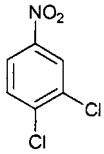
$C_3H_6Cl_2Si$

Dichloro(methyl)(vinyl)silane.

4-04-00-04184 (Beilstein Handbook Reference); AI3-51464; BRN 1740822; CCRIS 2457; CV-4772; Dichloro(methyl)(vinyl)silane; Dichloromethylvinylsilane; EINECS 204-710-3; Methyldichlorovinylsilane; NSC 96610; Silane, dichloroethenylmethyl-; Silane, dichloro-methylvinyl-; Vinylmethyldichlorosilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp ◘ 92.5°; d^{20} = 1.0868; freely soluble in H_2O. *Degussa-Hüls Corp.*

1198 1,2-Dichloro-4-nitrobenzene

99-54-7 H



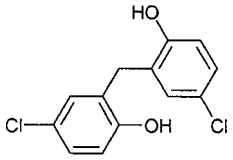
$C_6H_3Cl_2NO_2$

Benzene, 1,2-dichloro-4-nitro-.

4-05-00-00726 (Beilstein Handbook Reference); AI3-03268; Benzene, 1,2-dichloro-4-nitro-; BRN 1818163; CCRIS 3097; DCNB; EINECS 202-764-2; HSDB 4252; NSC 6295. Needles, mp = 43°; bp = 255.5°; d^{75} = 1.4558; λ_m ■ 225, 287 nm (ε = 6130, 11400, MeOH); insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O.

1199 Dichlorophen

97-23-4 3096 D F G



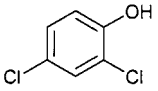
$C_{13}H_{10}Cl_2O_2$

2,2'-Methylenebis(4-chlorophenol).

4-06-00-06658 (Beilstein Handbook Reference); Acticide DDM; AI3-02370; Algafen; Algofen; Anthipen; Anthiphen; Antifen; Antiphen; BRN 1884514; Caswell No. 563; CCRIS 6060; Cordocel; DDDM; DDM; Di-phentane-70; Di-phenthane-70; Dicestal; Dichloorfeen; Dichlorofen; Dichlorophen; Dichlorophen B; Dichlorophene; Dichlorophene 10; Dichlorophenum; Dichlorphen; Diclorofeno; Didroxan; Didroxane; Difentan; Diphenthane 70; EINECS 202-567-1; Embephen; EPA Pesticide Chemical Code 055001; Fungicide GM; Fungicide M; G-4; Gefir; Gingivit; Giv Gard G 4-40; Halenol; HSDB 6033; Hyosan; Korium; NSC-38642; Nuophen; Palacel; Panacide; Parabis; Plath-Lyse; Prevental; Preventol G-D; Preventol GD; Preventol GDC; Sandocide; Sindar G 4; Super mosstox; Taeniatol; Teniathane; Teniatol; Teniotol; Trivex; Vermithana; Wespuril. Agricultural fungicide, antimicrobial and germicide. Bactericide/fungicide used in textiles, cellulose solutions, proteins, adhesives and soaps; bactericide/algicide for water treatment. Fungicide for use on textiles, cordage, and hair felt. Registered by EPA as an antimicrobial, fungicide and insecticide (cancelled). Used medically as an anthelmintic targeting cestodes. Colorless crystals; mp = 177 - 178°; soluble in H_2O (0.003 g/100 ml), EtOH (53 g/100 ml), Me_2CO (80 g/100 ml), MeOH, isopropyl ether, petroleum ether; LD_{50} (mrat orl) = 1506 mg/kg, (frat orl) = 1683 mg/kg, (mus orl) = 1000 mg/kg, (gpg orl) = 1250 mg/kg, (dog orl) = 2000 mg/kg; toxic to fish. *Aventis Crop Science; Degussa-Hüls Corp.; Hüls Am.; May & Baker Ltd.; Sigma-Aldrich Co.; Thor.*

1200 Dichlorophenol

120-83-2 3098 H



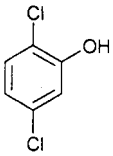
$C_6H_4Cl_2O$

2,4-Dichlorophenol.

4-06-00-00885 (Beilstein Handbook Reference); 4,6-Dichlorophenol; AI3-00078; BRN 0742467; CCRIS 657; 2,4-DCP; 2,4-Dichlorohydroxybenzene; 2,4-Dichloro-phenol; EINECS 204-429-6; HSDB 1139; 1-Hydroxy-2,4-dichlorobenzene; NCI-C55345; NSC 2879; Phenol, 2,4-dichloro-; RCRA waste number U081. Needles; mp = 45°; bp = 210°; λ_m = 211, 229, 287 nm (ε = 6580, 6550, 2450, MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$.

1201 2,5-Dichlorophenol

583-78-8 H



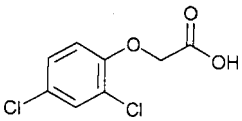
$C_6H_4Cl_2O$

Phenol, 2,5-dichloro.

4-06-00-00942 (Beilstein Handbook Reference); BRN 1907692; CCRIS 5903; 2,5-Dichlorophenol; EINECS 209-520-4; HSDB 4287; NSC 6296; Phenol, 2,5-dichloro-. Prisms; mp = 59°; bp = 211°; λ_m = 225, 282, 289 nm (ε = 4250, 1560, 1380, MeOH); slightly soluble in H_2O, soluble in C_6H_6, petroleum ether, very soluble in EtOH, Et_2O.

1202 2,4-Dichlorophenoxyacetic acid

94-75-7 2825 H P



$C_8H_6Cl_2O_3$

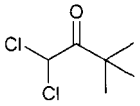
(2,4-Dichlorophenoxy)acetic acid.

2,4-D; 2,4-D acid; 2,4-D Amine No. 4; 2,4-D LV6; 2,4-D, salts and esters; 2,4-PA; 4-06-00-00908 (Beilstein Handbook Reference); Acetic acid, (2,4-dichloro-phenoxy)-; Acide 2,4-dichloro phenoxyacetique; Acido(2,4-dicloro-fenossi)-acetico; Acme LV 4; Acme LV 6; Agricorn D; Agrotect; AI3-08538; Amidox; Amine 4 2,4-D Weed Killer; Amoxone; Asgrow; Asgrow Aqua KD; B-Selektonon; Barrage; BH 2,4-D; BRN 1214242; Brush-rhap; Butoxy-D 3: 1 *Liquid* emulsifiable Brushkiller LV96; Caswell No. 315; CCRIS 949; Chipco turf herbicide D; Chloroxone; Citrus fix; Crop Rider; Croprider; Crotilin; De-Pester Ded-Weed LV-2; Debroussaillant 600; Decamine; Ded-Weed LV-69; Deherban; Dichloro-phenoxyacetic acid; 2,4-Dichlorophenoxyacetic acid; Dicopur; Dicotox; DMA 4; Dormon; Dormone; 2,4-Dwuchlorofenoksyoctowy kwas; EINECS 202-361-1; Emulsamine; Emulsamine BK; Emulsamine E-3; ENT 8,538; Envert DT; EPA Pesticide Chemical Code 030001; Esteron 44 weed killer; Esteron 76 BE; Estone; Fernesta; Fernimine; Ferxone; Foredex 75; Formula 40; Formula 40 4L; Green Cross Weed-No-More 80; Hedonal; Hedonal (the herbicide); Helena 2,4-D; Herbidal; Hivol-44; HSDB 202; Ipaner; Kwas 2,4-dwuchlorofenoksyoctowy; Kwasu 2,4-dwuchlorofenoksyoctowego; Kyselina 2,4-dichlor-fenoxyoctova; Lawn-keep; Low Vol 4 Ester Weed Killer; Macondray; Macrondray; MCP; Miracle; Monosan; Mota Maskros; Moxon; Moxone; Netagrone; Netagrone 600; NSC 2925; Pennamine D; Phenox; Phenoxyacetic acid, 2,4-dichloro-; Pielik; Planotox; Plantgard; R-H Weed Rhap 20; RCRA waste number U240; Red Devil Dry Weed Killer; Rhodia; Scott's 4-XD Weed Control; Silvaprop 1; Standard 2,4-D Amine; Superormone concentre; Tributon; U 46DP; U-5043; Vergemaster; Verton; Verton 2D; Verton 38; Vidon 638; Visko-rhap low volatile 4l; Visko-rhap low drift herbicides; Weed-Ag-Bar; Weed-B-gon; Weed-Rhap; Weed-Rhap A-4; Weed-Rhap B-4; Weed-Rhap B-266; Weed-Rhap I-3.34; Weed-Rhap LV-4-0; Weed Tox; Weedar 64; Weedar 64A; Weedatul; Weedez; Weedez Wonder BAR; Weedone; Weedone 100 Emulsifiable; Weedone-2,4-DP; Weedone LV4; Weedtrol; Wonder BAR. A selective weed killer, used for the control of broad leafed weeds on amenity areas, golf courses, playing fields, etc. A translocatable herbicide for cereals and established grassland. Registered by EPA as a herbicide and fungicide. Crystals; mp = 140.5°; $bp_{0.4}$ = 160°; sg^{30} = 1.565; soluble in H_2O (0.062 g/100 ml), EtOH (125 g/100 ml), Et_2O (24.3 g/100 ml), C_7H_{16} (0.11 g/100 ml), C_7H_8 (0.67 g/100 ml), xylene (0.58 g/100 ml); LD_{50} (rat orl) = 375 mg/kg, (rbt der) > 1600 mg/kg, (wild duck orl) > 1000 mg/kg, (Japanese quail, pigeon orl) = 668 mg/kg,

(pheasant orl) = 472 mg/kg; LC_{50} (rainbow trout 48 hr.) = 1.1 mg/l; non-toxic to bees. *Agriliance LLC; Amvac Chemical Corp.; Atlas Interlates Ltd; Burts & Harvey; Farm Protection Ltd.; Helena Chemical Co.; ICI Plant Protection; Makhteshim Chemical Works Ltd.; Mirfield Sales Services Ltd; MTM AgroChemicals Ltd.; Nufarm Americas Inc.; Pace International LLC; Rhône Poulenc Crop Protection Ltd.; Shell UK; Synchemicals Ltd; UAP - Platte Chemical.*

1203 Dichloropinacolin

22591-21-5 H



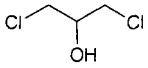
$C_6H_{10}Cl_2O$

1,1-Dichloro-3,3-dimethylbutan-2-one.

4-01-00-03313 (Beilstein Handbook Reference); BRN 1752918; 2-Butanone, 1,1-dichloro-3,3-dimethyl-; 1,1-Dichloro-3,3-dimethyl-2-butanone; 1,1-Dichloro-3,3-dimethylbutan-2-one; Dichloromethyl tert-butyl ketone; Dichloropinacolin; Dichloropinakolin; ω,ω-Dichlorpinakolin; EINECS 245-111-7.

1204 1,3-Dichloro-2-propanol

96-23-1 3100 H



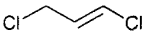
$C_3H_6Cl_2O$

2-Propanol, 1,3-dichloro-.

4-01-00-01491 (Beilstein Handbook Reference); AI3-14899; BRN 1732063; CCRIS 953; Dichlorohydrin; s-Dichloroisopropyl alcohol; sym-Dichloroisopropyl alcohol; Sym-dichloroisopropyl alcohol; EINECS 202-491-9; Enodrin; Gdch; Glycerol α,γ-dichlorohydrin; Glycerol 1,3-dichlorohydrin; s-Glycerol dichlorohydrin; Sym-glycerol dichlorohydrin; HSDB 5302; NSC 70982; α-Propenyldichlorohydrin; Propylene dichlorohydrin; U 25,354. Liquid; bp = 176°; d^{17} = 1.3506; Very soluble in H_2O, EtOH, Et_2O, soluble in Me_2CO, $CHCl_3$.

1205 1,3-Dichloropropene

542-75-6 3101 G H



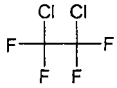
$C_3H_4Cl_2$

1,3-Dichloro-1-propylene.

3-01-00-00704 (Beilstein Handbook Reference); BRN 1719556; Caswell No. 324A; CCRIS 955; 3-Chloroallyl chloride; 3-Chloropropenyl chloride; D-D 92; DD 95; Di-Trapex CP; Dichloro-1,3 propene; Dichloropropene; Dorlone; Dorlone II; EINECS 208-826-5; EPA Pesticide Chemical Code 029001; HSDB 1109; NCI-C03985; Nematox; Nemex; NSC 6202; Propene, 1,3-dichloro-; RCRA waste number U084; Telone; Telone C; Telone C17; Telone II; Telone II-B; Telone II soil fumigant; Vorlex 201; Z-isomer [10061-01-5]; E-isomer [10061-02-6]. Used in soil fumigants added to soil prior to planting to control soil pests such as nematodes which feed on the roots of plants and reduce yields. Registered by EPA as an fungicide and nematicide. Used as a nematicide. Liquid; mp < -50°; bp = 104.3°; d^{25} = 1.220; LD_{50} (rat orl) = 150 mg/kg, (mrat orl) = 713 mg/kg, (frat orl) = 470 mg/kg, (rat der) = 1200 mg/kg, (rbt der) = 504 mg/kg; LC_{50} (rat ihl 90 day) = 0.05 mg/l air, (rat ihl 2 year) > 0.099 mg/l air, (mus ihl 2 year) > 0.05 mg/l air, (mallard duck, bobwhite quail 8 day dietary) > 10000 mg/kg diet, (rainbow trout 96 hr.) = 3.9 mg/l, (bluegill sunfish 96 hr.) = 7.1 mg/l, (*Daphnia* 48 hr.) = 6.2 mg/l; non-toxic to bees. *Dow AgroSciences; DowElanco Ltd.; Soil Chemicals Corp.; Trical.*

1206 Dichlorotetrafluoroethane

76-14-2 2633 G H



$C_2Cl_2F_4$

1,2-Dichloro-1,1,2,2-tetrafluoroethane.

4-01-00-00137 (Beilstein Handbook Reference); Arcton 33; Arcton 114; BRN 1740333; Caswell No. 326A; CFC 114; Criofluorano; Cryofluorane; Cryofluoranum; Dichlorotetrafluoroethane; EINECS 200-937-7; EPA Pesticide Chemical Code 326200; Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-; Ethane, 1,2-dichlorotetrafluoro-; F 114; F 114 (halocarbon); FC 114; FKW 114; Fluorane 114; Fluorocarbon 114; Freon 114; Frigen 114; Frigiderm; Genetron 114; Genetron 316; Halocarbon 114; HSDB 146; Ledon 114; Propellant 114; R 114; R 114 (halocarbon); Refrigerant 114; sym-Dichlorotetrafluoroethane; Ucon 114. Used with centrifugal compressors for higher capacities or for lower evaporator temperature process applications; also for foam applications. Gas; mp = -94°; bp = 3.8°; d^{25} = 1.455; soluble in organic solvents. *Allied Signal.*

1207 Dichlorotetrafluoroethane

374-07-2 H

$F_3C—CFCl_2$

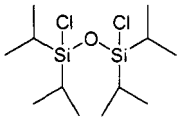
$C_2Cl_2F_4$

1,1-Dichlorotetrafluoroethane.

Dichlorotetrafluroethane; 1,1-Dichloro-1,2,2,2-tetra-fluoroethane; 1,1-Dichlorotetrafluoroethane; EINECS 206-774-8; Ethane, 1,1-dichloro-1,2,2,2-tetrafluoro-; Ethane, 1,1-dichlorotetrafluoro-; Frigen 114A; HSDB 5564; 1,1,1,2-Tetrafluoro-2,2-dichloroethane. Gas; mp = -56.6°; bp = 4°; d^{25} = 1.455; very soluble in C_6H_6, EtOH, Et_2O.

1208 1,3-Dichlorotetraisopropyl-disiloxane

69304-37-6 G



$C_{12}H_{28}Cl_2OSi_2$

1,3-Dichloro-1,1,3,3-tetraisopropyldisiloxane.

CD4368; 1,3-Dichlorotetraisopropyldisiloxane; 1,3-Di-chloro-1,1,3,3-tetraisopropyldisiloxane; 1,3-Dichloro-tetraisopropylsiloxane; Disiloxane, 1,3-dichloro-1,1,3,3-tetrakis(1-methylethyl)-; 1,1,3,3-Tetraisopropyl-1,3-di-chlorodisiloxane; Tipdsicl2; TIPSCl. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{15} = 120°; d = 1.0010; n_D^{20} = 1.4543. *Degussa-Hüls Corp.*

1209 Dichloro(trifluoromethyl)methane

306-83-2 G H

$F_3C—CHCl_2$

$C_2HCl_2F_3$

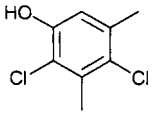
2,2-Dichloro-1,1,1-trifluoroethane.

4-01-00-00135 (Beilstein Handbook Reference); BRN 1736763; CCRIS 7216; CFC-123; Chlorofluorocarbon 123; Dichloro(trifluoromethyl)methane; Dichloro-trifluoroethane; EINECS

206-190-3; Ethane, 2,2-dichloro-1,1,1-trifluoro-; FC 123; Freon 123; Genetron® 123; HCFC 123; HFA 123; HSDB 6752; R 123; Refrigerant HCFC-123; Refrigerant R 123; Solkane 123. Centrifugal refrigerant with low operating pressures. *Allied Signal.*

1210 Dichloroxylenol

133-53-9 3102 G



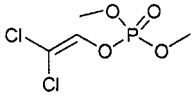
$C_8H_8Cl_2O$

2,4-Dichloro-3,5-dimethylphenol.

AI3-24011; Benzene, 2,4-dichloro-1,3-dimethyl-5-hydroxy-; DCMX; Decasept; 2,4-Dichloro-3,5-dimethylphenol; Dichloroxylenol; Dichloro-m-xylenol; 2,4-Dichloro-3,5-xylenol; 2,4-Dichloro-m,5-xylenol; Dichloroxylenolum; Dichlorxylenolum; Dicloroxilenol; Dicloroxilenolo; 3,5-Dimethyl-2,4-dichlorophenol; Dixol; EINECS 205-109-9; Hewsol; HSDB 2778; Nipacide® DX; NSC 9774; Ottacide; Phenol, 2,4-dichloro-3,5-dimethyl-; Prinsyl; 3,5-Xylenol, 2,4-dichloro-. Bacteriostat and preservative. mp = 83°; soluble in H_2O (200 mg/l), soluble in Et_2O. *Nipa.*

1211 Dichlorvos

62-73-7 3105 G



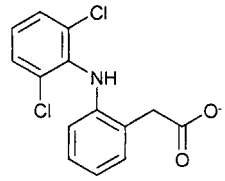
$C_4H_7Cl_2O_4P$

Dimethyl 2,2-dichlorovinyl phosphate.

4-01-00-02063 (Beilstein Handbook Reference); AI3-20738; Apavap; Astrobot; Atgard; Atgard C; Atgard V; BAY-19149; BAY-b 4986; Bayer 19149; Benfos; Bibesol; Brevinyl; Brevinyl E50; BRN 1709141; Canogard; Caswell No. 328; CCRIS 230; Chlorvinphos; Cypona; DDVP; DDVP (insecticide); Dedevap; Denkavepon; Deriban; Derribante; Des (phosphate); Devikol; Dichlofos; Dichloorvo; Dichlorfos; Dichlorman; Dichlorophos; Dichlorovos; Dichlorphos; Dichlorvos; Dichlorvosum; Diclorvos; Dimethyl 2,2-dichloroethenyl phosphate; Dimethyldichlorovinyl phosphate; Divipan; EINECS 200-547-7; ENT 20738; EPA Pesticide Chemical Code 084001; Equigard; Equigel; Estrosel; Estrosol; Fecama; Fekama; Fly-Die; Fly fighter; Herkal; Herkol; HSDB 319; Insectigas D; Krecalvin; Lindanmafu; MAFU strip; Marvex; Mopari; NCI-C00113; Nefrafos; Nerkol; NO-Pest; NO-Pest strip; Nogos; Nogos 50; Nogos 50 EC; Nogos G; Novotox; NSC-6738; Nuvan; Nuvan 100EC; Nuvan 7; OMS 14; Panaplate; Phosphate de dimethyle et de 2,2-dichlorovinyle; Phosphoric acid, 2,2-dichlorovinyl dimethyl ester; Phosvit; SD-1750; Szklarniak; TAP 9VP; Task; Tenac; Tetravos; Unifos; Unifos (pesticide); Unifos 50 EC; Uniphos; Unitox; Vapona; Vapona insecticide; Vaponite; Vapora II; Vinyl alcohol, 2,2-dichloro-, dimethyl phosphate; Vinylofos; Vinylophos; Winylophos; XLP 30. An insecticide used for spray control of sucking, biting and mining insects in greenhouses. Liquid; bp_{20} = 140°; bp^{18} = 93 - 94°; d^{20} = 1.120; d_4^{25}= 1.415; *soluble in* H_2O (10-20 mg/ml), very soluble in EtOH, Me_2CO, ligroin; soluble in other organic solvents; LD_{50} (mrat orl) = 80 mg/kg (frat orl) ◘ 56 mg/kg. *Bayer AG.*

1212 Diclofenac

15307-86-5 3108 D



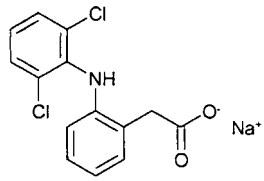
$C_{14}H_{11}Cl_2NO_2$

2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid.

BRN 2146636; Dichlofenac; Diclofenac; Diclofenac acid; Diclofenaco; Diclofenacum; Diclophenac; EINECS 239-348-5; Pennsaid; ProSorb-D. Anti-inflammatory. Crystals; mp = 156-158°. *Ciba-Geigy Corp.*

1213 Diclofenac Sodium

15307-79-6 3108 D



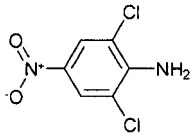
$C_{14}H_{10}Cl_2NNaO_2$

2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid mono-sodium salt.

Allvoran; Assaren; Benfofen; Cataflam; CCRIS 1909; Delphimix; Dichronic; Diclo-Phlogont; Diclo-Puren; Diclobenin; Diclofenac sodium; Diclophenac sodium; Diclord; Dicloreum; Dolobasan; Duravolten; Effekton; EINECS 239-346-4; Evofenac; GP-45840; Kriplex; Neriodin; Novapirina; Orthophen; Ortofen; Primofenac; Prophenatin; Rhumalgan; Sodium diclofenac; Solaraze; Tsudohmin; Valetan; Voldal; Voltaren; Voltaren ophthalmic; Voltarol; Xenid. Anti-inflammatory. Crystals; mp = 283-284°; λ_m = 283 nm (ε 10500 MeOH); soluble in H_2O, MeOH; less soluble in Me_2CO, CH_3CN, cyclohexane; LD_{50} (mus orl) 390 mg/kg, (rat orl) = 150 mg/kg. *Ciba-Geigy Corp.*

1214 Dicloran

99-30-9 G P



$C_6H_4Cl_2N_2O_2$

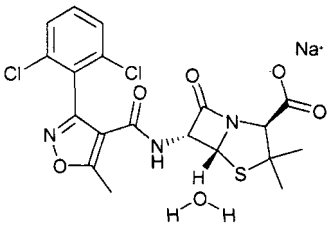
2,6-Dichloro-4-nitroaniline.

4-12-00-01681 (Beilstein Handbook Reference); AI3-08870; AL-50; Allisan; Aniline, 2,6-dichloro-4-nitro-; Batran; Benzenamine, 2,6-dichloro-4-nitro-; Bortran; Botran; Botran 45W; Botran 75W; BRN 1459581; Caswell No. 311; CCRIS 3111; CDNA; CNA; DCNA; DCNA (fungicide); Dichloran; Dichloran (amine fungicide); Dicloran; Dicloron; Ditranil; EINECS 202-746-4; EPA Pesticide Chemical Code 031301; HSDB 1570; Kiwi Lustr 277; NSC 218; RD-6584; Resisan; Resissan; U-2069. Used in smoke fungicides; for use in enclosed areas on protected crops. Protective fungicide used for control of *Botrytis, Monilinia, Rhizopus, Sclerotinia and Sclerotium* species in fruits and vegetables. Registered by EPA as a fungicide. Yellow crystals; mp = 191°; soluble in H_2O (0.00063 g/100 ml), Me_2CO (3.4 g/100 ml), dioxane (4 g/100 ml), $CHCl_3$ (1.2 g/100 ml), EtOAc (1.9

g/100 ml), C_6H_6 (0.46 g/100 ml), xylene (0.36 g/100 ml), cyclohexane (0.006 g/100 ml); LD_{50} (rat orl) = 4040 mg/kg, (mus orl) = 1500 - 2500 mg/kg, (gpg orl) = 1450 mg/kg, (mus der) > 5000 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) = 2000 mg/kg, (bee contact) ■ 0.18 mg/bee; LC_{50} (mallard duck 5 day dietary) = 5960 mg/kg diet, (bobwhite quail 5 day dietary) = 1435 mg/kg diet; (rainbow trout 96 hr.) = 1.6 mg/l, (bluegill sunfish 96 hr.) = 37 mg/l, (goldfish 96 hr.) = 32 mg/l; essentially non-toxic to bees. *Boots Co.; Britz Fertilizers Inc.; Gowan Co.; Octavius Hunt Ltd.*

1215 Dicloxacillin sodium

13412-64-1 3111 D G



$C_{19}H_{16}Cl_2N_3NaO_5S$

[2S-[2α,5α,6β]]-6-[[[3-(2,6-Dichlorophenyl)-5-methyl-4-isoxazolyl]carbonyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid sodium salt.

BLP-1011; Brispen; BRL-1702; Constaphyl; Dichlor-Stapenor; Dichlorstapenor sodium; Diclocil; Dicloxacillin sodium; Dicloxacillin sodium hydrate; Dycill; Dynapen; MDI-PC; Noxaben; P-1011; Pathocil; Pen-Sint; sodium dicloxacillin; Sodium dicloxacillin hydrate; Sodium dicloxacillin monohydrate; Stampen; Staphcillin A banyu; Syntarpen; Veracillin.; Anhydrous form [343-55-5]. Antibacterial. White powder; dec 222-225°; $[\alpha]_D^{20}$= 127.2° (H_2O); soluble in H_2O, MeOH; less soluble in butanol; slightly soluble in Me_2CO and the usual organic solvents; LD_{50} (mus iv) = 900 mg/kg, (rat ip) = 630 mg/kg, (rat orl) > 5000 mg/kg. *Bristol Laboratories; SmithKline Beecham Pharm.*

1216 Dicocodimonium chloride

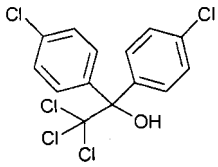
61789-77-3 H

Dicoco dimethyl ammonium chloride.

Arquad 2C; C_8-C_{18} dialkyldimethylammonium chloride; Di(coco alkyl) dimethyl ammonium chloride; Dialkyl(C_8-C_{18}) dimethylammonium chloride from coconut oil; Dicoco dimethyl ammonium chloride; Dicocoalkyldi-methylquaternary ammonium chloride compound; Dicocodimethylammonium chloride; Dicocodimonium chloride; Dicoconutdimethylammonium chloride; Dimethyldialkyl(C8-18)ammonium chloride; Dimethyl-dicocoammonium chloride; EINECS 263-087-6; Noramium M 2C; Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides; Quaternium 34; Variquat K 300.

1217 Dicofol

115-32-2 3113 G P



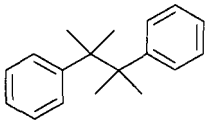
$C_{14}H_9Cl_5O$

1,1-Bis(chlorophenyl)-2,2,2-trichloroethanol.

4-06-00-04722 (Beilstein Handbook Reference); Acarin; AI3-23648; Benzenemethanol, 4-chloro-α-(4-chloro-phenyl)-α-(trichloromethyl)-; Benzhydrol, 4,4'-dichloro-α-(trichloromethyl)-; 1,1-Bis(4-chlorophenyl)-2,2,2-tri-chloroethanol; 1,1-Bis(chlorophenyl)-2,2,2-trichloro-ethanol; 1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethanol; BRN 1886299; Carbax; Caswell No. 093; CCRIS 231; Cekudifol; 4-Chloro-α-(4-chlorophenyl)-α-(trichloro-methyl)benzenemethanol; 4-Chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzyl alcohol; CPCA; Di-(p-chlorophenyl)trichloromethylcarbinol; Dichlorokelthane; 4,4'-Dichloro-α-(trichloromethyl)benzhydrol; Dicofol; Dicomite; DTMC; EINECS 204-082-0; ENT 23,648; Ethanol, 2,2,2-trichloro-1,1-bis(p-chlorophenyl)-; FW 293; Hilfol; Hilfol 18.5 EC; HSDB 631; Kelthane; para,para'-Kelthane; Kelthane A; Kelthane dust base; Kelthanethanol; Milbol; Mitigan; NCI-C00486; 2,2,2-Trichloor-1,1-bis(4-chloor-fenyl)-ethanol; 1,1,1-Trichlor-2,2-bis(4-chlorphenyl)-aethanol; 2,2,2-Trichlor-1,1-bis(4-chlor-phenyl)-aethanol; 2,2,2-Trichloro-1,1-bis(p-chloro-phenyl)ethanol; 2,2,2-Trichloro-1,1-di-(4-chlorophenyl)-ethanol; 2,2,2-Trichloro-1,1-bis(4-cloro-fenil)-etanolo; Tricofol; 4-Chloro-α-(4-chlorophenyl)-α-(trichloro-methyl)benzyl alcohol; CPCA; Di-(p-chlorophenyl)-trichloromethylcarbinol; Dichlorokelthane; 4,4'-Dichloro-α-(trichloromethyl)benzhydrol; Dicofol; Dicomite; DTMC; ENT 23,648; Ethanol, 2,2,2-trichloro-1,1-bis(p-chlorophenyl)-; FW 293; Hilfol; Hilfol 18.5 EC; HSDB 631; Kelthane; Kelthane A; Kelthane dust base; Kelthanethanol; Milbol; Mitigan; NCI-C00486; para,para'-Kelthane; 2,2,2-Trichloor-1,1-bis(4-chloor-fenyl)-ethanol; 1,1,1-Trichlor-2,2-bis(4-chlorphenyl)-äthanol; 2,2,2-Trichlor-1,1-bis(4-chlor-phenyl)-äthanol; 2,2,2-Trichloro-1,1-bis(4-chlorophenyl)-ethanol; 2,2,2-Trichloro-1,1-di-(4-chlorophenyl)ethanol; 2,2,2-Trichloro-1,1-bis(4-cloro-fenil)-etanolo. An acaricide and miticide. Registered by EPA as an acaricide and insecticide. Crystals; mp = 77.5°; bp = 225°, bp_{360} = 193°; d^{10} = 1.1234; $[\alpha]_D$ = 100°; insoluble in H_2O (0.00008 g/100 ml), soluble in Me_2CO (40 g/100 ml), EtOAc (40 g/100 ml), C_7H_8 (40 g/100 ml), MeOH (3.6 g/100 ml), C_6H_{14} (3 g/100 ml), i-PrOH (3 g/100 ml), λ_m = 226, 258, 266, 276 nm (logε = 4.43, 2.82, 2.85, 2.60); LD_{50} (mrat, orl) = 595 mg/kg, (frat orl) = 578 mg/kg, (gpg orl) = 1810 mg/kg, (rbt orl) = 1870 mg/kg, (rat dr) > 5000 mg/kg, (rbt der) = 2000 - 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 5 mg/l air, (bluegill sunfish 96 hr.) = 0.52 mg/l, (channel catfish 96 hr.) = 0.36 mg/l, (rainbow trout 24 hr.) = 0.11 mg/l; non-toxic to bees. *Agan Chemical Manufacturers; Dow AgroSciences; Gowan Co.; Griffin LLC; Makhteshim Chemical Works Ltd.; Makhteshim-Agan; Micro-Flo Co. LLC; Rohm & Haas Co.; Rohm & Haas UK.*

1218 Dicumene

1889-67-4 G



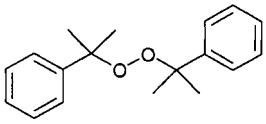
$C_{18}H_{22}$

2,3-Dimethyl-2,3-diphenylbutane.

AI3-23740; Benzene, 1,1'-(1,1,2,2-tetramethyl-1,2-ethanediyl)bis-; Bibenzyl, α,α,α',α'-tetramethyl-; Butane, 2,3-dimethyl-2,3-diphenyl-; α,α'-Dicumyl; 2,3-Dimethyl-2,3-diphenylbutane; EINECS 217-568-2; NSC 34859; Perkadox® 301,1'-(1,1,2,2-Tetramethylethylene)di-benzene. *Akzo Chemie.*

1219 Dicumyl peroxide

80-43-3 G H



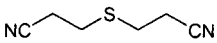
$C_{18}H_{22}O_2$

Bis(1-methyl-1-phenylethyl) peroxide.

4-06-00-03225 (Beilstein Handbook Reference); Active dicumyl peroxide; Aztec® DCP-R; Bis(α,α-dimethylbenzyl) peroxide; Bis(1-methyl-1-phenylethyl) peroxide; Bis(2-phenyl-2-propyl) peroxide; BRN 2056090; CCRIS 4616; Cumene peroxide; Cumyl peroxide; Di-cup 40C; Di-cup 40haf; Di-cup 40ke; Di-cup R; Di-cup T; Di-Cup; Di-Cup 40 KE; Di-cupr; Dicumene hydroperoxide; Dicumenyl peroxide; Dicumyl peroxide; Dicup 40; DiCup 40KE; Diisopropylbenzene peroxide; EINECS 201-279-3; HSDB 320; Isopropylbenzene peroxide; Kayacumyl D; Luperco; Luperco 500-40C; Luperco 500-40KE; Luperox; Luperox 500; Luperox 500R; Luperox 500T; Lupersol 500; NSC 56772; Percumyl D; Percumyl D 40; Perkadox 96; Perkadox B; Perkadox BC; Perkadox BC 40; Perkadox BC 9; Perkadox BC 95; Perkadox SB; Peroxide, bis(α,α-dimethylbenzyl); Peroxide, bis(1-methyl-1-phenylethyl); Peroximon® DC-40; Polyvel PCL-20; Samperox DCP; Varox dcp-R; Varox dcp-T. Polymerization initiation catalyst and vulcanizing agent; crosslinking agent for olefinic polymers. Liquid; bp = 130°; insoluble in H_2O (<1 mg/ml), soluble in organic solvents; LD_{50} (rat orl) = 4100 mg/kg. *Akrochem Chem. Co.; Akzo Chemie; British Traders & Shippers; Catalyst Resources Inc.; Elf Atochem N. Am.; Hercules Inc.; Mitsui Petroleum; Polyvel; Vanderbilt R.T. Co. Inc.*

1220 Dicyanoethyl sulfide

111-97-7 GH



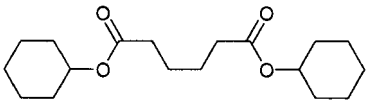
$C_6H_8N_2S$

3,3'-Thiodipropiononitrile.

4-03-00-00749 (Beilstein Handbook Reference); AI3-16840; Bis(2-cyanoethyl) sulfide; BRN 1701139; 2-Cyanoethyl sulfide; Di(2-cyanoethyl)sulfide; Dicyanoethyl sulfide; β,β'-Dicyanodiethyl sulfide; EINECS 203-926-5; Nitril kyseliny β,β'-thiodipropionove; NSC 2040; Propanenitrile, 3,3'-thiobis-; Propionitrile, 3,3'-thiodi-; Sulfide, bis(2-cyanoethyl); 2,2'-Thiodiethylkyanid; 3,3'-Thiodipropiononitrile; β,β'-Thiodipropionitrile; USAF HA-5.

1221 Dicyclohexyl adipate

849-99-0 G



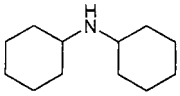
$C_{18}H_{30}O_4$

Hexanedioic acid, dicyclohexyl ester.

4-06-00-00041 (Beilstein Handbook Reference); Adipic acid, dicyclohexyl ester; AI3-01028; BRN 1997888; Dicyclohexyl adipate; EINECS 212-702-6; Ergoplast ADC; NSC 4199; Sipalin AOC. A solvent for cellulose nitrate.

1222 Dicyclohexylamine

101-83-7 3122 H



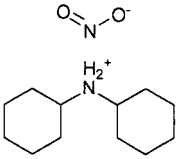
$C_{12}H_{23}N$

Cyclohexanamine, N-cyclohexyl-.

4-12-00-00022 (Beilstein Handbook Reference); AI3-15334; BRN 0605923; CCRIS 6228; Cyclohexanamine, N-cyclohexyl-; DCH; DCHA; Dicha; Dicyclohexylamine; Dicyklohexylamin; Dodecahydrodiphenylamine; EINECS 202-980-7; HSDB 4018; NSC 3399; UN2565. Liquid; mp = -0.1°; bp = 256° (dec), bp9 = 114°; d^{20} = 0.9123; slightly soluble in H_2O, CCl_4, soluble in EtOH, Et_2O, C_6H_6.

1223 Dicyclohexylamine nitrite

3129-91-7 G



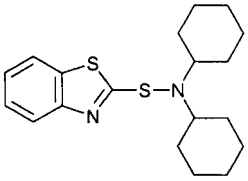
$C_{12}H_{24}N_2O_2$

Cyclohexanamine, N-cyclohexyl-, nitrite.

AI3-19769; CCRIS 4617; Cyclohexanamine, N-cyclohexyl-, nitrite; Dechan; Diana; Dichan; Dichau; Dicyclohexylamine nitrite; Dicyclohexylaminonitrite; Dicyclohexylammonium nitrite; Dicyklohexylamin nitrit; Dicynit; Dodecahydrophenylamine nitrite; Dusitan dicyklohexylaminu; EINECS 221-515-9; Leukorrosin C; N-Cyclohexylcyclohexanamine nitrite; NDA; NSC 49612; UN2687; VP 1260; VPI 260; VPT-260. Vapor-phase corrosion inhibitor for ferrous metals; designed for items enclosed in packaging, e.g., hot water heating systems, nuclear reactor heat-exchange units, gas recovery systems, jet aircraft engine compressors, internal combustion engines, welding electrodes and double-walled pipes. Solid; mp = 182-183°; oxidizer; soluble in H_2O, EtOH, less soluble in organic solvents; LD_{50} (rat orl) = 284 mg/kg. *Olin Corp.*

1224 Dicyclohexyl-2-benzothiazylsulfenamide

4979-32-2 H



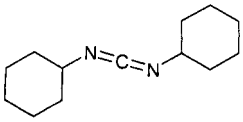
$C_{19}H_{26}N_2S_2$

N,N-Dicyclohexylbenzothiazole-2-sulphenamide.

Accelerator DZ; 2-Benzothiazolesulfenamide, N,N-dicyclohexyl-; BRN 0621701; Dicyclohexyl-2-benzothiazylsulfenamide; N,N-Dicyclohexyl-2-benzo-thiazolesulfenam; N,N-Dicyclohexylbenzothiazole-2-sulphenamide; N,N-Dicyklohexylbenzthiazolsulfenamid; EINECS 225-625-8; M 181; Meramid DCH; Rhodifax 30; Soxinol DZ; Sulfenamid DC; Vulkacit DZ.

1225 Dicyclohexyl carbodiimide

538-75-0 3123 G



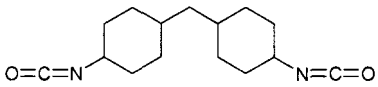
$C_{13}H_{22}N_2$

N,N'-Methanetetraylbiscyclohexanamine.

4-12-00-00072 (Beilstein Handbook Reference); AI3-08191; Bis(cyclohexyl)carbodiimide; BRN 0610662; Carbodicyclohexylimide; Carbodiimide, dicyclohexyl-; Cyclohexanamine, N,N'-methanetetraylbis-; DCC; DCCD; DCCI; Dicyclohexylcarbodiimide; 1,3-Dicyclohexylcarbodiimide; N,N'-Dicyclohexylcarbo-diimide; EINECS 208-704-1; N,N'-Methanetetrayl-biscyclohexaamine; NSC 30022. A chemical intermediate and coupling agent used in peptide synthesis. Crystals; mp = 34.5°; bp_{11} = 154-156°, bp_6 = 123°, $bp_{0.5}$ = 99°; reacts with H_2O; contact allergen. *Janssen Chimica; Lancaster Synthesis Co.*

1226 Dicyclohexylmethane 4,4'-diisocyanate

5124-30-1 H



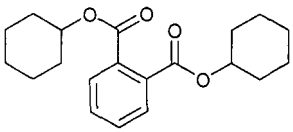
$C_{15}H_{22}N_2O_2$

1,1-Methylenebis(4-isocyanatocyclohexane).

BRN 2217800; CP 99173; Cyclohexane, 1,1'-methylenebis(4-isocyanato-; Dicyclohexylmethane 4,4'-diisocyanate; EINECS 225-863-2; Hydrogenated MDI; Hylene W; Isocyanic acid, methylenedi-4,1-cyclo-hexylene ester; Methylene bis-(4-cyclohexylisocyanate); Nacconate H 12.

1227 Dicyclohexyl phthalate

84-61-7 G H



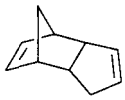
$C_{20}H_{26}O_4$

Dicyclohexyl 1,2-benzenedicarboxylate.

4-09-00-03189 (Beilstein Handbook Reference); AI3-00515; BRN 1889288; CCRIS 6190; DCHP; Dicyclohexyl 1,2-benzenedicarboxylate; Dicyclohexyl phthalate; EINECS 201-545-9; Ergoplast FDC; HF 191; Howflex CP; HSDB 5246; KP 201; NSC 6101; Phthalic acid, dicyclohexyl ester; Unimoll 66. A plasticizer for nitrocellulose, ethylcellulose, chlorinated rubber, PVAc, PVC, and other polymers. Used in formulation of delayed tack heat sealable coatings, it is a heat activated plasticizer for heat seal applications such as food wrappers/labels, pharmaceutical labels and other applications where delayed heat activated adhesive is required; used in manufacture of printing ink formulations for paper, vinyl, textiles, and other substrates. Solid; mp = 66°; d^{20} = 1.383; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$. *Bayer AG; Lancaster Synthesis Co.; Miles Inc.; Morflex; Unitex.*

1228 Dicyclopentadiene

77-73-6 H



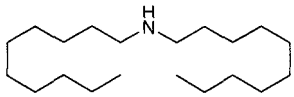
$C_{10}H_{12}$

3a,4,7,7a-Tetrahydro-4,7-Methano-1H-indene.

2-05-00-00391 (Beilstein Handbook Reference); AI3-03386; Bicyclopentadiene; Biscyclopentadiene; BRN 1904092; CCRIS 4790; Cyclopentadiene dimer; Dicyclopentadiene; α-Dicyclopentadiene; Dicyklo-pentadien; Dimer cyklopentadienu; EINECS 201-052-9; HSDB 321; NSC 7352; Tricyclo(5.2.1.0)-3,8-decadieneUN2048. Component of inks, adhesives and polyester resins for molded parts such as tub and shower stalls and boat hulls. Solid; mp = 33.6°; bp = 170.7°; d^{35} = 0.977; almost insoluble in H_2O (0.002 g/100 ml), soluble in organic solvents; EC_{50} (Selenastrum) ■ 27 mg/l, 72 hr., (Daphnia magna) = 8 mg/l, 48 hr., (Oryzias latipes) = 4.3 mg/l, 96 hr. *Chevron; Equistar Chemical Products; Lancaster Synthesis Co.; Mallinckrodt Inc.; Phillips 66; Sigma-Aldrich Fine Chem.*

1229 Didecylamine

1120-49-6 G



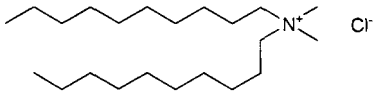
$C_{20}H_{43}N$

Di-n-decylamine.

Armeen® 2-10; 1-Decanamine, N-decyl-; Didecylamine; EINECS 214-312-1; Radiamine 6310. Industrial surfactant and intermediate for wide range of chemicals used as fabric softeners, household products and disinfectants. Solid; mp = 42-45°. *Akzo Chemie; Fina Chemicals.*

1230 Didecyldimethylammonium chloride

7173-51-5 3126 G P



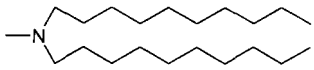
$C_{22}H_{48}ClN$

Didecyl dimethyl ammonium chloride.

Aliquat 203; Ammonium, didecyldimethyl-, chloride; Arquad 10; Arquad 210-50; Astop; Bardac 22; Bardac 2250; Bardac 2270E; Bardac 2280; Bio-dac 50-22; Bio-Dac; Britewood Q; BTC 99; BTC 1010; BTC® 1010-80; BTCO 1010; Calgon H 130; Caswell No. 331A; D 10P; DDAC; DDC 80; 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride; N-Decyl-N,N-dimethyl-1-decan-aminium chloride; Dimethyldidecylammonium chloride; Dodigen 1881; EINECS 230-525-2; EPA Pesticide Chemical Code 069149; H 130 (molluscicide); Maquat 4480E; Nissan Cation 2DB; Odex Q; Quartamin D 10E; Quartamin D 10P; Quaternium 12; Querton 210CL; Querton 210Cl-50; Radiaquat 6410; Radiaquat 6412; Rewoquat B 10; Siaoff 91; Timbercote 2000; Tret-O-Lite XC 507. Fungicide for hard-surface disinfection and sanitization; algicide in swimming pool and industrial water treatment; deodorizer. Bactericide, fungicide for food processing industry, breweries, catering and hospitals; in detergent sanitizers, used in commercial laundries. Disinfectant for cleaners, e.g., for dairies and food industry. Registered by EPA as a fungicide, herbicide and antimicrobial. Used as a slimicide. Solid; soluble in Me_2CO, C_6H_6, insoluble in C_6H_{14}. *Berol Nobel AB; Fina Chemicals; Rewo; Stepan Canada; Stepan.*

1231 Di(decyl)methylamine

7396-58-9 G H



$C_{21}H_{45}N$

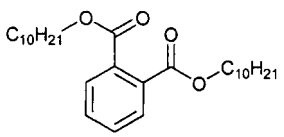
1-Decanamine, N-decyl-N-methyl-.

Amine M210D; Armeen® M2-10D; Dama® 1010; Didecylamine, N-

methyl-; EINECS 230-990-1; Methyl decyl-1-amino decane; N-Methyldidecylamine; Radia-mine 6310. Intermediate in the manufacture of quaternary ammonium compounds for biocides, textile chemicals, oil field chemicals, amine oxides, betaines, polyurethane foam catalysis, epoxy curing agent; in fabric softeners, disinfectants and laundry detergents. Solid; d = 0.807. *Ethyl Corp.*

1232 Didecyl phthalate

84-77-5 GH



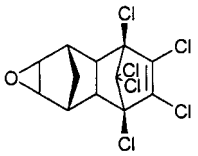
$C_{28}H_{46}O_4$

Didecyl 1,2-benzenedicarboxylate.

4-09-00-03186 (Beilstein Handbook Reference); AI3-02692; Bis(n-decyl) phthalate; BRN 1893077; Decyl phthalate; Di-n-decyl phthalate; Didecyl 1,2-Benzenedicarboxylate; Didecyl phthalate; EINECS 201-561-6; HSDB 5248; NLA-40; NSC 15319; Phthalic acid, didecyl ester; Vinicizer 105; Vinysize 105. Plasticizer. Clear oil; mp = 4°; d = 0.9700. *National Lead Co.*

1233 Dieldrin

60-57-1 3129 P



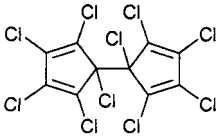
$C_{12}H_8Cl_6O$

1,2,3,4,10,10-Hexachloro-1R,4S,4aS,5R,6R,7S,8S,8aR-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene.

AI3-16225; Aldrin epoxide; Alvit; Alvit 55; Caswell No. 333; CCRIS 233; Compound 497; Dieldren; Dieldrex; Dieldrin; Dieldrina; Dieldrine; Dieldrinum; Dieldrite; Dielmoth; Dildrin; Dorytox; EINECS 200-484-5; ENT 16,225; EPA Pesticide Chemical Code 045001; HEOD; Hexachloroepoxyoctahydro-endo, exo-dimethano-naphthalene; HSDB 322; Illoxol; Insecticide No. 497; Insectlack; Kombi-Albertan; Latka 497; Moth Snub D; NA2761; NCI-C00124; NSC 8934; Octalox; Panoram D-31; RCRA waste number P037; Red Shield; SD 3417; Shelltox; Termitox. Has been used as an insecticide. No longer used in Europe and the US but is used widely in Africa and S. America for termite control. Crystals; mp = 176 - 177°; d^{25} = 1.75; soluble in organic solvents, insoluble in H_2O; LD_{50} (rat orl) = 46 mg/kg. (terminated); *Shell.*

1234 Dienochlor

2227-17-0 3131 GP



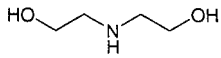
$C_{10}Cl_{10}$

1,1',2,2',3,3',4,4',5,5'-decachlorobi-2,4-cyclopentadien-1-yl.

4-05-00-01542 (Beilstein Handbook Reference); AI3-25718; Bi-2,4-cyclopentadien-1-yl, 1,1',2,2',3,3',4, 4',5,5'-decachloro-; Bi-2,4-cyclopentadien-1-yl, deca-chloro-; Bis(pentachlor-2,4-cyclopentadien-1-yl); Bis(pentachloro-2,4-cyclopentadien-1-yl); Bis(penta-chlorocyclopentadienyl); BRN 2064747; Caswell No. 274; Decachlor; Decachlorobi-2,4-cyclopentadien-1-yl; Decachlorobis(2,4-cyclopentadiene-1-yl); 1,1',2,2',3,3', 4,4',5,5'-Decachlorobi-2,4-cyclopentadien-1-yl; Dieno-chlor; Dienochlore; EINECS 218-763-5; ENT 25,718; EPA Pesticide Chemical Code 027501; Hooker hrs-16; Hooker HRS 1654; HRS-16; HRS 1654; HRS 16A; HSDB 1557; NSC 26106; NSC 41880; Pentac; Pentac (50WP); Pentac SP; Pentac WP; Perchloro-1,1'-bicyclopenta-2,4-diene. Acaricide used to control mites on ornamental plants. Solid; mp = 121-122°; λ_m = 330 nm (ε 2950). *Hooker Chem.*

1235 Diethanolamine

111-42-2 3134 GH



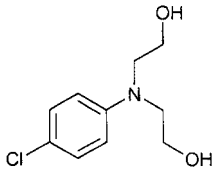
$C_4H_{11}NO_2$

2,2'-Dihydroxydiethylamine.

4-04-00-01514 (Beilstein Handbook Reference); AI3-15335; Bis(2-hydroxyethyl)amine; BRN 0605315; CCRIS 5906; Dabco DEOA-LF; DEA; Di(β-hydroxyethyl)amine; Di(2-hydroxyethyl)amine; Diaethanolamin; Diäthanol-amin; Diethanolamin; Diethanolamine; Diethylolamine; 2,2'-Dihydroxydiethylamine; Diolamine; EINECS 203-868-0; Ethanol, 2,2'-iminobis-; Ethanol, 2,2'-iminodi-; HSDB 924; Iminodiethanol; N,N'-Iminodiethanol; NCI-C55174; Niax DEOA-LF; NSC 4959. Used in gas scrubbing; as a rubber chemicals intermediate; in the manufacture of surfactants for textiles, herbicides, petroleum demulsifier; emulsifier and dispersant in agriculture, cosmetics, pharmaceuticals, textile lubricants, humectant, softening agents, in organic synthesis. Solid; mp = 28°; bp = 268.8°; d^{20} = 1.0966; slightly soluble in Et_2O, C_6H_6, very soluble in H_2O, EtOH; LD_{50} (rat orl) = 12.76 g/kg. *Degussa-Hüls Corp.*

1236 Diethanolchloroanilide

92-00-2 H



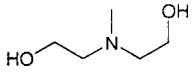
$C_{10}H_{14}ClNO_2$

Ethanol, 2,2'-[(3-chlorophenyl)imino]bis-.

4-12-00-01141 (Beilstein Handbook Reference); AI3-12121; Aniline, m-chloro-N,N-bis(2-hydroxyethyl)-; BRN 2806249; m-Chloro-N,N-bis(2-hydroxyethyl)aniline; Di-ethanolaminochlorobenzene; Diethanolchloroanilide; N,N-Diethanolanilide, 3-chloro-; N,N-Dihydroxyethyl-3-chloroaniline; EINECS 202-115-3; Emery 5715; Emery 5717; Ethanol, 2,2'-((3-chlorophenyl)imino)bis-; NSC 58170.

1237 Diethanolmethylamine

105-59-9 H



$C_5H_{13}NO_2$

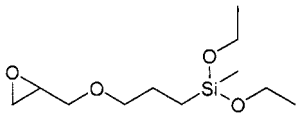
Bis(2-hydroxyethyl)methylamin.

4-04-00-01517 (Beilstein Handbook Reference); Bis(2-hydroxyethyl)methylamine; BRN 1734441; CCRIS 4843; Diethanolmethylamine; EINECS 203-312-7; Ethanol, 2,2'-(methylimino)bis-; MDEA; Methyl diethanolamine;

Methyldiethanolamine; Methyliminodiethanol; NSC 11690; USAF DO-52. Liquid; mp = -21°; bp = 247°; d^{25} = 1.038; very soluble in H_2O.

1238 Diethoxy(3-(glycidyloxy)propyl)methyl silane;

2897-60-1 G



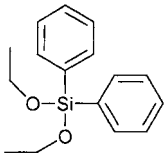
$C_{11}H_{24}O_4Si$

(3-Glycidoxypropyl)-methyl-diethoxysilane.

CG6710; EINECS 220-780-8; (3-(2,3-Epoxypropoxy)-propyl)diethoxymethylsilane; (γ-Glycidoxypropyl)methyl-diethoxysilane; GP-137; 3-(Methyldiethoxysilyl)propyl glycidyl ether; NSC 252159; Silane, (3-(2,3-epoxy-propoxy)propyl)diethoxymethyl-; Silane, diethoxymethyl-(3-(oxiranylmethoxy)propyl)-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used as a coupling agent between inorganic fillers and epoxy, melamine, phenolic and urethane resins, PS, acrylic sealants, butyl rubber. *Degussa-Hüls Corp.; Genesee Polymers.*

1239 Diethoxydiphenylsilane

2553-19-7 G



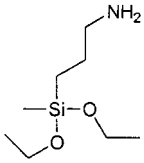
$C_{16}H_{20}O_2Si$

Diphenyldiethoxy silane.

CD6000; Diphenyldiethoxysilane; EINECS 219-860-5; NSC 77127; Silane, diethoxydiphenyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 302°; bp_{15} = 167°; d^{20} = 1.0329; λ_m = 254, 259, 265, 272 nm (ε = 363, 513, 562, 407, EtOH). *Degussa-Hüls Corp.*

1240 3-(Diethoxymethylsilyl)propylamine

3179-76-8 G



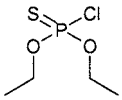
$C_8H_{21}NO_2Si$

3-Aminopropylmethyldiethoxy silane.

4-04-00-04201 (Beilstein Handbook Reference); (3-Aminopropyl)diethoxymethylsilane; BRN 1744264; CA0742; Dynasylan 1505; Dynasylan 1506; EINECS 221-660-8; σ-Aminopropylmethyldiethoxysilane; KBE 902; 1-Propanamine, 3-(diethoxymethylsilyl)-; Propylamine, 3-(diethoxymethylsilyl)-; Silane, (3-aminopropyl)diethoxy-methyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

1241 Diethoxythiophosphoryl chloride

2524-04-1 H



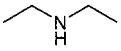
$C_4H_{10}ClO_2PS$

Diethyl chlorothiophosphate.

4-01-00-01352 (Beilstein Handbook Reference); BRN 0471434; Diethoxythiophosphoryl chloride; O,O-Diethyl chloridophosphorothioate; O,O-Diethyl chloridothiono-phosphate; Diethyl chlorothiophosphate; Diethyl phosphorochloridothioate; Diethyl phosphorochloro-thioate; Diethyl phosphorothiochloridate; Diethyl-chlorthiofosfat; Diethylthiophosphoryl chloride; EINECS 219-755-4; Ethyl PCT; HSDB 2627; NSC 43776; Phosphorochloridothioic acid, O,O-diethyl ester; UN2751. Liquid; bp_3 = 45°; soluble in CCl_4.

1242 Diethylamine

109-89-7 3138 G H



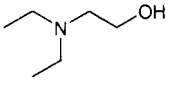
$C_4H_{11}N$

N,N-Diethylamine.

AI3-24215; CCRIS 4792; DEA; Diaethylamin; Diäthylamin; Diethamine; Diethylamine; Dietilamina; Dwuetyloamina; EINECS 203-716-3; Ethanamine, N-ethyl-; N-Ethylethanamine; HSDB 524; N,N-Diethylamine; UN1154. Used in rubber chemicals, textile specialties, selective solvent, dyes, flotation agents, resins, pesticides, polymerization inhibitor, pharmaceuticals, petroleum chemicals, electroplating, corrosion inhibitors. Liquid; mp = -49.8°; bp = 55.5°; d^{20} = 0.7056; λ_m = 194, 222 nm (ε = 2951, 295, gas); soluble in Et_2O, CCl_4, very soluble in H_2O, freely soluble in EtOH; LD_{50} (rat orl) = 540 mg/kg. *Air Products & Chemicals Inc.; Allchem Ind.; BASF Corp.; Elf Atochem N. Am.; Union Carbide Corp.*

1243 2-Diethylaminoethanol

100-37-8 3139 G H



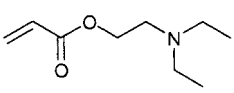
$C_6H_{15}NO$

Ethanol, 2-(diethylamino)-.

AI3-16309; CCRIS 4793; DEAE; Diaethylaminoaethanol; Diäthylaminoaethanol; Diethyl(2-hydroxyethyl)amine; Diethylamino ethanol; Diethylaminoethanol; N-Diethyl-aminoethanol; Diethylethanolamine; Diethylmono-ethanolamine; EINECS 202-845-2; Ethanol, 2-(diethylamino)-; HSDB 329; NSC 8759; Pennad 150; UN2686. Used in making pharmaceuticals, pesticides, and other chemicals. Hygroscopic liquid; mp = -70°; bp = 163°; d^{20} = 0.8921; freely soluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, petroleum ether, slightly soluble in CCl_4; LD_{50} (rat orl) = 1100 mg/kg.

1244 Diethylaminoethyl acrylate

2426-54-2 G



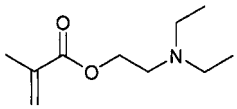
$C_9H_{17}O_2N$

2-Propenoic acid, 2-(diethylamino)ethyl ester.

4-04-00-01477 (Beilstein Handbook Reference); Acrylic acid, 2-(diethylamino)ethyl ester; Acrylic acid, N,N-diethylaminoethyl ester; Ageflex FA-2; AI3-03840; BRN 1099061; Diethylaminoethyl acrylate; 2-(Diethyl-amino)ethyl acrylate; N,N-Diethylaminoethyl acrylate; 2-Diethylaminoethylester kyseliny akrylove; EINECS 219-378-5; HSDB 5460; NSC 3118. Used in industrial and automotive coatings, electronic photo resists, dye additives, lube oil additives; intermediate for water treatment chemicals, silane coupling agents, conductive paper coatings; retention aids for paper manufacturing; flocculant and coagulant. Liquid; mp < -60°; bp_{10} = 81°; d^{20} = 0.937; corrosive; severe eye and skin irritant; harmful if swallowed or inhalated. *Rit-Chem.* -

1245 Diethylaminoethyl methacrylate

105-16-8 H



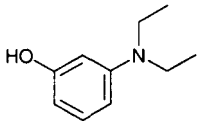
$C_{10}H_{19}NO_2$

2-(N,N-Diethylamino)ethyl methacrylate.

4-04-00-01477 (Beilstein Handbook Reference); BRN 1761794; Daktose B; Diethylaminoethyl methacrylate; EINECS 203-275-7; Ethanol, 2-(diethylamino)-, methacrylate (ester); HSDB 5365; Methacrylic acid, 2-(diethylamino)ethyl ester; N,N-Diethylaminoethyl methacrylate; NSC 14490.

1246 N,N-Diethyl-m-aminophenol

91-68-9 H



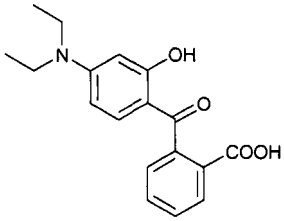
$C_{10}H_{15}NO$

Phenol, 3-(diethylamino)-.

4-13-00-00969 (Beilstein Handbook Reference); AI3-14895; BRN 0908212; CCRIS 4615; m-(Diethylamino)phenol; N,N-Diethyl-3-hydroxyaniline; N,N-Diethyl-3-aminophenol; EINECS 202-090-9; NSC 93934; Phenol, 3-(diethylamino)-; Phenol, m-(diethylamino)-. Intermediate in manufacture of dyestuffs. Crystals; mp = 78°; bp = 276°; bp^{15} = 17-°; λ_m = 209, 259, 299 nm (ε = 23800, 13400, 3080, MeOH); soluble in H_2O, EtOH, Et_2O, CS_2.

1247 o-(4-(Diethylamino)salicyloyl)benzoic acid

5809-23-4 H



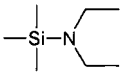
$C_{18}H_{19}NO_4$

Benzoic acid, 2-(4-(diethylamino)-2-hydroxybenzoyl)-.

Benzoic acid, 2-(4-(diethylamino)-2-hydroxybenzoyl)-; 2-(4-(Diethylamino)-2-hydroxybenzoyl)benzoic acid; o-(4-(Diethylamino)salicyloyl)benzoic acid; EINECS 227-370-8.

1248 (Diethylamino)trimethylsilane

996-50-9 G



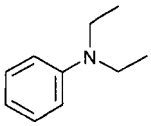
$C_7H_{19}NSi$

N,N-Diethylaminotrimethyl silane.

CD4450; N,N-Diethyl-1,1,1-trimethylsilylamine; EINECS 213-637-6; NSC 377650; Silanamine, N,N-diethyl-1,1,1-trimethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 125-126°; d ■ 0.7670; n_D^{20} = 1.4081. *Degussa-Hüls Corp.*

1249 N,N-Diethylaniline

91-66-7 3140 H



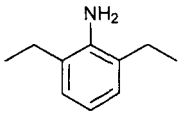
$C_{10}H_{15}N$

Benzenamine, N,N-diethyl-.

AI3-52227; Aniline, N,N-diethyl-; Benzenamine, N,N-diethyl-; CCRIS 2847; DEA; Diaethylanilin; Diäthylanilin; Diethylaniline; N,N-Diethylaniline; N,N-Diethylbenzen-amine; Diethylphenylamine; EINECS 202-088-8; HSDB 1639; NSC 7205; Phenyldiethylamine; UN2432. Used in chemical manufacturing and as an intermediate in the dyestuffs industry. Yellow oil; mp = -38.8°; bp = 216.3°; d^{20} = 0.9307; λ_m = 260, 304 nm (ε = 1390, 195, MeOH); poorly soluble in H_2O (1.43 g/100 ml), soluble in EtOH, Et_2O, Me_2CO, CCl_4, $CHCl_3$. *Baiye; Buffalo Color Corp.; Callery Chem. Co. UK; Callery Chem. Co.; Kunshan Chemical Material Co. Ltd.*

1250 2,6-Diethylaniline

579-66-8 H



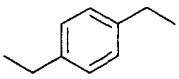
$C_{10}H_{15}N$

2,6-Diethylbenzenamine.

4-12-00-02841 (Beilstein Handbook Reference); AI3-26297; Aniline, 2,6-diethyl-; Benzamine, 2,6-diethyl-; Benzenamine, 2,6-diethyl-; BRN 1423626; CCRIS 2688; 2,6-Diethylaniline; 2,6-Diethylbenzenamine; EINECS 209-445-7; HSDB 5699. Liquid; mp = 1.5°; bp = 243°; d^{25} = 0.906.

1251 Diethylbenzene

25340-17-4 H



$C_{10}H_{14}$

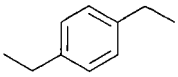
Diethylbenzenes (mixed isomers).

4-05-00-01067 (Beilstein Handbook Reference); AI3-15336; Benzene, diethyl-; BRN 1903396; Diethyl-benzene; Diethylbenzenes

(mixed isomer); Diethyl-benzol; EINECS 246-874-9; NSC 405068; UN2049.

1252 p-Diethylbenzene

105-05-5 H



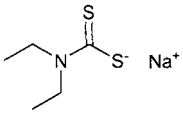
$C_{10}H_{14}$

1,4-Diethylbenzene.

Benzene, 1,4-diethyl-; Benzene, p-diethyl-; EINECS 203-265-2; HSDB 4083; 1,4-Diethylbenzene; p-Diethylbenzene; p-Ethylethylbenzene. Liquid; mp = -42.8°; bp = 183.7°; d^{20} = 0.8620; λ_m = 218, 259, 264, 267, 273 nm (ε = 7980, 418, 503, 481, 513, MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O, C_6H_6, Me_2CO, CCl_4, ligroin.

1253 Diethyldithiocarbamate sodium

148-18-5 3414 G



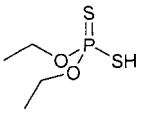
$C_5H_{10}NNaS_2$

Sodium diethyldithiocarbamate.

AI3-14688; Carbamic acid, diethyldithio-, sodium salt; Carbamodithioic acid, diethyl-, sodium salt; CCRIS 235; Cupral; DDTC; DEDC; DeDTC; Diethylcarbamodithioic acid, sodium salt; Diethyldithiocarbamate sodium; Diethyldithiocarbamic acid, sodium; N,N-Diethyl-dithiocarbamic acid, sodium salt; Diethyl sodium dithiocarbamate; Dithiocarb; Ditiocarb sodium; Ditiocarbe sodique; Ditiocarbo sodico; Ditiocarbum natricum; DRG-0066; DTC; EINECS 205-710-6; GS 694A; HSDB 4091; Imuthiol; Kupral; Na-ddtc; NCI CO2835; Nocceler SDC; NSC 38583; Octopol SDE-25; Sodium DEDT; Sodium diethylaminocarbodithioate; Sodium diethylcarbamodithioate; Sodium diethyldithio-carbamate; Sodium N,N-diethyldithiocarbamate; Sodium salt of N,N-diethyldithiocarbamic acid; Soxinol ESL; Thiocarb; USAF EK-2596; Diethyldithiocarbamic acid sodium salt; sodium salt of N,N-diethyldithiocarbamic acid; dithiocarbamate sodium; DEDK; sodium dedt; cupral; Sodium N,N-diethyldithiocarbamate trihydrate. Natural rubber latex preservative; precipitant for heavy metals in waste water treatment. Crystals; mp = 94-102°; soluble in H_2O, polar organic solvents; λ_m = 257, 290 nm (ε 1200, 13000 EtOH); LD_{50} (rat orl) = 2830 mg/kg. *Titarco Chemical.*

1254 Diethyl dithiophosphate

298-06-6 G H



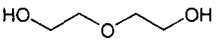
$C_4H_{11}O_2PS_2$

Dithiophosphoric acid, O,O-diethyl ester.

4-01-00-01354 (Beilstein Handbook Reference); BRN 0507407; Di-O-ethyl dithiophosphate; Diethyl dithiophosphate; Diethyl phosphorodithioate; Dithiophosphoric acid, O,O-diethyl ester; EINECS 206-055-9; EP-1; HSDB 5558; Kyselina O,O-diethyldithiofosforecna; NSC 171184; Phosphorodithioic acid, O,O-diethyl ester. Used as an intermediate in manufacture of organophosphorus insecticides. *A/S Cheminova.*

1255 Diethylene glycol

111-46-6 3146 G H



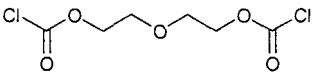
$C_4H_{10}O_3$

Bis(β-hydroxyethyl) ether.

4-01-00-02390 (Beilstein Handbook Reference); AI3-08416; Bis(β-hydroxyethyl) ether; Bis(2-hydroxyethyl) ether; Brecolane ndg; BRN 0969209; Caswell No. 338A; CCRIS 2193; Deactivator E; DEG; D.E.H. 52; D.E.H. 20; Dicol; Diethylene glycol; Diethylenglykol; Digenos; Diglycol; Digol; Dihydroxydiethyl ether; Dissolvant APV; EINECS 203-872-2; EPA Pesticide Chemical Code 338200; Ethanol, 2,2'-oxybis-; Ethylene diglycol; Glycol ether; Glycol ethyl ether; HSDB 69; NSC 36391; TL4N. Used in the production of polyurethane and unsaturated polyester resins, triethylene glycol; textile softener; solvent for nitrocellulose, dyes and oils; dehydration of natural gas, elasticizers, and surfactants; humectant for tobacco, casein, and synthetic sponges. Liquid; mp = -10.4°; bp = 245.8°; d^{15} = 1.1197; soluble in H_2O, EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 20.76 g/kg. *BASF Corp.; BP Chem.; DuPont; Eastman Chem. Co.; Hoechst Celanese; Mitsui Petroleum; Olin Corp; OxyChem; Shell; Texaco; Union Carbide Corp.*

1256 Diethylene glycol chloroformate

106-75-2 H



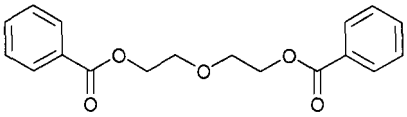
$C_6H_8Cl_2O_5$

Formic acid, chloro-, diester with diethylene glycol.

4-03-00-00029 (Beilstein Handbook Reference); AI3-26267; BRN 1812829; Carbonochloridic acid, oxydi-2,1-ethanediyl ester; Diethylene glycol, bischloroformate; Diethylene glycol chloroformate; Diglycol chlorformate; Diglycol chloroformate; EINECS 203-430-9; Formic acid, chloro-, diester with diethylene glycol (6Cl); Formic acid, chloro-, oxydiethylene ester; HSDB 5374; NSC 2346; Oxydiethylene bis(chloroformate); Oxydiethylene chloro-formate; Oxydiethylenebis(chloroformate).

1257 Diethylene glycol dibenzoate

120-55-8 G H



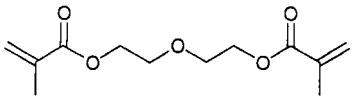
$C_{18}H_{18}O_5$

Benzoyloxyethoxyethyl benzoate.

4-09-00-00356 (Beilstein Handbook Reference); AI3-02293; Benzo Flex 2-45; Benzoyloxyethoxyethyl benzoate; BRN 2509507; Dibenzoyldiethyleneglycol ester; Diethylene glycol dibenzoate; EINECS 204-407-6; HSDB 5587; Polyethylene glycol 100 dibenzoate; Polyoxyethylene (2) dibenzoate. A chemical intermediate. Solid; mp = 33.5°; bp_{24} = 280°, bp_1 = 250°; d^{15} = 1.1690; very soluble in H_2O, EtOH.

1258 Diethylene glycol dimethacrylate

2358-84-1 G



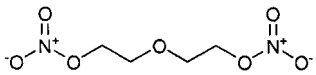
$C_{12}H_{18}O_5$

3-Oxapentane-1,5-diyl dimethacrylate.

Ageflex DEGDMA; CCRIS 7050; DGM 2; Diethylene glycol bis(methacrylate); Diethylene glycol di-methacrylate; EINECS 219-099-9; HSDB 5458; Meth-acrylic acid, oxydiethylene ester; MFM-418; Oxydi-2,1-ethanediyl bismethacrylate; Oxydiethylene methacrylate; 2-Propenoic acid, 2-methyl-, oxydi-2,1-ethanediyl ester; TGM 2. Crosslinker for rubber vulcanization, moisture barrier films and coatings, photopolymer printing plates and letterpress inks, conversion coatings and adhesives. Liquid; bp > 200°, bp_8 = 150°, bp_2 = 134°; d = 1.082. *Monomer-Polymer & Dajac; Polysciences; Rit-Chem; Rohm Tech.; Sartomer; Sigma-Aldrich Fine Chem.*

1259 Diethylene glycol dinitrate

693-21-0 H



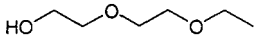
$C_4H_8N_2O_7$

Ethanol, 2,2'-oxybisdinitrate.

4-01-00-02412 (Beilstein Handbook Reference); Bis(hydroxyäthyl)-äther-dinitrat; BRN 1791998; CCRIS 3415; Di(hydroxyethyl) ether dinitrate; Diethylene glycol dinitrate; Diethylenglykoldinitrate; Diglycol (dinitrate de); Diglycoldinitraat; Diglykoldinitrat; Dinitrate de diethylene-glycol; Dinitrodiglicol; EINECS 211-745-8; Ethanol, 2,2'-oxybis-, dinitrate; Ethanol, 2,2'-oxybis-dinitrate; Oxydiethylene dinitrate; UN0075.

1260 Diethylene glycol ethyl ether

111-90-0 1809 G H



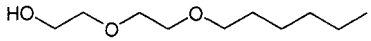
$C_6H_{14}O_3$

2-(2-Ethoxyethoxy) ethanol.

4-01-00-02393 (Beilstein Handbook Reference); Aethyldiaethylenglycol; Äthyldiäthylenglycol; AI3-01740; BRN 1736441; Carbitol®; Carbitol cellosolve; Carbitol solvent; DEGMEE; Diethoxol; Diethylene glycol ethyl ether; Diglycol monoethyl ether; Dioxitol; Dowanol 17; Dowanol DE; EINECS 203-919-7; Ektasolve® DE; Ethanol, 2-(2-ethoxyethoxy)-; Ethoxy diglycol; 2-(2-Ethoxyethoxy) ethanol; Ethyl carbitol; Ethyl diethylene glycol; Ethyl digol; Ethyl di-Icinol; Ethylene diglycol monoethyl ether; HSDB 51; Karbitol; Losungsmittel APV; NSC 408451; PM 1799; Poly-Solv DE; Solvolsol; Transcutol; Transcutol P. A solvent for cellulose nitrate, shellac, copal, rosin; used in dopes for artificial leather and is added to brushing lacquers. Used in protective coatings, inks, cleaning products, agricultural chemicals; aids wetting, penetration, and soil removal; coupling solvent. Solvent used for active ingredients in pharmaceutical preparations; co-surfactant for microemulsions. Liquid; bp = 196°; d^{20} = 0.9885; freely soluble in H_2O, EtOH, Me_2CO, C_6H_6, very soluble in Et_2O; LD_{50} (rat orl) ▫ 11 g/kg. *Allchem Ind.; Ashland; Eastman Chem. Co.; Fluka; Gattefosse SA; Great Western; ICI Chem. & Polymers Ltd.; ICI Surfactants; Occidental Chem. Corp.; Oxiteno; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Union Carbide Corp.*

1261 Diethylene glycol hexyl ether

112-59-4 H



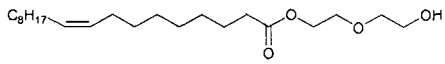
$C_{10}H_{22}O_3$

Ethanol, 2-(2-(2-hexyloxy)ethoxy)-.

4-01-00-02396 (Beilstein Handbook Reference); AI3-00301; BRN 1743959; Diethylene glycol hexyl ether; Diethylene glycol n-hexyl ether; EINECS 203-988-3; Ethanol, 2-((2-hexyloxy)ethoxy)-; Hexol carbitol; Hexylkarbitol; HSDB 5571; NSC 403666.

1262 Diethylene glycol monooleate

106-12-7 G



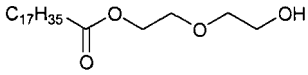
$C_{22}H_{42}O_4$

2-(2-Hydroxyethoxy)ethyl oleate.

AI3-00971; Diethylene glycol monooleate; EINECS 203-364-0; 9-Octadecenoic acid (9Z)-, 2-(2-hydroxy-ethoxy)ethyl ester; 9-Octadecenoic acid, 2-(2-hydroxy-ethoxy)ethyl ester; PEG-2 Oleate; Polyethylene glycol 100 monooleate; Polyoxyethylene (2) monooleate. Emulsifier, dispersant, antistat for cosmetic, textile, paper processing, cutting oils, polishes, emulsion cleaners, rubber latex, wool lubricants; leather softener. *Henkel/Emery.*

1263 Diethylene glycol stearate

106-11-6 G



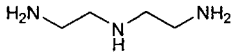
$C_{22}H_{44}O_4$

2-(2-Hydroxyethoxy)ethyl stearate.

4-02-00-01222 (Beilstein Handbook Reference); AI3-00977; Aqua Cera; Atlas G 2146; BRN 1800568; Cerasynt; Cerasynt special; Clindrol SDG; Diethylene glycol, monoester with stearic acid; Diethylene glycol monostearate; Diethylene glycol sesquistearate; Diethylene glycol stearate; Diglycol monostearate; Diglycol stearate; EINECS 203-363-5; Emcol CAD; Emcol DS-50 CAD; Emcol ETS; Glyco stearin; Nonex 411; NSC 404230; Octadecanoic acid, 2-(2-hydroxyethoxy)ethyl ester; PEG-2 Stearate; Polyethylene glycol 100 monostearate; Polyoxyethylene (2) monostearate; Promul 5080; Stearic acid, 2-(2-hydroxyethoxy)ethyl ester; USAF KE-8. Emulsifier, plasticizer, lubricant, wetting agent, binding and thickening agent, dispersant, antistat, opacifier, pearlescent, stabilizer used in cosmetics, dry cleaning, leather, textile industries, paper processing, rubber. *Henkel/Emery.*

1264 Diethylenetriamine

111-40-0 G H



$C_4H_{13}N_3$

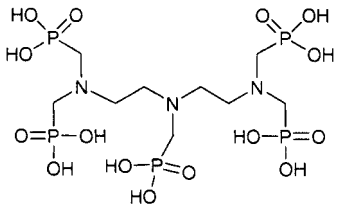
Bis(β-aminoethyl)amine.

4-04-00-01238 (Beilstein Handbook Reference); Aminoethylethandiamine; N-(2-Aminoethyl)-1,2-ethane-diamine; Ancamine DETA; Barsamide 115; Bis(β-aminoethyl)amine; Bis(2-aminoethyl)amine; N,N-Bis(2-aminoethyl)amine; BRN 0605314; CCRIS 4794; ChS-P 1; DEH 20; Diethylamine, 2,2'-diamino-; Diethylene triamine; Diethylenetriamine; EINECS 203-865-4; Epicure T; Epon 3223; Ethylamine, 2,2'-iminobis-; H 9506; HSDB 525; Imino-bis-ethylamine; NSC 446; UN2079. A general purpose aliphatic polyamine curing agent used with epoxy resins, for civil engineering, adhesives, grouts, casting and electric encapsulation. Also used as a solvent for sulfur, acid gases, various resins, dyes; saponification

agent for acidic materials; fuel component. Liquid; mp = -39°; bp = 207°; d^{20} = 0.9569; slightly soluble in Et_2O, soluble in ligroin; freely soluble in EtOH, H_2O; LD_{50} (rat orl) = 1080 mg/kg. *Allchem Ind.; Dow Chem. U.S.A.; Janssen Chimica; Tosoh; Union Carbide Corp.*

1265 Diethylenetriamine, pentamethylenepentaphosphonic acid

15827-60-8 H



$C_9H_{28}N_3O_{15}P_5$

Diethylenetriaminepenta(methylenephosphonic) acid.

Diethylenetriamine, pentamethylenepentaphosphonic acid; Diethylenetriaminepenta(methylenephosphonic) acid; EINECS 239-931-4; Phosphonic acid, (((phosphono-methyl)imino)bis(2,1-ethanediylnitrilobis-(methylene)))tetrakis-; (((Phosphonomethyl)imino)bis-(ethane-2,1-diylnitrilobis(methylene)))tetrakisphosphonic acid.

1266 Diethylenetriamine, tall oil fatty acids reaction product

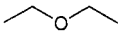
61790-69-0 H

Tall oil fatty acids, reaction product with diethylene-triamine.

Diethylenetriamine, tall oil fatty acids reaction product; EINECS 263-160-2; Fatty acids, tall-oil, reaction products with diethylenetriamine; Tall oil fatty acids, reaction product with diethylenetriamine.

1267 Diethyl ether

60-29-7 3840 D G H V



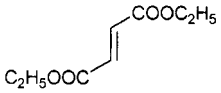
$C_4H_{10}O$

Ethane, 1,1'-oxybis-.

Aether; Äther; AI3-24233; Anaesthetic ether; Anesthesia ether; Anesthetic ether; Diaethylaether; Diäthyläther; Diethyl ether; Diethyl oxide; Dwuetylowy eter; EINECS 200-467-2; Etere etilico; Ethane, 1,1'-oxybis-; Ether; Ether, ethyl; Ether ethylique; Ethoxyethane; Ethyl ether; Ethyl oxide; HSDB 70; NSC 100036; Oxyde d'ethyle; Pronarcol; RCRA waste number U117; Solvent ether; UN1155. Used in organic synthesis and in smokeless powders; as an industrial solvent; in analytical chemistry; as an extractant. Used as an inhalation anesthetic and, in veterinary medicine as a stimulant and to treat colic. Clear mobile liquid; mp = -116°; bp = 34.5°; d^{20} = 0.7138; slightly soluble in H_2O, very soluble in organic solvents. *ExxonMobil Chem. Co.; Hüls Am.; Lancaster Synthesis Co.; Mallinckrodt Inc.; Quantum/USI; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1268 Diethyl fumarate

623-91-6 H



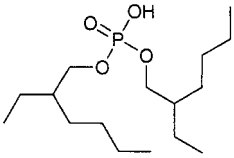
$C_8H_{12}O_4$

2-Butenedioic acid (E)-, diethyl ester.

4-02-00-02207 (Beilstein Handbook Reference); AI3-05613; Anti-Psoriaticum; BRN 0775347; 2-Butenedioic acid (E)-, diethyl ester; 2-Butenedioic acid (2E)-, diethyl ester; 2-Butenedioic acid, diethyl ester, (E)-; trans-2-Butenedioic acid diethyl ester; Diethyl fumarate; Diethylester kyseliny fumarove; EINECS 210-819-7; Fumaric acid, diethyl ester; HSDB 5722; NSC 20954. Liquid; mp = 0.8°; bp = 214°; d^{20} = 1.0452; λ_m = 213 nm (MeOH); insoluble in H_2O, soluble in Me_2CO, $CHCl_3$.

1269 Di(2-ethylhexyl)phosphate

298-07-7 H



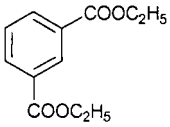
$C_{16}H_{35}O_4P$

Phosphoric acid, bis(2-ethylhexyl) ester.

4-01-00-01786 (Beilstein Handbook Reference); AI3-23072; Bis(2-ethylhexyl) hydrogen phosphate; Bis(2-ethylhexyl) phosphate; BRN 1712988; D 2EHPA; Dehpa extractant; EINECS 206-056-4; Escaid 100; Hdehp; HSDB 341; Hydrogen bis(2-ethylhexyl) phosphate; Kyselina di-(2-ethylhexyl)fosforecna; Phosphoric acid, bis(2-ethyl-hexyl) ester.

1270 Diethyl isophthalate

636-53-3 H



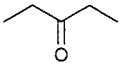
$C_{12}H_{14}O_4$

1,3-Benzenedicarboxylic acid, diethyl ester.

4-09-00-03294 (Beilstein Handbook Reference); 1,3-Benzenedicarboxylic acid, diethyl ester; BRN 2052705; Diethyl isophthalate; EINECS 211-260-1; HSDB 5732; Isophthalic acid, diethyl ester; NSC 249815. Liquid; mp = 11.5°; bp = 302°; d^{17} = 1.1239; λ_m= 225, 274 nm (ε = 8310, 1270, MeOH); insoluble in H_2O, soluble in Me_2CO, C_6H_6, CCl_4, freely soluble in EtOH, Et_2O.

1271 Diethyl ketone

96-22-0 3148 G H



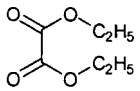
$C_5H_{10}O$

3-Pentanone.

AI3-24337; DEK; Diethyl ketone; Diethylcetone; Dimethylacetone; EINECS 202-490-3; Ethyl ketone; Ethyl propionyl; HSDB 5301; Metacetone; Methacetone; NSC 8653; Pentanone-3; Propione; UN1156. Used in pharmaceutical and chemical manufacturing. Clear mobile liquid; mp = -39°; bp = 101.9°; soluble in H_2O (4 g/100 ml), EtOH, Et_2O, CCl_4; LD_{50} (rat orl) = 2100 mg/kg. *BASF Corp.; Janssen Chimica; Penta Mfg.; Union Carbide Corp.*

1272 Diethyl oxalate

95-92-1 3152 G



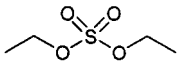
$C_6H_{10}O_4$

Ethyl oxalate.

4-02-00-01848 (Beilstein Handbook Reference); BRN 0606350; Diethyl ethanedioate; Diethylester kyseliny stavelove; EINECS 202-464-1; Ethanedioic acid, diethyl ester; Ethyl oxalate; HSDB 2131; NSC 8851; Oxalic acid, diethyl ester; Oxalic ether; UN2525. Used as a solvent and intermediate in manufacture of chemicals and pharmaceuticals. Liquid; mp = -40.6°; bp = 185.7°; d^{20} = 1.0785; poorly soluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, CCl_4.

1273 Diethyl sulfate

64-67-5 3156 H



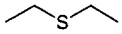
$C_4H_{10}O_4S$

Sulfuric acid, diethyl ester.

AI3-15355; CCRIS 242; DES; Diaethylsulfat; Diäthylsulfat; Diethyl sulfate; Diethyl sulphate; Diethyl tetraoxosulfate; Diethylester kyseliny sirove; Diethylsulfate; EINECS 200-589-6; Ethyl sulfate; HSDB 1636; NSC 56380; Sulfuric acid, diethyl ester; UN1594. Used as an ethylating agent and a sulfonation catalyst and as an accelerator in sulfation of ethylene. Liquid; mp = -24°; bp = 208°; d^{25} = 1.172; slightly soluble in H_2O, very soluble in organic solvents. *Sigma-Aldrich Fine Chem.*

1274 Diethyl sulfide

352-93-2 3885 P



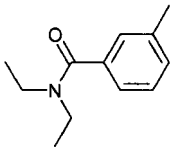
$C_4H_{10}S$

Diethyl thioether.

AI3-18785; Bear skunker; Diethyl sulfide; Diethyl sulphide; Diethylsulfid; Diethylthioether; EINECS 206-526-9; Ethyl monosulfide; Ethyl sulfide; Ethyl Thioether; Ethylthioethane; HSDB 5563; NSC 75157; Sulfodor; Thioethyl ether; UN2375. Used as a bear and animal repellent. Registered by EPA as an animal repellent (cancelled). Liquid; mp = -103.9°; bp = 92.1°; d^{20} = 0.8362; λ_m = 194, 215 nm (ε = 4786, 1585, C_7H_{16}); slightly soluble in H_2O, CCl_4, soluble in EtOH, Et_2O. *Fluka.*

1275 Diethyl toluamide

134-62-3 2876 G H P



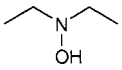
$C_{12}H_{17}NO$

N,N-Diethyl-3-methylbenzamide.

4-09-00-01716 (Beilstein Handbook Reference); AI 3-22542; Amincene C 140; Amincene C-EM; Autan; Benzamide, N,N-diethyl-3-methyl-; Bepper DET; BRN 2046711; Caswell No. 346; CCRIS 6018; Deet; Delphene; DET (insect repellant); DETA; DETA-20; Detamide; Dieltamid; Diethyl-m-toluamide; Diethyl toluamide; Diethyltoluamidum; Dietiltoluamida; EINECS 205-149-7; ENT 20,218; ENT 22,542; EPA Pesticide Chemical Code 080301; Flypel; FlypelHSDB 1582; HSDB 1582; M-Det; Metadelphene; MGK; MGK diethyltoluamide; Muscol; Naugatuck DET; NSC 33840; Off; Repel; Repper DET; Repudin-Special. Insect repellant, resin solvent, film formers. Registered by EPA as an insecticide. Liquid; bp_{19} = 160°; bp_1 = 111°; d_4^{20} = 0.996; very soluble in H_2O, EtOH, Et_2O, sparingly soluble in petroleum ether; LD_{50} (rat orl) = 2000 mg/kg. *Chase Products Co.; DuPont; Honeywell & Stein; Morflex; S.C. Johnson & Son, Co; Spectrum Chem. Manufacturing; WPC Brands Inc.*

1276 Diethylhydroxylamine

3710-84-7 G H



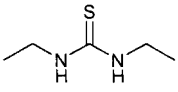
$C_4H_{11}NO$

N,N-Diethylhydroxylamine.

4-04-00-03304 (Beilstein Handbook Reference); AI3-28026; BRN 1731349; CCRIS 964; Diethylhydroxyl-amine; N,N-Diethylhydroxyamine; EINECS 223-055-4; Ethanamine, N-ethyl-N-hydroxy-; Hydroxylamine, N,N-diethyl-; N-Hydroxydiethylamine; Pennstop® 1866. Free radical scavenger used by the rubber industry as an emulsion polymerization inhibitor; vapor phase inhibitor for olefin or styrene monomer recovery systems; in-process inhibitor for production of styrene, divinyl benzene, butadiene and isoprene. Liquid; mp = 10°; bp = 133°; d^{20} = 0.8669. *Elf Atochem N. Am.*

1277 Diethylthiourea

105-55-5 G



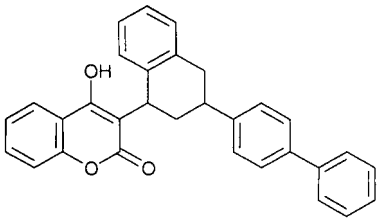
$C_5H_{12}N_2S$

1,3-Diethylthiourea.

4-04-00-00375 (Beilstein Handbook Reference); AI3-14636; BRN 0773905; CCRIS 243; N,N'-Diethyl-thiocarbamide; 1,3-Diethylthiourea; 1,3-Diethyl-2-thiourea; N,N'-Diethylthiourea; N,N-Diethyl-2-thiourea; EINECS 203-308-5; HSDB 4106; NCI-C03816; NSC 3507; Pennzone E; Thiate H; Thiourea, N,N'-diethyl-; U 15030; Urea, 1,3-diethyl-2-thio-; USAF EK-1803. Accelerator for mercaptan-modified chloroprene rubber. Antidegradant for natural, nitrile-butadiene, styrene-butadiene, and chloroprene rubbers. Crystals; mp = 78°; bp dec.; λ_m = 234, 265 nm (ε = 6310, 7244, MeOH); slightly soluble in CCl_4, soluble in H_2O (0.1 - 0.5 g/100 ml), EtOH, very soluble in Et_2O; LD_{50} (rat orl) = 316 mg/kg. *Elf Atochem N. Am.*

1278 Difenacoum

56073-07-5 G P



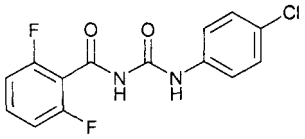
$C_{31}H_{24}O_3$

Biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxy-1(2H)-benzopyran-2-one.

2H-1-Benzopyran-2-one, 3-(3-(1,1'-biphenyl)-4-yl-1,2,3, 4-tetrahydro-1-naphthalenyl)-4-hydroxy-; 3-(3-(1,1'-Bi-phenyl)-4-yl-1,2,3,4-tetrahydro-1-naphthalenyl)-4-hydroxy-2H-1-benzopyran-2-one; 3-(3-Biphenyl-4-yl-1,2, 3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin; Coumarin, 3-(3-(4-biphenylyl)-1,2,3,4-tetrahydro-1-naph-thyl)-4-hydroxy-; Difenacoum; Difenakum; Diphena-coum; 3-(3-p-Diphenyl-1,2,3,4-tetrahydronaphth-1-yl) -4-hydroxycoumarin; EINECS 259-978-4; HSDB 6609; Neosorexa; Neosorexa PP580; Ratak; WBA 8107; Killgerm® Ratak Cut Wheat Rat Bait; Neosorexa; Ratak; Matikus; Talon. Anti-coagulant, used as a rodenticide. Difenacoum; a ready-to-use anticoagulant rodenticide. Registered by EPA as a rodenticide. Colorless crystals,; mp = 215 - 217°; slightly soluble in H_2O (< 0.001 g/100 ml at pH 7), slightly soluble in alcohols, soluble in Me_2CO (> 5 g/100 ml), $CHCl_3$ (> 5 g/100 ml), EtOAc (0.2 g/100 ml), C_6H_6 (0.006 g/100 ml); LD_{50} (rat orl) = 1.8 mg/kg, (mmus orl) = 0.8 mg/kg, (rbt orl) = 2.0 mg/kg, (fgpg orl) = 50 mg/kg, (dog orl) > 50 mg/kg, (cat orl) = 100 mg/kg, (pig orl) > 50 mg/kg, (rat der) > 50 mg/kg, (rbt der) = 1000 mg/kg, (rat orl 5 days) = 0.16 mg/kg/day, (ckn orl) > 50 mg/kg. *Ace Chemicals Ltd.; ICI Agrochemicals; ICI Chem. & Polymers Ltd.; ICI Garden Products; Killgerm Chemicals Ltd.; Lever Industrial Ltd.; Sorex Ltd.*

1279 Diflubenzuron

35367-38-5 3166 G P



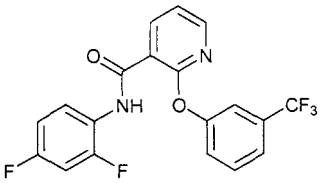
$C_{14}H_9ClF_2N_2O_2$

1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea.

AI3-29054; Astonex; Benzamide, N-(((4-chlorophenyl)-amino)carbonyl)-2,6-difluoro-; BRN 2162461; Caswell No. 346A; 1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)-urea; Dimilin; ENT-29054; Micromite; Difluron; DU 112307; Duphacid; Largon; OMS-1804; PDD 6040-I; PH-60-40; TH-6040; 1-(p-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea; Diflubenzuron; Difluron; Dimilin; Dimilin G1; Dimilin G4; Dimilin ODC-45; Dimilin WP-25; DU 112307; Duphacid; ENT 29054; EPA Pesticide Chemical Code 108201; HSDB 6611; Largon; Larvakil; Micromite; N-(((4-Chlorophenyl)amino)carbonyl)-2,6-difluorobenzamide; N-(4-Chlorophenylcarbamoyl)-2,6-difluorobenzamide; OMS 1804; PDD 6040I; PH 60-40; Philips-duphar PH 60-40; TH 6040; Thompson Hayward 6040; Urea, 1-(p-chlorophenyl)-3-(2,6-difluorobenzoyl)-. Registered by EPA as an insecticide and larvicide. Used in bait stations for below-ground termite control. Yellow-brown crystalline solid; mp = 230 - 232°, 239°; poorly soluble in H_2O (0.00002 g/100 ml at 20°), soluble in Me_2CO (0.65 g/100 ml at 20°), DMF (10.4 g/100 ml), dioxane (2 g/100 ml), moderately soluble in more polar solvents; LD_{50} (rat orl) = 10000 mg/kg, (mus orl) = 4640 mg/kg (formulation with 50% kaolin), (rbt der) > 2000 mg/kg, (mus ip) > 2150 mg/kg; LC_{50} (mallard duck, bobwhite quail 8 day dietary) > 4640 mg/kg diet, (rainbow trout 96 hr.) = 140 mg/l, (bluegill sunfish 96 hr.) = 1365 mg/l; non-toxic to bees. *Ensystex Inc.; Uniroyal.*

1280 Diflufenican

83164-33-4 3168 G P



$C_{19}H_{11}F_5N_2O_2$

N-(2,4-Difluorophenyl)-2-[3-(trifluoromethyl)phenoxy]-3-pyridinecarboxamide.

BRN 4212494; Diflufenican; Diflufenicanil; M&B 38544; N-(2,4-Difluorophenyl)-2-(3-(trifluoromethyl)phenoxy)-3-pyridinecarboxamide. Selective contact and residual herbicide, used for control of broad-leaved weeds and some grasses, particularly *Galium, Veronica and Viola* species in cereal crops. Colorless crystals; mp = 161 - 162°; poorly soluble in H_2O (0.000005 g/100 ml), soluble in Me_2CO (7.9 g/100 ml), DMF (9.4 g/100 ml), acetophenone (5.2 g/100 ml), cyclohexanone (4.7 g/100 ml), isophorone (3.2 g/100 ml), xylene (1.7 g/100 ml), cyclohexane (< 0.78 g/100 ml), kerosene (< 0.8 g/100 ml); LD_{50} (rat orl) > 2000 mg/kg, (mus orl) > 1000 mg/kg, (rbt orl) > 5000 mg/kg, (rat der) > 2000 mg/kg, (quail orl) > 2150 mg/kg, (mallard duck orl) > 4000 mg/kg; LC_{50} (rat ihl 4 hr.) > 2.34 mg/l air, (rainbow trout 96 hr.) ■ 56 - 100 mg/l, (carp 96 hr.) = 105 mg/l. *Aventis Crop Science; Rhône-Poulenc.*

1281 Difluoroethane

75-37-6 H

$C_2H_4F_2$

1,1-Difluoroethane.

4-01-00-00120 (Beilstein Handbook Reference); Algofrene type 67; BRN 1696900; Difluoroethane; Dymel 152; Dymel 152A; EINECS 200-866-1; Ethane, 1,1-difluoro-; Ethylene fluoride; Ethylidene difluoride; Ethylidene fluoride; FC 152a; Fluorocarbon 152a; Freon 152a; Genetron 100; Genetron 152a; Halocarbon 152A; HFC 152a; HSDB 5205; Hydrofluorocarbon 152a; Propellant 152a; R 152a; Refrigerant 152a. Used as a refrigerant. Gas; mp = -117°; bp = -24.9°; d^{20} ■ 0.896. 3902; *Dow Chem. U.S.A.; Fluorochem Ltd.; Molekula Fine Chemicals.*

1282 Difluoroethene

75-38-7 H

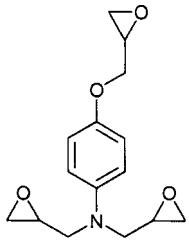
$C_2H_2F_2$

1,1-Difluoroethene.

CCRIS 6744; EINECS 200-867-7; Ethene, 1,1-difluoro-; Ethylene, 1,1-difluoro-; Genetron 1132a; Halocarbon 1132A; HSDB 5206; NCI-C60204; NCI-C60208; UN1959; VDF; Vinylidene difluoride; Vinylidene fluoride. Used as a refrigerant. Gas; mp = -144°; bp ■ -85.7°; very soluble in organic solvents. *Dow Chem. U.S.A.; DuPont.*

1283 4-(Diglycidylamino)phenyl glycidyl ether

5026-74-4 H



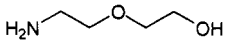
$C_{15}H_{19}NO_4$

p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline.

Aniline, p-(2,3-epoxypropoxy)-N,N-bis(2,3-epoxypropyl); BRN 1393091; 4-(Diglycidylamino)phenyl glycidyl ether; EINECS 225-716-2; N-(4-(Oxiranylmethoxy)phenyl)-N-(oxiranylmethyl)oxiranemethanamine; Oxiranemeth-anamine, N-(4-(oxiranylmethoxy)phenyl)-N-(oxiranyl-methyl)-; p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxy-propyl)aniline; TK 12759.

1284 Diglycolamine

929-06-6 G H



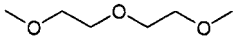
$C_4H_{11}NO_2$

2-(2-Aminoethoxy)ethanol.

4-04-00-01412 (Beilstein Handbook Reference); 2-Aminoethoxyethanol; 2-(2-Aminoethoxy)ethanol; 5-Aminoethyl 2-hydroxyethyl ether; 2-Amino-2'-hydroxydiethyl ether; 5-Hydroxy-3-oxapentylamine; BRN 0906728; Diethylene glycol amine; Diethylene glycol monoamine; Diglycolamine; Diglycolamine® Agent (DGA®); EINECS 213-195-4; Ethanol, 2-(2-aminoethoxy)-; HSDB 5770; 2-(2-Hydroxyethoxy)ethylamine; NSC 86108; UN3055. Solvent for removal of CO_2 or H_2S from gases, for recovery of aromatics from refinery streams, for preparation of foam stabilizers, wetting agents, emulsifiers, and condensation polymers. Liquid; mp = -12.5°; bp = 218-224°; d = 1.0500; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 5660 mg/kg. *Texaco.*

1285 Diglyme

111-96-6 3187 G H



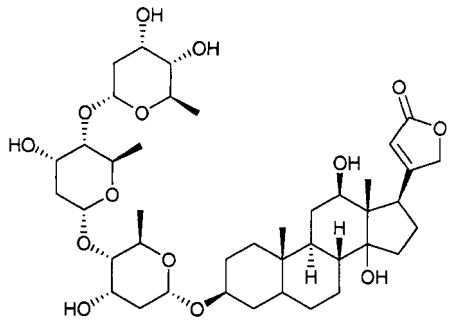
$C_6H_{14}O_3$

Diethylene glycol dimethyl ether.

4-01-00-02393 (Beilstein Handbook Reference); AI3-28583; Bis(2-methoxyethyl) ether; BRN 1736101; CCRIS 6212; Dariloid® 100; Di(2-Methoxyethyl) ether; Diethylene glycol dimethyl ether; Diglycol methyl ether; Diglyme; Dimethoxydiglycol; Dimethyl carbitol; Dricoid® 200; EINECS 203-924-4; Ethane, 1,1'-oxybis(2-methoxy-; Ether, bis(2-methoxyethyl); Glyme 2; HSDB 72; Methyldiglyme; NSC 59726; Poly-Solv. A solvent for polystyrene PVC/PVA copolymer and polymethyl methacrylate. Liquid; mp = -68°; bp = 162°; d^{20} = 0.9434; freely soluble in H_2O, EtOH, Et_2O. *ICI Chem. & Polymers Ltd.*

1286 Digoxin

20830-75-5 3189 D



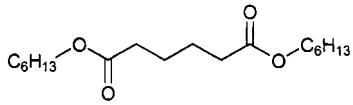
$C_{41}H_{64}O_{14}$

3-[(O-2,6-Dideoxy-β-D-ribohexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-ribohexopyranosyl-(1→4)-2,6-dideoxy-β-D-ribohexopyranosyl)oxy]-14-hydroxycard-20(22)-enolide.

5-18-04-00381 (Beilstein Handbook Reference); Acygoxin; BRN 0077011; Cardigox; Cardiogoxin; Cardioxin; Cardoxin; Chloroformic digitalin; Coragoxine; Cordioxil; Davoxin; Digacin; Digoksyna; Digomal; Digon; Digonix; Digos; Digosin; Digossina; Digoxigenin-tridigitoxosid; Digoxin; Digoxin Nativelle; Digoxin-Sandoz; Digoxin-Zori; Digoxina-Sandoz; Digoxina; Digoxine; Digoxine Nativelle; Digoxinum; Dilanacin; Dimecip; Dixina; Dokim; Dynamos; EINECS 244-068-1; Eudigox; Fargoxin; Grexin; Hemigoxine Nativelle; Homolle's digitalin; HSDB 214; Lanacordin; Lanacrist; Lanatilin; Lanicor; Lanikor; Lanorale; Lanoxicaps; Lanoxin; Lanoxin PG; Lenoxicaps; Lenoxin; Lifusin; Longdigox; Mapluxin; Natigoxin; Neo-Lanicor; NeoDioxanin; Novodigal [inj.]; NSC 95100; Purgoxin; Rougoxin; Saroxin; SK-Digoxin; Stillacor; Vanoxin. Secondary glycoside from *Digitalis purpurea L. Scrophulariaceae.* Used as a cardiotonic. Dec = 230-265°; $[\alpha]_D^{25}$ = 13.4 - 13.8° (c = 10 C_5H_5N); λ_m = 220 nm (ε 12800 EtOH); soluble in EtOH, C_5H_5N; insoluble in $CHCl_3$, Me_2CO, EtOAc, H_2O, Et_2O. *Glaxo Wellcome Inc.; Wyeth-Ayerst Labs.*

1287 Dihexyl adipate

110-33-8 G H



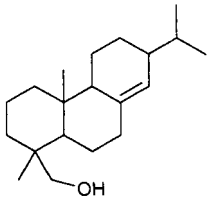
$C_{18}H_{34}O_4$

Di-n-hexyl hexanedioate.

4-02-00-01963 (Beilstein Handbook Reference); Adimoll® DH; Adipic acid, dihexyl ester; AI3-07963; BRN 1798668; Di-n-hexyl adipate; Dihexyl adipate; Dihexyl hexanedioate; EINECS 203-757-7; Hexanedioic acid, dihexyl ester; Di-n-hexyl hexanedioate; Plasticizer dihexyl adipate. Monomeric plasticizer. *Bayer AG.*

1288 Dihydroabietyl alcohol

26266-77-3 G



$C_{20}H_{34}O$
Dodecahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenemethanol.
Abietyl alcohol, dihydro-; Abitol® E; Arbitol E; Dihydroabietyl alcohol; Dodecahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenemethanol; (1R-(1α,4Aβ, 4bα,10aα))-Dodecahydro-7-isopropyl-1,4a-dimethyl-phenanthren-1-methanol; EINECS 247-574-0; Hydro-abietyl alcohol; 1-Phenanthrenemethanol, 1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydro-1,4a-dimethyl-7-(1-methyl-ethyl)-, (1R,4aR,4bS,10aR)-; 1-Phenanthrenemethanol, dodecahydro-1,4a-dimethyl-7-(1-methylethyl)-; Abietyl alcohol, dihydro-; Dihydroabietyl alcohol; Hydroabietyl alcohol; 1-Phenanthrenemethanol, dodecahydro-1,4a-dimethyl-7-(1-methylethyl)-. Resinous plasticizer and tackifier in plastics, lacquers, inks and adhesives; chemical intermediate. *Hercules Inc.*

1289 Dihydrogenated tallow dimethyl ammonium methosulfate

61789-81-9 H

Quaternary ammonium compounds, bis(hydrogenated tallowalkyl)dimethyl, methyl sulfates.
Dihydrogenated tallow dimethyl ammonium methosulfate; EINECS 263-091-8; Quaternary ammonium compounds, bis(hydrogenated tallowalkyl)dimethyl, Me sulfates; Quaternium-18 methosulfate.

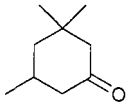
1290 Dihydrogenated tallow methylamine

61788-63-4 H

Amines, bis(hydrogenated tallow alkyl)methyl.
Amines, bis(hydrogenated tallow alkyl)methyl; Dihydrogenated tallow methylamine; EINECS 262-991-8.

1291 Dihydroisophorone

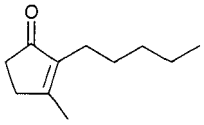
873-94-9 G



$C_9H_{16}O$
3,5,5-Trimethylcyclohexanone.
AI3-33978; Cyclohexanone, 3,3,5-trimethyl-; Dihydro-isophorone; Dihydroisophorone; EINECS 212-855-9; 3,3,5-Trimethylcyclohexanone; 3,3,5-Trimethylcyclo-hexan-1-one. A high boiling point ketone solvent used for surface coatings. Yellow oil; bp = 189°; d^{19} = 0.8919.

1292 Dihydrojasmone

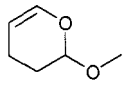
1128-08-1 G



$C_{11}H_{18}O$
2-Pentyl-3-methyl-2-cyclopenten-1-one.
4-07-00-00230 (Beilstein Handbook Reference); AI3-15185; 2-Amyl-3-methyl-2-cyclopenten-1-one; BRN 1906471; 2-Cyclopenten-1-one, 3-methyl-2-pentyl-; Dihydrojasmone; EINECS 214-434-5; FEMA No. 3763; Jasmone, dihydro-; 3-Methyl-2-(n-pentanyl)-2-cyclopenten-1-one; 3-Methyl-2-pentyl-2-cyclopenten-1-one; 3-Methyl-2-pentylcyclopent-2-enone; NSC 71928; 2-Pentyl-3-methyl-2-cyclopenten-1-one. *Jasmine, fresh, fruity odor.* Used in floral & citrus perfumes. Liquid; bp_{22} ■ 143°, bp_{12} = 116°; d^{18} = 0.9165. *Quest Intl.; Quest UK.*

1293 3,4-Dihydro-2-methoxy-2H-pyran

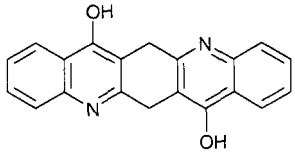
4454-05-1 H



$C_6H_{10}O_2$
2,3-Dihydro-2-methoxy(4H)pyran.
5-17-03-00196 (Beilstein Handbook Reference); BRN 0107274; 2,3-Dihydro-2-methoxy(4H)pyran; 3,4-Di-hydro-2-methoxy-2H-pyran; EINECS 224-698-3; MDP; 2-Methoxy-3,4-dihydro-2H-pyran; NSC 44974; 2H-Pyran, 3,4-dihydro-2-methoxy-.

1294 6,13-Dihydroquinacridone

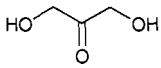
5862-38-4 H



$C_{20}H_{14}N_2O_2$
5,6,12,13-Tetrahydroquino(2,3-b)acridine-7,14-dione.
6,13-Dihydroquinacridone; EINECS 227-508-7; Quino-(2,3-b)acridine-7,14-dione, 5,6,12,13-tetrahydro-; 5,6,12, 13-Tetrahydroquino(2,3-b)acridine-7,14-dione.

1295 Dihydroxyacetone

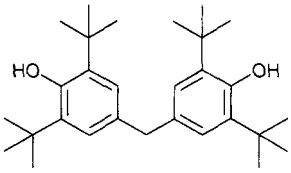
96-26-4 3204 G



$C_3H_6O_3$
1,3-Dihydroxy-2-propanone.
4-01-00-04119 (Beilstein Handbook Reference); AI3-24477; BRN 1740268; CCRIS 4899; Chromelin; Dihydroxyacetone; 1,3-Dihydroxyacetone; 1,3-Di-hydroxydimethyl ketone; 1,3-Dihydroxypropanone; Dihydroxyacetone; Dihyxal; EINECS 202-494-5; Ketochromin; NSC-24343; Otan; Oxantin; Oxatone; 2-Propanone, 1,3-dihydroxy-; Prtotsol; Soleal; Triulose; Viticolor. Used as cosmetic stain for suntan lotion and as a reagent in chemical synthesis; as a humectant, plasticizer, in fungicides. mp = 90°; soluble in H_2O (100 g/100 ml), EtOH, Et_2O, Me_2CO. *EM Ind. Inc.; Gist-Brocades Intl.; Janssen Chimica; Penta Mfg.; Spectrum Chem. Manufacturing.*

1296 Di(4-hydroxy-3,5-di-t-butylphenyl)methane

118-82-1 H



$C_{29}H_{44}O_2$
4,4'-Methylenebis(2,6-di-t-butylphenol).
4-06-00-06811 (Beilstein Handbook Reference); 4,4'-Methylenebis(2,6-bis(1,1-dimethylethyl)phenol); 4,4'-

Methylenebis(2,6-di-t-butylphenol); Antioxidant E 702; Bimox M; Binox M; BRN 1916919; CCRIS 5836; Di(4-hydroxy-3,5-di-t-butylphenyl)methane; E 702; EINECS 204-279-1; Ethyl 702; Etil 702; Ionox 220; Ionox 220 antioxidant; L 3MB1; LZ-MB 1; MB 1 (Antioxidant); NSC 30551; Phenol, 4,4'-methylenebis(2,6-di-t-butyl-.

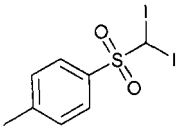
1297 Dihydroxyethyl cocamine oxide

61791-47-7 H

N,N-Bis(2-hydroxyethyl)cocamine oxide.
Amines, coco alkyl dihydroxyethyl, oxides; Bis(2-hydroxyethyl) cocoamine oxide; N,N-Bis(2-hydroxy-ethyl)cocamine oxide; Coco di-(hydroxyethyl) amine oxide; Dihydroxyethyl cocamine oxide; EINECS 263-180-1; Ethanol, 2,2'-iminobis-, N-coco alkyl derivs., N-oxides; 2,2'-Iminobisethanol, N-coco alkyl, N-oxide.

1298 Diiodomethyl-p-tolyl Sulfone

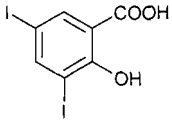
20018-09-1 G P



$C_8H_8I_2O_2S$
4-Methylphenyl diiodomethyl sulfone.
Amical 48; Benzene, 1-((diiodomethyl)sulfonyl)-4-methyl-; BRN 2212639; Caswell No. 353B; Diiodomethyl p-tolyl sulfone; 1-(Diiodomethyl)sulfonyl-4-methyl benzene; p-((Diiodomethyl)sulphonyl)toluene; EPA Pesticide Chem-ical Code 101002. Mildewcide, fungicide for latex paints, emulsions, caulks, adhesives and sealants, and in lumber, construction, home improvement, textile, and automotive industries. Registered by EPA as an antimicrobial, fungicide and herbicide. *Angus; Dow Chem. U.S.A.; Kop-Coat Inc.; Thomson Research Associates.*

1299 3,5-Diiodosalicylic acid

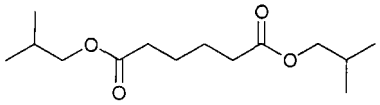
133-91-5 3212 G



$C_7H_4I_2O_3$
2-Hydroxy-3,5-diiodobenzoic acid.
4-27-00-07537 (Beilstein Handbook Reference); AI3-33355; Benzoic acid, 2-hydroxy-3,5-diiodo-; Benzoic acid, 3,5-diiodo-2-hydroxy-; BRN 2615358; 3,5-Diiodo-2-hydroxybenzoic acid; 3,5-Diiodosalicylate; Diosal; EINECS 205-124-0; 2-Hydroxy-3,5-diiodobenzoic acid; 2-Hydroxy-3,5-diiodobenzenecarboxylic acid; 2-Hydroxy-3,5-diiodobenzoate; NSC 6303; Salicylic acid, 3,5-diiodo-. An intermediate in the manufacture of thyroxine. Needles; mp = 235.5°; λ_m = 222, 274 nm (MeOH); insoluble in C_6H_6, $CHCl_3$, slightly soluble in H_2O, very soluble in EtOH, Et_2O.

1300 Diisobutyl adipate

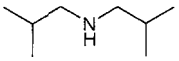
141-04-8 G



$C_{14}H_{26}O_4$
Bis(2-methylpropyl) hexanedioate.
4-02-00-01962 (Beilstein Handbook Reference); Adipic acid bis(2-methylpropyl) ester; Adipic acid, diisobutyl ester; AI3-00995; Bis(2-methylpropyl) hexanedioate; BRN 1791084; DBE-IB; DIBA; Dibutyl adipate; Diisobutyl adipate; Diisobutyl hexanedioate; EINECS 205-450-3; Ftaflex DIBA; Hexanedioic acid, bis(2-methylpropyl) ester; Hexanedioic acid, diisobutyl ester; HSDB 345; Isobutyl adipate; NSC 6343; Plasthall® DIBA. Used as a plasticizer. Liquid; bp = 293°. Bp $_{15}$ = 187°; d^{19} = 0.9543; insoluble in H_2O, soluble in most organic solvents; LD_{50} (rat ip) = 5950 mg/kg. *Aceto Corp.; Hall C.P.; Sigma-Aldrich Fine Chem.*

1301 Diisobutylamine

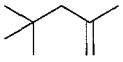
110-96-3 H



$C_8H_{19}N$
N,N-Bis(2-methylpropyl)amine.
4-11-00-00122 (Beilstein Handbook Reference); AI3-15330; Amine, diisobutyl-; Bis(β-methylpropyl)amine; N,N-Bis(2-methylpropyl)amine; BRN 1209251; CCRIS 6232; Diisobutylamine; EINECS 203-819-3; HSDB 5543; 2-Methyl-N-(2-methylpropyl)-1-propanamine; 1-Prop-anamine, 2-methyl-N-(2-methylpropyl)-; UN2361. Liquid; mp = -73.5°; bp = 139.6°; d^{20} = 1.4090; soluble in Et_2O, Me_2CO, C_6H_6, slightly soluble in H_2O, CCl_4.

1302 Diisobutylene

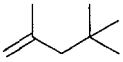
107-39-1 H



C_8H_{16}
2,4,4-Trimethyl-1-pentene.
4-01-00-00892 (Beilstein Handbook Reference); AI3-30049; BRN 1098309; Diisobutylene; EINECS 203-486-4; HSDB 1442; 1-Methyl-1-neopentylethylene; NSC 73942; 1-Pentene, 2,4,4-trimethyl-; 2,2,4-Trimethyl-4-pentene; 2,4,4-Trimethyl-1-pentene. Liquid; mp = -93.5°; bp = 101.4°; d^{20} = 0.7150; λ_m = 193 nm (ε = 7079, C_6H_{12}); insoluble in H_2O, soluble in Et_2O, C_6H_6, CCl_3, $CHCl_3$, ligroin.

1303 Diisobutylene

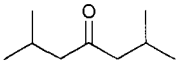
25167-70-8 H



C_8H_{16}
Pentene, 2,4,4-trimethyl-.
Diisobutylene; EINECS 246-690-9; Pentene, 2,4,4-trimethyl-; 2,4,4-Trimethylpentene; UN2050.

1304 Diisobutyl ketone

108-83-8 G H

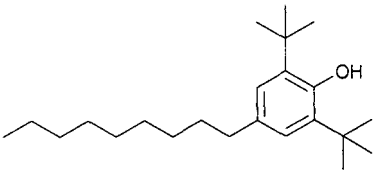


$C_9H_{18}O$
2,6-Dimethylheptan-4-one.
4-01-00-03360 (Beilstein Handbook Reference); AI3-11270; BRN 1743163; Caswell No. 355B; CCRIS 6233; Di-isobutylcetone; DIBK; Diisobutilchetone; Diisobutyl-keton; Diisobutyl ketone; Diisopropylacetone; s-Diiso-propylacetone; sec-Diisopropyl acetone;

sym-Diiso-propylacetone; 2,6-Dimethyl-4-heptanone; 2,6-Dimethyl-heptan-4-on; 2,6-Dimetil-eptan-4-one; EINECS 203-620-1; FEMA No. 3537; Heptanone, 2,6-dimethyl-, 4-; 4-Heptanone, 2,6-dimethyl-; HSDB 527; Isobutyl ketone; Isovalerone; NSC 15136; UN1157; Valerone. Solvent for nitrocellulose, rubber, synthetic resins; lacquers, coatings, organic synthesis, roll-coating inks, stains. Registered by EPA (cancelled). Liquid; mp = -41.5; bp = 169.4°; λ_m = 233 nm (ε = 287, cyclohexane); insoluble in H_2O; soluble in CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 4300 mg/kg. *Allchem Ind.; Degussa-Hüls Corp.; Eastman Chem. Co.; Sigma-Aldrich Co.; Union Carbide Corp.*

1305 Diisobutyl nonyl phenol

4306-88-1 G



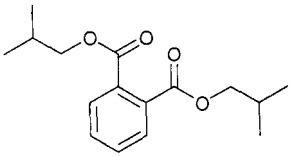
$C_{23}H_{40}O$

2,6-Di-t-butyl-4-nonylphenol.

EINECS 224-320-7; Phenol, 2,6-bis(1,1-dimethylethyl)-4-nonyl-; Uvi-Nox 1494. *Rhône Poulenc Surfactants.*

1306 Diisobutyl phthalate

84-69-5 G H



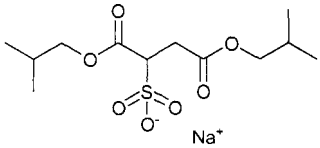
$C_{16}H_{22}O_4$

Diisobutyl 1,2-benzenedicarboxylate.

4-09-00-03177 (Beilstein Handbook Reference); AI3-04278; BRN 2054802; CCRIS 6193; Di-iso-butyl phthalate; Di(i-butyl)phthalate; DIBP; Diisobutyl phthalate; Diisobutylester kyseliny ftalove; EINECS 201-553-2; Hatcol DIBP; Hexaplas M/1B; HSDB 5247; Isobutyl phthalate; Kodaflex DIBP; NSC 15316; Palatinol IC; Phthalic acid, diisobutyl ester. Plasticizer Oil; mp ◘ -64°; bp = 296.5°, bp_4 = 159°; fp = 185°; d^{15} = 1.0490; soluble in CCl_4. *Eastman Chem. Co.*

1307 Diisobutyl sodium sulfosuccinate

127-39-9 3216 G



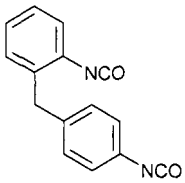
$C_{12}H_{21}NaO_7S$

Sulfo-butanedioic acid 1,4-bis(2-methylpropyl)ester sod-ium salt.

Aerosol® IB-45; AI3-18859; 1,4-Bis(2-methylpropyl)-sulfobutanyedioate, sodium salt; Butanedioic acid, sulfo-, 1,4-bis(2-methylpropyl) ester, sodium salt; EINECS 204-839-5; Rewopol® SBDB 45; Sodium 1,2-diisobutoxycarbonylethanesulphonate; Sodium 1,4-diisobutyl sulfosuccinate; Succinic acid, sulfo-, 1,4-diisobutyl ester, sodium salt; Sulfosuccinic acid, diisobutyl ester, sodium salt. Emulsifier, wetting agent. Used in emulsion polymerization of styrene, butadiene and copolymers; dye and pigment dispersant. Used for leaching and electroplating. Biodegradable. *Am. Cyanamid; Rewo.*

1308 2,4'-Diisocyanatodiphenylmethane

5873-54-1 H



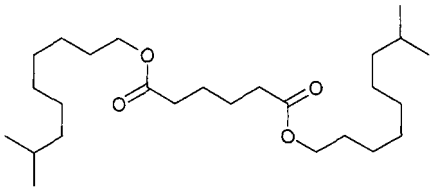
$C_{15}H_{10}N_2O_2$

Isocyanic acid, diester with 2,4'-methylenediphenol.

Benzene, 1-isocyanato-2-((4-isocyanatophenyl)methyl)-; 2,4'-Diisocyanatodiphenylmethane; 2,4'-Diphenyl-methanediisocyanate; EINECS 227-534-9; o-(p-Isocyanatobenzyl)phenyl isocyanate; Isocyanic acid, diester with 2,4'-methylenediphenol.

1309 Diisodecyl adipate

27178-16-1 H



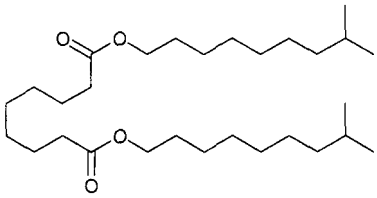
$C_{26}H_{50}O_4$

Hexanedioic acid, diisodecyl ester.

Adipic acid, diisodecyl ester; Diisodecyl adipate; EINECS 248-299-9; Hexanedioic acid, diisodecyl ester.

1310 Diisodecyl azelate

28472-97-1 H



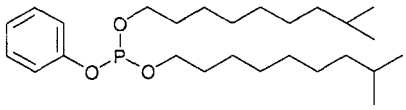
$C_{29}H_{56}O_4$

Azelaic acid, diisodecyl ester.

Azelaic acid, diisodecyl ester; Diisodecyl azelate; EINECS 249-044-4; Nonanedioic acid, diisodecyl ester.

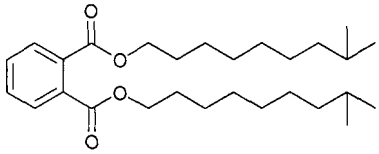
1311 Diisodecyl phenyl phosphite

25550-98-5 H



$C_{26}H_{47}O_3P$
Phosphorous acid, diisodecyl phenyl ester.
Diisodecyl phenyl phosphite; Diisodecylphenyl phos-phite; EINECS 247-098-3; Phosphorous acid, diisodecyl phenyl ester.

1312 Diisodecyl phthalate
26761-40-0 H

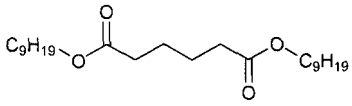


$C_{28}H_{46}O_4$
1,2-Benzenedicarboxylic acid, diisodecyl ester.
1,2-Benzenedicarboxylic acid, diisodecyl ester; Bis(isodecyl) phthalate; BRN 2171889; CCRIS 6194; Di(i-decyl) phthalate; Didp; DIDP (plasticizer); Diisodecyl phthalate; EINECS 247-977-1; HSDB 930; Palatinol Z; Phthalic acid, bis(8-methylnonyl) ester; Phthalic acid, diisodecyl ester; Plasticized ddp; PX 120; Sicol 184; Vestinol DZ.

1313 Diisodecyl phthalate
68515-49-1 G

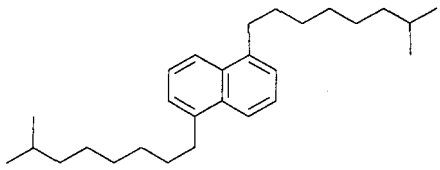
$C_{28}H_{46}O_4$
1,2-Benzenedicarboxylic acid, diisodecyl ester.
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich; Di(C9-C11) branched alkyl phthalate; DIDP; Diplast® R; EINECS 271-091-4; Jayflex® DIDP; Nuoplaz® DIDP; Palatinol® DIDP; Phthalic acid, di-C9-11-branched alkyl esters, C10-rich; Plasthall® DIDP-E; PX-120. Used as a plasticizer. Liquid; bp = 250-257°; d = 0.966; insoluble in H_2O, soluble in organic solvents; fp = -50°; viscosity = 108 cps; flash point = 450°F. *Allchem Ind.; Aristech; Ashland; BASF Corp.; Coyne; Exxon; Hall C.P.; Harwick; Hatco; Hoechst AG; OxyChem.*

1314 Diisononyl adipate
33703-08-1 G H



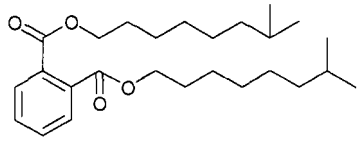
$C_{24}H_{46}O_4$
Adipic acid, diisononyl ester.
Adimoll® DN; Adipic acid, diisononyl ester; CCRIS 2004; Diisononyl adipate; Diisononyl hexanedioate; EINECS 251-646-7; Hexanedioic acid, diisononyl ester; PX-209. A reagent grade, monomeric plasticizer. *Aristech; Bayer AG.*

1315 Diisononylnaphthalene
63512-64-1 H



$C_{28}H_{44}$
Naphthalene, diisononyl-.
Diisononylnaphthalene; EINECS 264-290-2; Naph-thalene, diisononyl-.

1316 Diisononyl phthalate
28553-12-0 3319 H

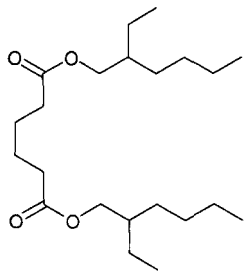


$C_{26}H_{42}O_4$
1,2-Benzenedicarboxylic acid, diisononyl ester.
Baylectrol 4200; 1,2-Benzenedicarboxylic acid, diisononyl ester; CCRIS 6195; Diisononyl phthalate; DINP; DINP2; DINP3; EINECS 249-079-5; Enj 2065; ENJ 2065; HSDB 4491; Isononyl alcohol, phthalate (2:1); JAY-DINP; Jayflex DINP; Palatinol DN; Palatinol N; Phthalic acid, diisononyl ester; Phthalisocizer DINP; Sansocizer DINP; Vestinol 9; Vestinol NN; Vinylcizer 90; Witamol 150.

1317 Diisononyl phthalate
68515-48-0 G

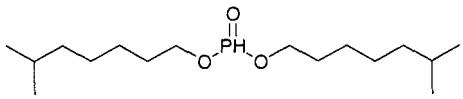
$C_{26}H_{42}O_4$
Di(isononyl) phthalate branched.
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich; CCRIS 7927; Di(C8-C10) branched alkyl phthalate; Di(isononyl) phthalate branched; Diisononyl phthalate, technical grade; EINECS 271-090-9. Plasticizer. *BASF Corp.; Chemisphere; Chisso Corp.; Hall C.P.*

1318 Diisooctyl adipate
1330-86-5 G H



$C_{22}H_{42}O_4$
Adipic acid, diisooctyl ester.
Adipic acid, diisooctyl ester; Adipol 10A; Ageflex FA-10; DB 32 (ester); Diisooctyl adipate; Dimethylheptyl adipate; Dioa; EINECS 215-553-5; Hatcol 2906; Hexanedioic acid, diisooctyl ester; HSDB 5813; HSDB 615; Monoplex® DIOA; Isooctyl adipate; Isooctyl alcohol, adipate (2:1); Plasthall® DIOA; PX 208. Used as a plasticizer. *Hall C.P.*

1319 Diisooctyl phosphite
36116-84-4 G

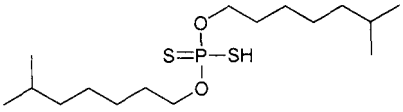


$C_{16}H_{35}PO_3$
Diisooctyl phosphonate.
Di-isooctyl phosphite; Diisooctyl phosphonate; Doverphos® DIOP;

EINECS 252-873-4; Phosphonic acid, diisooctyl ester. Stabilizer for PVC, PP; lubricant additive. Liquid; bp ■ 129°; d = 0.925-0.933; flash point = 146°. *Dover.*

1320 O,O'-Diisoctylphosphorodithioic acid

26999-29-1 H



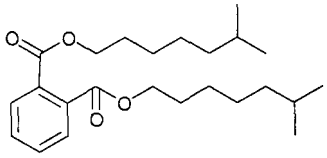
$C_{16}H_{35}O_2PS_2$

Phosphorodithioic acid, O,O-diisooctyl ester.

EINECS 248-161-8; O,O-Diisooctyl hydrogen dithiophosphate; O,O'-Diisoctylphosphorodithioic acid; O,O'-Diisooctyl phosphorodithioic acid; Phosphoro-dithioic acid, O,O-diisooctyl ester.

1321 Diisooctyl phthalate

27554-26-3 G H



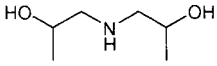
$C_{24}H_{38}O_4$

Phthalic acid, bis(6-methylheptyl)ester.

AI3-27697-X (USDA); 1,2-Benzenedicarboxylic acid, diisooctyl ester; Corflex 880; Di-iso-octyl phthalate; Diisooctyl 1,2-benzenedicarboxylate; Diisooctyl phthalate; Diop; EINECS 248-523-5; Flexol Plasticizer DIOP; Genomoll 100; Hexaplas M/O; HSDB 588; Isooctyl phthalate; NSC 6381; Phthalic acid, bis(6-methylheptyl)ester; Phthalic acid, diisooctyl ester; Witcizer 313. General purpose plasticizer.

1322 Diisopropanolamine

110-97-4 3218 G H



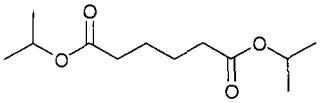
$C_6H_{15}NO_2$

N,N-Bis(2-hydroxypropyl)amine.

3-04-00-00761 (Beilstein Handbook Reference); Bis(2-hydroxypropyl)amine; N,N-Bis(2-hydroxypropyl)amine Bis(2-propanol)amine; BRN 0605363; CCRIS 6234; Di-2-propanolamine; Diisopropanolamine; DIPA; Dipropyl-2,2'-dihydroxy-amine; EINECS 203-820-9; HSDB 338; NSC 4963. Emulsifying agent used in polishes, textile specialties, leather compounds, insecticides, cutting oils, aqueous paints. Crystals; mp = 44.5°; bp = 250°, bp_{23} = 151°; d^{20} = 0.989; soluble in EtOH, H_2O, slightly soluble in Et_2O. *BASF Corp.*

1323 Diisopropyl adipate

6938-94-9 G H



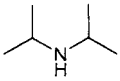
$C_{12}H_{22}O_4$

Hexanedioic acid, bis(1-methylethyl) ester.

4-02-00-01961 (Beilstein Handbook Reference); Adipic acid, diisopropyl ester; AI3-06066; Bis(1-methylethyl)hexanedioate; BRN 1785346; Ceraphyl 230; Crodamol DA; β-dia; EINECS 230-072-0; Iso-adipate 2/043700; Isopropyl adipate; NSC 56587; Prodipate; Schercemol DIA; Standamul DIPA; Tegester 504-D; Unimate® DIPA; Wickenol 116. Used in cosmetics. Liquid; mp = -1.1°; $bp_{6.5}$ = 120°; d^{20} ■ 0.9569; very soluble in Me_2CO, EtOH, Et_2O. *Union Camp.*

1324 Diisopropylamine

108-18-9 3219 G H



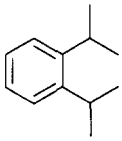
$C_6H_{15}N$

N-Isopropyl-1-amino-2-methylethane.

AI3-15345; CCRIS 6235; Diisopropylamine; DIPA; EINECS 203-558-5; HSDB 931; N-(1-Methylethyl)-2-propanamine; N-Isopropyl-1-amino-2-methylethane; NSC 6758; UN1158. Intermediate, catalyst. Liquid; mp = -61°; bp = 83.9°; d^{20} = 0.7153; λ_m = 301 nm (ε = 7, gas); very soluble in EtOH, Et_2O, Me_2CO, C_6H_6; LD_{50} (rat orl) ■ 770 mg/kg. *Air Prods & Chems; BASF Corp.; Elf Atochem N. Am.; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

1325 Diisopropylbenzene

25321-09-9 H



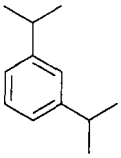
$C_{12}H_{18}$

Diisopropylbenzenes.

Benzene, bis(1-methylethyl)-; Benzene, diisopropyl-; Bis(1-methylethyl)benzene; Diisopropylbenzene; Diiso-propylbenzenes; EINECS 246-835-6; HSDB 6500. Mixture of o, m and p-isomers.

1326 m-Diisopropylbenzene

99-62-7 G H



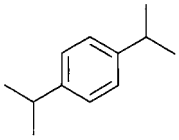
$C_{12}H_{18}$

Benzene, 1,3-bis(1-methylethyl)-.

4-05-00-01125 (Beilstein Handbook Reference); AI3-08224; Benzene, 1,3-bis(1-methylethyl)-; Benzene, m-diisopropyl-; BRN 1905828; m-Diisopropylbenzene; m-Diisopropylbenzol; EINECS 202-773-1; HSDB 5325. Used as a solvent and chemical intermediate. mp = -63.1°; bp = 203.2°; d = 0.8560; λ_m = 211, 257, 263, 270 nm (ε = 8970, 232, 282, 236, MeOH); insolublein H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4; LD_{50} (rat orl) = 7400 mg/kg. *Robert Koch Industries.*

1327 p-Diisopropylbenzene

100-18-5 G H



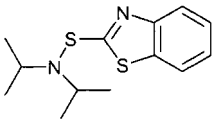
$C_{12}H_{18}$

Benzene, 1,4-bis(1-methylethyl)-.

4-05-00-01126 (Beilstein Handbook Reference); Benzene, 1,4-bis(1-methylethyl)-; Benzene, p-diisopropyl-; BRN 1854739; p-Diisopropylbenzene; p-Diisopropylbenzol; para-Diisopropylbenzene; EINECS 202-826-9; HSDB 5331; NSC 84198. Used as a solvent and chemical intermediate. Oil; mp = -17°; bp = 210.3°; d^{20} = 0.8568; λ_m = 212, 217, 263, 271 nm (ε = 27700, 26500,1460, 1440, MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4; LD_{50} (mus orl) = 3400 mg/kg. *Robert Koch Industries.*

1328 N,N-Diisopropyl-2-benzothiazolesulfen-amide

95-29-4 H



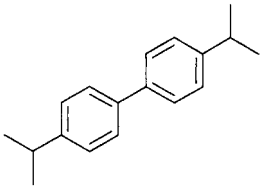
$C_{13}H_{18}N_2S_2$

2-Benzothiazolesulfenamide, N,N-bis(1-methylethyl)-.

4-27-00-01866 (Beilstein Handbook Reference); N,N-Bis(isopropyl)-2-benzothiazolesulfenamide; BRN 0177776; DIBS; N,N-Diisopropyl-2-benzothiazolesulfen-amide; Dipac (accelerator); DIPAC; DIPAK; EINECS 202-407-0; HSDB 5287; Meramid P; Santocure IPS.

1329 Diisopropylbiphenyl

36876-13-8 H



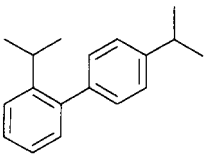
$C_{18}H_{22}$

1,1'-Biphenyl, ar,ar'-bis(1-methylethyl)-.

1,1'-Biphenyl, ar,ar'-bis(1-methylethyl)-; Dicumyl; Diisopropylbiphenyl; EINECS 253-247-3; HSDB 6166; isopropyl(isopropylphenyl)benzene. Mixture of o, m and p-isomers.

1330 Diisopropylbiphenyl

69009-90-1 G



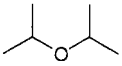
$C_{18}H_{22}$

Bis(methylethyl)-1,1'-biphenyl.

1,1'-Biphenyl, bis(1-methylethyl)-; Diisopropyl-1,1'-biphenyl; Diisopropylbiphenyl; EINECS 273-683-8; Nusolv ABP-103. Mixture of o, m and p-isomers. Solvent possessing excellent solvency, chemical and thermal stability, nonvolatility; for Aerosols®, adhesives, electronic parts manufacturing and cleaning, industrial cleaning, inks and paper coatings, metal cleaning, paints, plastics, sealants, tile manufacturing. *Ridge Tech.*

1331 Diisopropyl ether

108-20-3 5232 H



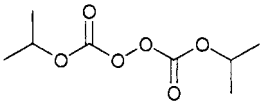
$C_6H_{14}O$

2,2'-Oxybispropane.

AI3-24270; Bis(isopropyl) ether; Diisopropyl ether; Diisopropyl oxide; EINECS 203-560-6; Ether, isopropyl; Ether isopropylique; HSDB 624; Isopropyl ether; izopropylowy eter; Propane, 2,2'-oxybis-; UN1159. Liquid; mp = -86.8°; bp = 68.5°; d^{20} = 0.7241; slightly soluble in H_2O, soluble in Me_2CO, CCl_4, freely soluble in EtOH, Et_2O.

1332 Diisopropyl peroxydicarbonate

105-64-6 H



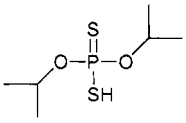
$C_8H_{14}O_6$

Peroxydicarbonic acid, bis(1-methylethyl) ester.

4-03-00-00019 (Beilstein Handbook Reference); Bisisopropyl peroxydicarbonate; BRN 1786996; Diisopropyl perdicarbonate; Diisopropyl peroxy-dicarbonate; Diisopropyl peroxydiformate; EINECS 203-317-4; HSDB 349; Isopropyl percarbonate; Isopropyl peroxydicarbonate; Luperox IPP; Peroxydicarbonate d'isopropyle; Peroxydicarbonic acid, bis(1-methylethyl) ester; Peroxydicarbonic acid, diisopropyl ester.

1333 Diisopropyl phosphorodithioate

107-56-2 H



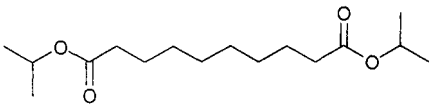
$C_6H_{15}O_2PS_2$

Phosphorodithioic acid, O,O-diisopropyl ester.

Aerofloat 211; CP 41348; Diisopropyl phosphoro-dithioate; EINECS 203-492-7; HSDB 5379; Isopropyl aerofloat; Isopropyl phosphorodithioate; NSC 15258; O,O-Diisopropyl dithiophosphate; Phosphorodithioic acid, O,O-diisopropyl ester; Phosphorodithioic acid, O,O-bis(1-methylethyl) ester; Phosphorodithioic acid, O,O-diisopropyl ester.

1334 Diisopropyl sebacate

7491-02-3 G



$C_{16}H_{30}O_4$

Decanedioic acid, bis(1-methylethyl) ester.

Bis(1-methylethyl)decanedioate; Diisopropyl sebacate; EINECS 231-306-4; Unimate® DIPS; Wickenol 117. Skin emollient, solubilizer, coupler, spreading agent for creams, lotions, bath oils, Aerosol® toilet preparations. *Union Camp.*

1335 Diketene

674-82-8 H

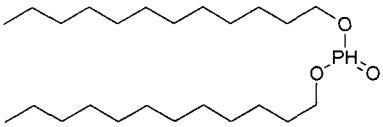
$C_4H_4O_2$

4-Methylene-2-oxetanone.

5-17-09-00115 (Beilstein Handbook Reference); Acetyl ketene; BRN 0104541; But-3-en-3-olide; 3-Buteno-β-lactone; 3-Butenoic acid, 3-hydroxy-, β-lactone; Diketene; EINECS 211-617-1; Ethenone, dimer; HSDB 2063; Ketene, dimer; 4-Methylene-2-oxetanone; NSC 93783; 2-Oxetanone, 4-methylene-; UN2521; Vinyl-aceto-β-lactone. Liquid; mp = -6.5°; bp = 126.1°; d^{20} = 1.0877.

1336 Dilauryl phosphite

21302-09-0 G



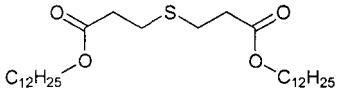
$C_{24}H_{51}O_3P$

Di(n-dodecyl)hydrogen phosphate.

BRN 2056801; Chelex H 12; Didodecyl phosphite; Di-n-dodecyl phosphite; Didodecyl phosphonate; Dilauryl hydrogen phosphite; Dilauryl phosphite; Doverphos® 271L; Doverphos® 274; Duraphos™ AP-230; EINECS 244-325-8; JP 212; NSC 41924; Phosphonic acid, didodecyl ester; Weston® DLP. Antioxidant and EP additive for lubricants; catalyst in polymerization of unsaturated compounds; stabilizer. Oil; d = 0.898-0.906; flash point = 138°; LD_{50} (rat orl) >10 g/kg. *Albright & Wilson Americas Inc.; CK Witco Chem. Corp.; GE Specialities; Nichia Kagaku Kogyo.*

1337 Dilauryl 3,3'-thiodipropionate

123-28-4 G H



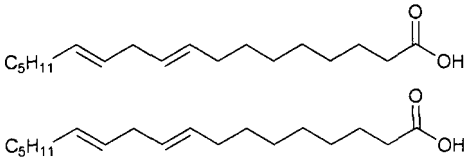
$C_{30}H_{58}O_4S$

Propanoic acid 3,3'-thiobis(didodecyl) ester.

4-03-00-00744 (Beilstein Handbook Reference); Advastab 800; AI3-25277; Antioxidant AS; Antioxidant LTDP; Argus DLTDP; Bis(dodecyloxycarbonylethyl) sulfide; BRN 1808848; Carstab® DLTDP; CCRIS 3936; Cyanox® LTDP; D 1 (antioxidant); Didodecyl 3,3'-thiodipropio-nate; Dilauryl thiodipropionate; Dilauryl 3,3'-thiodi-propionate; Dilaurylester kyseliny β',β'-thiodipropionove; Dilaurylthiodipropionate; DLT; Dltdp; DLTP; Dmptp; EINECS 204-614-1; HSDB 353; Ipognox 89; Irganox PS 800; Lauryl 3,3'-thiodipropionate; Lusmit; Milban F; Neganox DLTP; NSC 65494; Plastanox LTDP; Plastanox LTDP Antioxidant; Propanoic acid, 3,3'-thiobis-, didodecyl ester; Stabilizer DLT; Thiobis(dodecyl propionate); Thiodipropionic acid, dilauryl ester; Tyox B. Antioxidant used for polyolefins, thermoplastic elastomers synthetic rubber, used in cosmetics and pharmaceuticals and as a secondary antioxidant in ABS, PP, and polyethylene, in food packaging materials, automotive, appliance, battery casing, pipe; stabilization of oils, lubricants, sealants, and adhesives. A heat aging stabilizer used in conjunction with primary antioxidants; for PP, HDPE. Solid; mp ■ 40°; bp = 240°; d = 0.975; insoluble in H_2O; soluble in organic solvents; LD_{50} (rat orl) >10.3 g/kg. *Am. Cyanamid; CK Witco Corp.; Evans Chemetics; Morton Intn'l.*

1338 Dilinoleic acid

6144-28-1 G



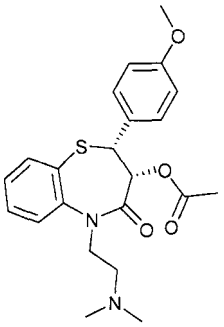
$C_{36}H_{64}O_4$

9,12-Octadecadienoic acid, dimer.

Dimer acid; Empol® 1016; Empol® 1020; Empol® 1022, 1004, 1026; Industrene® D; Pripol 1017, 1022, 1025. Dicarboxylic acid formed by the catalytic dimerization of linoleic acid; used as a lubricant, corrosion inhibitor, mildness additive in household detergents, plastics, and protective coatings. *Arizona; Henkel/Emery; Sherex; Union Camp; Witco/Humko.*

1339 Diltiazem

42399-41-7 3226 D



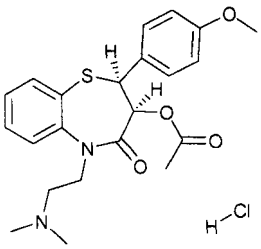
$C_{22}H_{26}N_2O_4S$

(+)-5-[2-(Dimethylamino)ethyl]-cis-2,3-dihydro-3-hydroxy-2-(p-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one acetate (ester).

Acalix; BRN 3573079; Dilcontin; Dilta-Hexal; Diltiazem; d-cis-Diltiazem; Diltiazemum; Dilticard; Dilzen; EINECS 255-796-4; Endrydil; HSDB 6528; Incorii AP. Antianginal; antihypertensive; antiarrhythmic (class IV). Calcium channel blocker with coronary vasodilating properties. *Bristol Myers Squibb Pharm. Ltd.; Forest Pharm. Inc.; Hoechst AG (USA); Lemmon Co.; Rhône-Poulenc Rorer Pharm. Inc.; Shionogi & Co. Ltd.; Tanabe Seiyaku Co. Ltd.*

1340 d-cis-Diltiazem hydrochloride

33286-22-5 3226 D



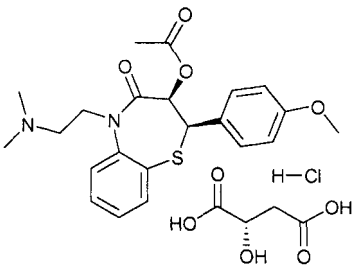
$C_{22}H_{27}ClN_2O_4S$

(+)-5-[2-(Dimethylamino)ethyl]-cis-2,3-dihydro-3-hydroxy-2-(p-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one acetate (ester) monohydrochloride.

Adizem; Adizem-CD; Altiazem; Altiazem Retard; Altiazem RR; Anginyl; Angiotrofin; Angiotrofin Retard; Angitil; Angizem; Anzem; Apo-diltiazem; Bi-Tildiem; Britiazim; Bruzem; Calcicard; Calnurs; Cardiazem; Cardil; Cardil Retard; Cardizem; Cardizem CD; Cardizem Retard; Carex; Carzem; Cirilen; Cirilen AP; Citizem; Citizen; Clarute; Coras; Corazet; Cormax; CRD-401; Dazil; Deltazen; Diacor; Diatal; Dil-Sonaramia; Dilacor XR; Dilacor XR Extended Release Capsules; Diladel; Dilatam; Dilatam 120; Dilatame; Dilcard; Dilcor; Dilem; Dilfar; Dilgard; Dilicardin; Dilpral; Diliren; Dilrene; Dilsal; Dilso; Diltahexal; Diltam; Diltan; Diltan SR; Diltelan; Diltiasyn; Diltiazem AWD; Diltiazem Basics; Diltiazem chloridrate; Diltiazem-Cophar; Diltiazem Eu Rho; Diltiazem GNR; Diltiazem-GRY; Diltiazem HCl; Diltiazem Henning; Diltiazem hydrochloride; Diltiazem-Isis; Diltiazem-Mepha; Diltiazem Merck; Diltiazem MSD; Diltiazem Stada; Diltiazem UPSA; Diltiazem Verla; Diltikor; Diltime; Dilzem; Dilzem Retard; Dilzem RR; Dilzene; Dilzereal 90 Retard; Dilzicardin; Dinisor; Dinisor Retard; Doclis; Dodexen; Dodexen A.P.; Dyalac; EINECS 251-443-3; Entrydil; Etizen; Etyzen; Farmabes; Gadoserin; Hart; Helsibon; Herben; Herbesser; Herbesser 60; Herbesser 90 SR; Herbesser 180 SR; Hesor; Incoril; Iski; Iski-90 SR; Kaltiazen; Kardil; Lacerol; Levozem; Longazem; Lytelsen; Masdil; Metazem; Miocardie; Mono-Tildiem; Myonil; Myonil Retard; Novo-Diltazem; Oxycardil; Pazeadin; Pentilzeno; Poltiazem; Presoken; Presokin A. P.; RG-83606; Slozen; Surazem; Syn-Diltiazem; Tazem; Taztia XT; Tiadil; Tiaves; Tiazac; Tilazem; Tilazem 90; Tilazem AS 60; Tilazem AS 90; Tildiem; Tildiem CR; Tildiem LA; Tildiem Retard; Trumsal; Ubicor; Uni Masdil; Viazem SR; Viazem XL; WL Diltiazem; Zildem; Zilden; Ziruvate. Antianginal; antihypertensive; class IV antiarrhythmic. Calcium channel blocker with coronary vasodilating properties. mp = 207.5-212°; $[\alpha]_D^{24}$ = +98.3 ± 1.4° (c = 1.002 in MeOH); soluble in H_2O, MeOH, $CHCl_3$; slightly soluble in absolute EtOH; practically insoluble in C_6H_6; LD_{50} (mmus iv) = 61 mg/kg, (mmus sc) = 260 mg/kg, (mmus orl) = 740 mg/kg, (fmus iv) = 58 mg/kg, (fmus sc) = 280 mg/kg, (fmus orl) = 640 mg/kg, (mrat iv) = 38 mg/kg, (mrat sc) = 520 mg/kg, (mrat orl) = 560 mg/kg, (frat iv) = 39 mg/kg, (frat sc) = 550 mg/kg, (frat orl) = 610 mg/kg. *Bristol Myers Squibb Pharm. Ltd.; Forest Pharm. Inc.; Hoechst AG (USA); Lemmon Co.; Rhône-Poulenc Rorer Pharm. Inc.; Tanabe Seiyaku Co. Ltd.*

1341 Diltiazem malate

144604-00-2 D



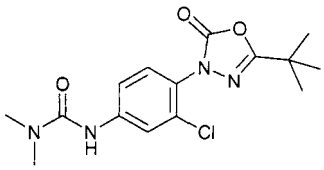
$C_{26}H_{32}N_2O_9S$

(+)-5-[2-(Dimethylamino)ethyl]-cis-2,3-dihydro-3-hydroxy-2-(p-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one acetate (ester) (S)-malate (1:1) monohydrochloride.

Diltiazem malate; MK-793. Calcium channel blocker with coronary vasodilating activity. Class IV antiarrhythmic. Antianginal; antihypertensive; class IV antiarrhythmic. *Bristol Myers Squibb Pharm. Ltd.; Forest Pharm. Inc.; Hoechst AG (USA); Lemmon Co.; Rhône-Poulenc Rorer Pharm. Inc.*

1342 Dimefuron

34205-21-5 G P



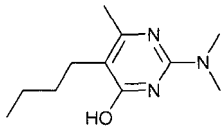
$C_{15}H_{19}ClN_4O_3$

N'-[3-Chloro-4-[5-(1,1-dimethylethyl)-2-oxo-1,3,4-oxa-diazol-3(2H)-yl]phenyl]-N,N-dimethylurea.

BRN 0628305; 3-(4-(5-t-Butyl-2,3-dihydro-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorophenyl)-1,1-dimethylurea; 3-(4-(5-(tert-Butyl)-2-oxo-1,3,4-oxadiazol-3(2H)-yl)-3-chloro-phenyl)-1,1-dimethylurea; N'-(3-Chloro-4-(5-(1,1-di-methylethyl)-2-oxo-1,3,4-oxadiazol-3(2H)-yl)phenyl)-N,N-dimethylurea; Dimefuron; Legurame TS; Pradone kombi; Pradone plus; Pradone TS; RP 23465; Urea, 3-(4-(2-t-butyl-5-oxo-Δ^2-1,3,4-oxadiazolin-4-yl)-3-chloro-phenyl)-1,1-dimethyl-; Vt 2809. Herbicide. Crystals; mp = 193°; soluble in H_2O (0.0016 g/100 ml), very soluble in $CHCl_3$, soluble in Me_2CO, CH_3CN, acetophenone, EtOH, slightly soluble in C_6H_6, C_7H_8, xylene; LD_{50} (rat orl) > 2000 mg/kg, (mus orl) > 10000 mg/kg, (dog orl) > 2000 mg/kg, (rbt der) > 1000 mg/kg, (rat ip) = 4000 mg/kg; LC_{50} (rainbow trout, bluegill sunfish 96 hr.) > 1000 mg/l; non-toxic to bees. *Aventis Crop Science; May & Baker Ltd.; Rhône-Poulenc.*

1343 Dimethirimol

5221-53-4 3243 G P



$C_{11}H_{19}N_3O$

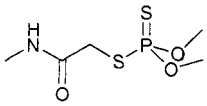
5-Butyl-2-(dimethylamino)-6-methyl-4(1H)-pyrimidinone.

BRN 0746334; 5-Butyl-2-dimethylamino-4-hydroxy-6-methylpyrimidine; 5-Butyl-2-(dimethylamino)-6-methyl-4-pyrimidinol; 5-Butyl-2-(dimethylamino)-6-methyl-4(1H)-pyrimidinone; 5-n-Butyl-2-dimethylamino-4-hydroxy-6-methylpyrimidine; Caswell No. 128A; Dimethirimol; 2-(Dimethylamino)-4-hydroxy-5-N-butyl-6-methylpyrim-

idine; 2-Dimethylamino-4-hydroxy-5-n-butyl-6-methyl-pyrimidine; Dimethyrimol; EINECS 226-021-7; EPA Pesticide Chemical Code 228200; Melkeb; Methyrimol; Milcurb; NSC 263490; PP 675; 4-Pyrimidinol, 5-butyl-2-dimethylamino-6-methyl-; 4(1H)-Pyrimidinone, 5-butyl-2-(dimethylamino)-6-methyl-; 2-Dimethylamino-4-methyl-5-n-butyl-6-hydroxypyrimidine; Dimethyrimol; EPA Pesticide Chemical Code 228200; Melkeb; Methyrimol; Milcurb; NSC 263490; PP 675; 4-Pyrimidinol, 5-butyl-2-dimethylamino-6-methyl-; 4(1H)-Pyrimidinone, 5-butyl-2-(dimethylamino)-6-methyl-. Systemic fungicide with protective and curative action. Used as soil application for control of powderyt mildews in curcubits, tobacco, capsicum, tomatoes and some ornamentals. Colorless needles; mp = 102°; soluble in H_2O (0.12 g/100 ml), $CHCl_3$ (120 g/100 ml), xylene (36 g/100 ml), EtOH (6.5 g/100 ml), Me_2CO (4.5 g/100 ml); LD_{50} (rat orl) = 2350 mg/kg, (mus orl) = 800 - 1600 mg/kg, (gpg orl) ◘ 500 mg/kg, (rat ip) = 200 - 400 mg/kg, (hen orl) = 4000 mg/kg; LC_{50} (brown trout 24 hr.) = 42 mg/l, (brown trout 48 hr.) = 33 mg/l, (brown trout 96 hr.) = 28 mg/l; non-toxic to bees. *ICI Agrochemicals; Syngenta Crop Protection.*

1344 Dimethoate

60-51-5 3246 G H P



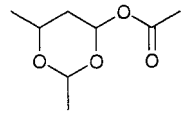
$C_5H_{12}NO_3PS_2$

O,O-Dimethyl-S-(N-methylcarbamoylmethyl) phosphorodithioate.

4-04-00-00252 (Beilstein Handbook Reference); 8014 Bis HC; Aadimethoal; AC-12880; AC-18682; Acetic acid, O,O-dimethyldithiophosphoryl-, N-monomethylamide salt; AI3-24650; American Cyanamid 12880; BI-58; Bi 58 EC; BRN 1785339; Caswell No. 358; CCRIS 245; Cekuthoate; CL 12880; Cygon; Cygon 2-E; Cygon 4E; Cygon 400; Cygon insecticide; Daphene; De-fend; Defend; Demos-L40; Devigon; Dimate 267; Dimetate; Dimethoaat; Dimethoat; Dimethoate; Dimethoate 30 EC; Dimethogen; Dimethyl phosphorodithioate,; Dimethyl S-((methylcarbamoyl)methyl) phosphorodithioate; Dimeton; Dimevur; EI-12880; EINECS 200-480-3; ENT 24,650; EPA Pesticide Chemical Code 035001; Experimental insecticide 12,880; Ferkethion; FIP; Fortion NM; Fosfamid; Fosfatox R; Fosfotox; Fosfotox R; Fosfotox R 35; Fostion MM; HSDB 1586; L-395; Lurgo; NCI-C00135; OMS 94; PEI 75; Perfecthion; Perfekthion; Phosphamid; Phosphamide; Racusan; RCRA waste number P044; Rebelate; Rogodan; Rogor; Rogor 20L; Rogor 40; Rogor L; Rogor P; Roxion; Roxion UA; Salut; Sevigor; Sinoratox; Sistemin; Solut; Systemin: Systoate; Tara; Tara 909; Trimetion; Turbair. Registered by EPA as an avicide and insecticide. An insecticide and acaricide with contact and plant systemic activity suitable for protection against a broad range of insects and mites. Grey-white crystals; mp = 52-53°; $bp_{0.05}$ = 107°; d ◘ 1.281; sg^{65} = 1.277; soluble in H_2O (2.5 g/100 ml), alcohols, ketones, C_6H_6, C_7H_8, $CHCl_3$, CH_2Cl_2 (all > 25 g/100 ml), slightly soluble in xylene, CCl_4, aliphatic hydrocarbons; LD_{50} (rat orl) = 290 - 325 mg/kg, (mus orl) = 160 mg/kg, (rbt orl) = 400 - 500 mg/kg, (gpg orl) = 600 mg/kg, (mpheasant orl) = 15 mg/kg, (quail orl) = 84 mg/kg, (ckn orl) = 108 mg/kg, (fmallard duck orl) ◘ 40 mg/kg, (bee orl) = 0.00015 mg/bee, (bee contact) = 0.00012 mg/bee), (rat der) > 800 mg/kg, (gpg der) > 1000 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.2 mg/l air, (mosquito fish 96 hr.) = 40 - 60 mg/l, (rainbow trout 96 hr.) = 6.2 mg/l, (bluegill sunfish 96 hr.) = 6 mg/l; toxic to bees. *A/S Cheminova; Agriliance LLC; Am. Cyanamid; Amvac Chemical Corp.; BASF Corp.; Celaflor Gmbh; Dragon Chemical Corp.; Drexel Chemical Co.; Gowan Co.; Helena Chemical Co.; Micro-Flo Co. LLC; Pan Britannica Industries Ltd.; Southern Agricultural Insecticides, Inc.; Uniroyal; Universal Cooperatives Inc.; Value Gardens Supply LLC; Wilbur Ellis Co.*

1345 Dimethoxane

828-00-2 3250 G P



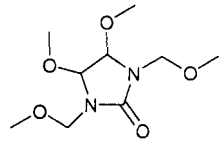
$C_8H_{14}O_4$

Dimethyl-m-dioxan-4-ol acetate.

4-19-00-00641 (Beilstein Handbook Reference); Acetic acid, 2,6-dimethyl-m-dioxan-4-yl ester; Acetic acid, ester with 2,6-dimethyl-m-dioxan-4-ol; Acetomethoxane; 6-Acetoxy-2,4-dimethyl-m-dioxane; 6-Acetoxy-2,4-di-methyl-1,3-dioxane; AI3-51032; BRN 0128710; Caswell No. 363; CCRIS 246; Dimethoxane; 1,3-Dioxan-4-ol, 2,6-dimethyl-, acetate; m-Dioxan-4-ol, 2,6-dimethyl-, acetate; Dioxin (bactericide) (Obs.); 2,4-Dimethyl-6-m-dioxanyl acetate; 2,4-Dimethyl-6-acetoxy-1,3-dioxane; 2,6-Di-methyl-1,3-dioxan-4-ol acetate; 2,6-Dimethyl-1,3-dioxan-4-yl acetate; 2,6-Dimethyl-m-dioxan-4-ol acetate; 2,6-Dimethyl-m-dioxan-4-yl acetate; EPA Pesticide Chemical Code 001001; G1V Gard DXN; GIV Gard DXN-CO; GIV Gard DXN; HSDB 4311; NCI-C56213. Preservative and gasoline additive. Fungicide. Registered by EPA as an antimicrobial and fungicide. Liquid; bp_6 = 74-75°; d_4^{20} = 1.0655; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 1930 mg/kg. *Dow Chem. U.S.A.*

1346 4,5-Dimethoxy-1,3-bis(methoxymethyl)-2-imidazolidinone

4356-60-9 H



$C_9H_{18}N_2O_5$

4,5-Dimethoxy-1,3-bis(methoxymethyl)imidazolidin-2-one.

4,5-Dimethoxy-1,3-bis(methoxymethyl)-2-imidazolidin-one; EINECS 224-431-0; 2-Imidazolidinone, 4,5-dimethoxy-1,3-bis(methoxymethyl)-.

1347 Dimethoxydimethylsilane

1112-39-6 G

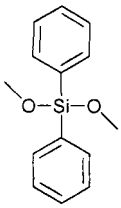
$C_4H_{12}O_2Si$

Dimethyldimethoxysilane.

AY 43-004; CD5605; EINECS 214-189-4; KBM 22; NSC 93882; Silane, dimethoxydimethyl-; TSL 8112; TSL 8117. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 82°; d^{20} = 0.8646; freely soluble in H_2O. *Degussa-Hüls Corp.*

1348 Dimethoxydiphenylsilane

6843-66-9 G



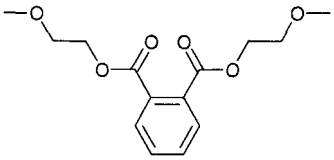
$C_{14}H_{16}O_2Si$

Diphenyldimethoxy silane.

AY 43-047; CD6010; Diphenyldimethoxysilane; EINECS 229-929-1; KBM 202; KBM 202LS5300; NSC 93509; Silane, dimethoxydiphenyl-; TSL 8172; Z 6074. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{15} = 161°; d^{20} = 1.0771. *Degussa-Hüls Corp.*

1349 Dimethoxyethyl phthalate

117-82-8 G



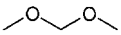
$C_{14}H_{18}O_6$

1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester.

4-09-00-03241 (Beilstein Handbook Reference); AI3-01366; 1,2-Benzenedicarboxylic acid, bis(2-meth-oxyethyl) ester; Bis(methoxyethyl) phthalate; Bis(2-methoxyethyl) phthalate; BRN 2056929; Di-(2-Methoxyethyl) ester kyseliny ftalove; Di(2-meth-oxyethyl)phthalate; Dimethoxyethyl phthalate; Dimethyl cellosolve phthalate; Dimethylglycol phthalate; DMEP; EINECS 204-212-6; HSDB 5016; Kesscoflex MCP; Kodaflex® DMEP; Methox; 2-Methoxyethyl phthalate; Methyl glycol phthalate; NSC 2147; Phthalic acid, bis(2-methoxyethyl) ester; Phthalic acid, di(methoxyethyl) ester; Reomol P. A chemical bonding agent for cellulose acetate staple fiber. *CIBA plc.*

1350 Dimethoxymethane

109-87-5 6042 G H



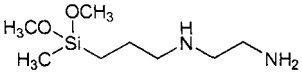
$C_3H_8O_2$

Methylene dimethyl ether.

AI3-16096; Anesthenyl; Bis(methoxy)methane; Dimeth-oxymethane; Dimethyl formal; 2,4-Dioxapentane; EINECS 203-714-2; Formal; Formaldehyde dimethyl-acetal; Formaldehyde methyl ketal; HSDB 1820; Methane, dimethoxy-; Methoxymethyl methyl ether; Methylal; Methylene dimethyl ether; Metylal; UN1234. Used as a solvent; in organic synthesis; perfumes, adhesives, protective coatings; special fuel. Liquid; mp = -104.8°; bp = 42°; d^{20} = 0.8593; soluble in H_2O (30 g/100 ml), very soluble in EtOH, Et_2O, Me_2CO, C_6H_6; LD_{50} (rbt orl) ■ 5708 mg/kg.

1351 N-(3-(Dimethoxymethylsilyl)propyl)-1,2-ethanediamine

3069-29-2 G



$C_8H_{22}N_2O_2Si$

N-(2-Aminoethyl)-3-aminopropylmethyldimethoxysilane.

3-(N-(β-Aminoethyl)amino)propylmethyldimethoxysilane; CA0699; N-(3-(Dimethoxymethylsilyl)propyl)ethylene-diamine; Dynasylan 1411; EINECS 221-336-6;. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

1352 Dimethoxy polyethylene glycol

24991-55-7 H

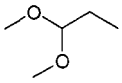
$(C_2H_4O)_n.C_2H_6O$

Poly(oxy-1,2-ethanediyl), α-methyl-ω-methoxy-.

Carpol CLE 1000; Dimethoxy polyethylene glycol; Genosorb 175; Genosorb 300; Glycols, polyethylene, dimethyl ether; Glyme-23; α,ω-Methoxypoly(ethylene oxide); α-Methyl-ω-methoxypoly(oxy-1,2-ethanediyl); Nissan Unisafe MM 400; Nissan Unisafe MM 1000; PEG-DME 2000; Poly(oxy-1,2-ethanediyl), α-methyl-ω-methoxy-; Polyethylene glycol dimethyl ether; Polyoxyethylene dimethyl ether; Sanfine DM 200; Sanfine DM 400; Sanfine DM 1000; Selexol; U-Nox DM 200; U-Nox DM 1000; Varonic DM 55.

1353 2,2-Dimethoxypropane

4744-10-9 G



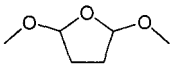
$C_5H_{12}O_2$

1,1-Dimethoxypropane.

AI3-28233; DMP; EINECS 225-258-3; Propanal dimethyl acetal; Propane, 1,1-dimethoxy-. Chemical intermediate for pharmaceuticals; dehydrating agent. Mobile liquid; bp = 87°. *Schering AG.*

1354 Dimethoxy tetrahydrofuran

696-59-3 G



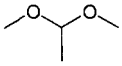
$C_6H_{12}O_3$

Tetrahydro-2,5-dimethoxyfuran.

AI3-61757; Dimethoxytetrahydrofuran; 2,5-Dimethoxy-tetrahydrofuran; EINECS 211-797-1; Furan, tetrahydro-2,5-dimethoxy-; NSC 7911; Protectol® DMT; Tetrahydro-2,5-dimethoxyfuran. Biocide used in disinfectants Liquid; mp ■ -45°; bp = 145.7°; d^{25} = 1.0200. *BASF Corp.; Bristol-Myers Squibb Co.; Fluka; Sigma-Aldrich Fine Chem.*

1355 Dimethylacetal

534-15-6 3253 H



$C_4H_{10}O_2$

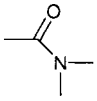
1,1-Dimethoxyethane.

4-01-00-03103 (Beilstein Handbook Reference); Acetaldehyde dimethyl acetal; Acetaldehyde methyl acetal; AI3-24137; BRN 1697039; 1,1-Dimethoxyethane; Dimethyl acetal; Dimethyl aldehyde; EINECS 208-589-8; Ethane, 1,1-dimethoxy-; Ethylidene dimethyl ether; FEMA No. 3426; HSDB 5427; Methyl formyl; UN2377. Liquid; mp = -113.2°; bp = 64.5°; d^{20} = 0.8501; λ_m = 290 nm; soluble in

H_2O, EtOH, Et_2O, CCl_4, $CHCl_3$; very soluble in Me_2CO.

1356 Dimethylacetamide

127-19-5 3254 H



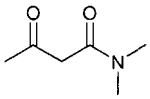
C_4H_9NO

N,N-Dimethylacetamide.

Acetamide, N,N-dimethyl-; Acetdimethylamide; Acetic acid, dimethylamide; Acetyldimethylamine; AI3-15276; CBC 510337; CCRIS 4623; Dimethyl acetamide; Dimethylamid kyseliny octove; *Dimethylamide* acetate; DMA; DMAc; EINECS 204-826-4; HSDB 74; NSC 3138; SK 7176; U-5954. Liquid; mp = -20°; bp = 165°; d^{25} = 0.9366; λ_m = 218 nm (ε = 1000, C_7H_{16}); freely soluble in H_2O, EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$.

1357 N,N-Dimethylacetoacetamide

2044-64-6 H



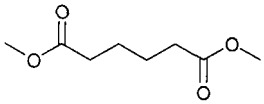
$C_6H_{11}NO_2$

N,N-Dimethyl-3-oxobutyramide.

4-04-00-00260 (Beilstein Handbook Reference); Acetoacetamide, N,N-dimethyl-; Acetylacetamide, N,N-dimethyl-; BRN 1755038; Butanamide, N,N-dimethyl-3-oxo-; Dimethylamid kyseliny acetoctove; EINECS 218-059-8; N,N-Dimethyl-3-oxobutanamide; N,N-Dimethyl-3-oxobutyramide; N,N-Dimethylacetoacetamide; NSC 524755.

1358 Dimethyl adipate

627-93-0 G H



$C_8H_{14}O_4$

Hexanedioic acid, dimethyl ester.

4-02-00-01959 (Beilstein Handbook Reference); Adipic acid, dimethyl ester; AI3-00668; BRN 1707443; DBE 6; Dimethyl adipate; Dimethyl hexanedioate; 1,6-Dimethylhexanedioate; Dimethyladipate; EINECS 211-020-6; Hexanedioic acid, dimethyl ester; HSDB 5021; Methyl adipate; NSC 11213. Used as a solvent and plasticizer. Liquid; mp = 10.3°; bp_{13} = 115°; d^{20} = 1.0600; insoluble in H_2O, soluble in EtOH, Et_2O, CCl_4, AcOH. *DuPont; Morflex; UCB SA.*

1359 Dimethylamine

124-40-3 3255 H

C_2H_7N

N,N-Dimethylamine.

AI3-15638-X; CCRIS 981; Dimethylamine; EINECS 204-697-4; HSDB 933; Methanamine, N-methyl-; N-Methylmethanamine; N,N-Dimethylamine; NSC 8650; RCRA waste number U092; UN1032; UN1160. Gas; mp = -92.2°; bp = 6.8°; d^0 = 0.6804; λ_m = 191, 222 nm (ε = 3236, 100, gas); soluble in EtOH, Et_2O, very soluble in H_2O.

1360 Dimethylamine hydrochloride

506-59-2 3255 G H

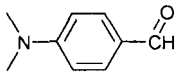
C_2H_8ClN

N-Methylmethanamine hydrochloride.

AI3-52357; Dimethylamine, hydrochloride; Dimethyl-ammonium chloride; EINECS 208-046-5; Hydrochloric acid dimethylamine; Methanamine, N-methyl-, hydro-chloride; N-Methylmethanamine hydrochloride. Used as a vulcanization accelerator and in manfacture of soaps. Crystals; mp = 160°; LD_{50} (rat orl) = 1070 mg/kg. *Janssen Chimica; Lancaster Synthesis Co.; Penta Mfg.*

1361 Dimethylaminobenzaldehyde

100-10-7 3257 G



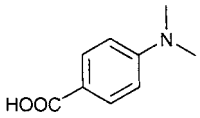
$C_9H_{11}NO$

4-Dimethylaminobenzaldehyde.

AI3-15337; Benzaldehyde, 4-(dimethylamino)-; Benz-aldehyde, p-(dimethylamino)-; p-(Dimethylamino)-benzaldehyde; 4-(Dimethylamino)benzaldehyde; 4-Di-methylaminobenzaldehyde; 4-Dimethylaminobenzene-carbonal; p-(N,N-Dimethylamino)benzaldehyde; N,N-Dimethyl-p-aminobenzaldehyde; Ehrlich's reagent; EINECS 202-819-0; NSC 5517; p-Formyl-N,N-dimethylaniline; p-Formyldimethylaniline; Reagens ehrlichovo. Used in manufacture of dyestuffs, as a reagent and in medicine. Leaflets; mp = 74.5°; bp_{17} = 176-177°; λ_m = 242, 340 nm (MeOH); soluble in H_2O (0.03 g/100 ml), $CHCl_3$, more soluble in EtOH, Et_2O, Me_2CO, C_6H_6. *Aceto Corp.; BASF Corp.; Lancaster Synthesis Co.; Penta Mfg.*

1362 4-(Dimethylamino)benzoic acid

619-84-1 3259 G



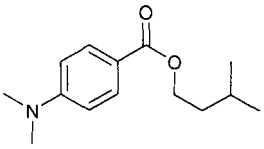
$C_9H_{11}NO_2$

N,N-Dimethyl-p-aminobenzoic acid.

Benzoic acid, 4-(dimethylamino)-; Benzoic acid, p-(dimethylamino)-; EINECS 210-615-8; 4-(Dimethyl-amino)benzoic acid; 4-Dimethylaminobenzoic acid; p-Dimethylamino benzoic acid; p-N,N-(Dimethyl-amino)benzoic acid; N,N-Dimethyl-4-aminobenzoic acid; NSC 16596; Solarchem® O. Esters used as ultraviolet screens. Needles; mp = 242.5°; λ_m = 308 nm (ε = 25119, EtOH); slightly soluble in Et_2O, soluble in EtOH. *CasChem; ISP Van Dyk Inc.; Lipo.*

1363 4-(Dimethylamino)benzoic acid 3-methyl-butyl ester

21245-01-2 3259 G



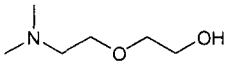
$C_{14}H_{21}NO_2$

4-(Dimethylamino)benzoic acid isoamyl ester.

Benzoic acid, 4-(dimethylamino)-, 3-methylbutyl ester; EINECS 244-288-8; Escalol® 506; Escalol® 507; Isoamyl-p-N, N-dimethylaminobenzoate; Padimate; Padimate A; Padimate O; Padimato; Padimatum; Solarchem® OSpectraban. Isoamyl-p-N,N-dimethylaminobenzoate in ethanol; a lotion used to protect skin from UV light. A PABA derivative that is used as a sun-screening agent. Of the PABA group it is the most commonly used agent in sunscreens marketed in the US. It is also used in cosmetics for skin, hair, and nails such as moisturizers and lipsticks and lip balms. *CasChem; Lipo; Stiefel Labs Inc.; Van Dyk.*

1364 Dimethylaminoethoxyethanol

1704-62-7 G H



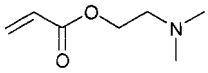
$C_6H_{15}NO_2$

2-(2-(Dimethylamino)ethoxy)ethanol.

3-04-00-00648 (Beilstein Handbook Reference); AI3-18588; BRN 1209271; Dimethylaminoethoxyethanol; 2-(2-Dimethylaminoethoxy)ethanol; N,N-Dimethyl-diglycolamine; EINECS 216-940-1; Ethanol, 2-(2-(dimethylamino)ethoxy)-; NSC 3146; Texacat® ZR-70. Catalyst for polyurethane molded high resilience flexible foam, ether slabstock, packaging foam. *Texaco.*

1365 Dimethylaminoethyl acrylate

2439-35-2 G H



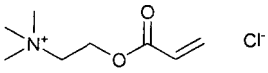
$C_7H_{13}NO_2$

2-Propenoic acid, 2-(dimethylamino)ethyl ester.

4-04-00-01431 (Beilstein Handbook Reference); Acrylic acid, 2-(dimethylamino)ethyl ester; Adame; Ageflex FA-1; AI3-08751; BRN 1099119; CCRIS 4797; Dimethyl-aminoethyl acrylate; 2-(Dimethylamino)ethyl acrylate; EINECS 219-460-0; NSC 20952; 2-Propenoic acid, 2-(dimethylamino)ethyl ester. Adhesion promoter in UV- and EB-cured coatings for metals, plastic, paper and wood surfaces. Catalyst for epoxy molding and extrusion resins, intermediate for water treatment chemicals, quaternary monomers; silane coupling agents, conductive paper coatings. Liquid; mp < -60°; bp50 = 94°; d_{20}^{20} = 0.940; insoluble in H_2O, slightly soluble in organic solvents. *Rit-Chem; TIC Gums.*

1366 2-(Dimethylamino)ethyl acrylate metho-chloride

44992-01-0 G H



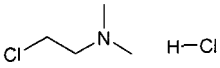
$C_8H_{16}ClNO_2$

Ethanaminium, N,N,N-trimethyl-2-((1-oxo-2-propenyl)-oxy)-, chloride.

(2-(Acryloyloxy)ethyl)trimethylammonium chloride; ADAMQUAT 80 MC; Ageflex FA-1Q75MC; 2-(Dimethylamino)ethyl acrylate methochloride; EINECS 256-176-6; Ethanaminium, 2-((1-oxo-2-propenyl)oxy)-N,N,N-trimethyl-, chloride; 2-((1-Oxo-2-propenyl)oxy)-N,N,N-trimethylethanaminium chloride. Quaternary antistatic finish for polyester fibers, flocculant and coagulant for industrial process water treatment, flocculant for mineral recovery, ion exchange resins, adhesives, acid dye receptivity, electrostatic coatings on wodd, retention aids for paper. *Rit-Chem.*

1367 Dimethylaminoethyl chloride hydro-chloride

4584-46-7 G



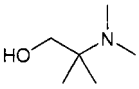
$C_4H_{11}Cl_2N$

1-Chloro-2-dimethylaminoethane hydrochloride.

AI3-22778; Bis(methyl)-2-chloroethylamine hydro-chloride; (β-Chloroethyl)dimethylamine hydrochloride; (2-Chloroethyl)dimethylamine, hydrochloride; 2-Chloro-N,N-dimethylethylamine hydrochloride; Chloro(dimethyl-amino)ethane hydrochloride; 1-Chloro-2-(dimethyl-amino)ethane hydrochloride; 2-Chloroethyl dimethyl ammonium chloride; 2-Chloroethyldimethylammonium chloride; Dimethyl-β-chloroethylamine hydrochloride; Dimethyl(2-chloroethyl)amine hydrochloride; 2-Dimethylaminochloroethane hydrochloride; Dimethyl-aminoethyl chloride hydrochloride; 2-(Dimethyl-amino)ethyl chloride hydrochloride; DMC; EINECS 224-970-1; Ethanamine, 2-chloro-N,N-dimethyl-, hydro-chloride; N-(2-Chloroethyl)-N,N-dimethylammonium chloride; N,N-Dimethyl-2-chloroethylamine hydro-chloride; N,N-Dimethyl-N-(2-chloroethyl)amine hydro-chloride; NSC 1917; NSC 111230. Used in the manufacture of antihistamines and other pharmaceuticals; organic intermediate for introduction of β-dimethylaminoethyl radical. Crystals; mp = 199°, 205-208°; slightly soluble in H_2O; irritant. *ICI Spec.; Janssen Chimica; Lancaster Synthesis Co.; Lonzagroup; Sigma-Aldrich Fine Chem.*

1368 2-Dimethylamino-2-methyl-1-propanol

7005-47-2 G



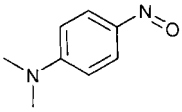
$C_6H_{15}NO$

2-Dimethylamino-2-methyl-1-propanol.

4-04-00-01740 (Beilstein Handbook Reference); AI3-28043; BRN 1732837; 2-(Dimethylamino)-2-methyl-propanol; 2-(Dimethylamino)-2-methylpropan-1-ol; 2-(N,N-Dimethylamino)-2-methyl-1-propanol; DMAMP; DMAMP-80; EINECS 230-279-6; NSC 17706; 1-Propanol, 2-(dimethylamino)-2-methyl-; USAF CS-1. Amine solubilizer for resins in aqueous coatings; emulsifier for waxes; vapor-phase corrosion inhibitor; urethane catalyst; titanate solubilizer raw material for synthesis. Liquid; mp = 19°. *Angus.*

1369 p-(Dimethylamino)nitrosobenzene

138-89-6 6672 G



$C_8H_{10}N_2O$

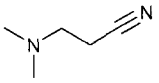
p-Nitroso-N,N-dimethylaniline.

4-12-00-01558 (Beilstein Handbook Reference); Accelerine; AI3-15393; Aniline, N,N-dimethyl-p-nitroso-; Benzenamine, N,N-

dimethyl-4-nitroso-; BRN 0607293; CCRIS 3057; p-(N,N-Dimethylamino)nitrosobenzene; N,N-Dimethyl-4-nitrosobenzenamine; N,N-Dimethyl-4-nitrosoaniline; N,N-Dimethyl-p-nitrosoaniline; Dimethyl-(p-nitrosophenyl)amine; 4-(Dimethylamino)-nitroso-benzene; EINECS 205-343-1; HSDB 1320; NCI-C01821; NDMA; 4-Nitrosodimethylaniline; 4-Nitroso-N,N-di-methylaniline; p-Nitroso-N,N-dimethylaniline; p-Nitroso-dimethylaniline; p-Nitrosodimethylanilide; Paranitrosodi-methylanilide; NSC 2775; Ultra Brilliant Blue P; UN1369; Vulcaniline. An intermediate for dyes. Also used as an accelerator in vulcanizing. Solid; mp = 92.5°; d^{20} = 1.145; λ_m = 273 nm (MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, formamide.

1370 Dimethylaminopropionitrile

1738-25-6 H



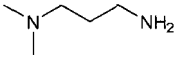
$C_5H_{10}N_2$

3-(N,N-Dimethylamino)propionitrile.

4-04-00-02533 (Beilstein Handbook Reference); AI3-25451; BRN 0773779; Dimethylaminopropionitrile; N,N-(Dimethylamino)-3-propionitrile; Dmapn; EINECS 217-090-4; HSDB 5029; NSC 232; Propanenitrile, 3-(dimethylamino)-; Propionitrile, 3-(dimethylamino)-. Liquid; bp = 173°; d^{20} = 0.8705.

1371 γ-(Dimethylamino)propylamine

109-55-7 H



$C_5H_{14}N_2$

3-Dimethylaminopropylamine.

4-04-00-01259 (Beilstein Handbook Reference); AI3-25441; 1-Amino-3-dimethylaminopropane; BRN 0605293; CCRIS 4799; EINECS 203-680-9; HSDB 5391; 1-(Dimethylamino)-3-aminopropane; 3-(Dimethylamino)-propylamine; γ-(Dimethylamino)propylamine; N,N-Di-methyl-1,3-diaminopropane; NSC 1067; 1,3-Propane-diamine, N,N-dimethyl-; Propylamine, 3-(N,N-dimethyl-amino)-.

1372 Dimethylaminotrimethylsilane

2083-91-2 G

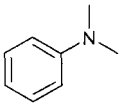
$C_5H_{15}NSi$

N,N-Dimethylaminotrimethylsilane.

CD5400; EINECS 218-222-3; Pentamethylsilylamine; Silanamine, pentamethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 84°; d^{20} = 0.7400. *Degussa-Hüls Corp.*

1373 Dimethylaniline

121-69-7 3261 H



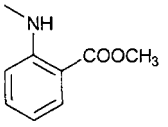
$C_8H_{11}N$

N,N-Dimethylaniline.

AI3-17284; Aniline, N,N-dimethyl-; Benzenamine, N,N-dimethyl-; CCRIS 2381; Dimethylaniline; N,N-Dimethylaniline; Dwumetyloanilina; EINECS 204-493-5; HSDB 1179; NCI-C56428; NL 63-10P; NSC 7195; UN2253; Versneller NL 63/10. Pale yellow liquid; mp = 2.4°; bp = 194.1°; d^{20} = 0.9557; λ_m = 251, 298 nm (ε = 11600, 2290, MeOH); slightly soluble in H_2O; soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, very soluble in $CHCl_3$.

1374 Dimethyl anthranilate

85-91-6 G



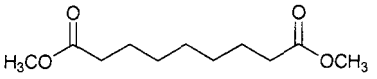
$C_9H_{11}NO_2$

2-Methylamino methyl benzoate.

4-14-00-01016 (Beilstein Handbook Reference); AI3-03340; Anthranilic acid, N-methyl-, methyl ester; Benzoic acid, 2-(methylamino)-, methyl ester; BRN 0607217; CCRIS 2846; Dimethyl anthranilate; EINECS 201-642-6; FEMA No. 2718; HSDB 2784; 2-Methylaminomethyl benzoate; N-Methylanthranilic acid, methyl ester; Methyl 2-(methylamino)benzoate; Methyl methanthranilate; Methyl methylaminobenzoate; Methyl methylanthranilate; Methyl N-methyl anthranilate; Methyl o-(methylamino)benzoate; NSC 9406. Used in perfumes, flavoring, drugs. Crystals; mp = 19°; bp = 255°; d^{15} = 1.120; λ_m = 220, 252 nm (cyclohexane); insoluble in H_2O, soluble in organic solvents. *Am. Bio-Synthetics; Bell F & F; Penta Mfg.*

1375 Dimethyl azelate

1732-10-1 G



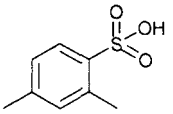
$C_{11}H_{20}O_4$

Nonanedioic acid dimethyl ester.

AI3-06080; Azelaic acid dimethyl ester; Dimethyl azelate; Dimethyl nonanedioate; EINECS 217-060-0; Emery® 2914; Methyl azelate; Nonanedioic acid, dimethyl ester; NSC 59040. Synthetic lubricant. Liquid; mp = -0.8°; bp_{20} = 156°; d^{20} = 1.0082; insoluble in H_2O, soluble in EtOH, Me_2CO, C_6H_6, CCl_4. *Henkel/Emery.*

1376 Dimethylbenzenesulfonic acid

25321-41-9 H



$C_8H_{10}O_3S$

Xylenesulfonic acids.

Benzenesulfonic acid, dimethyl-; Dimethylbenzene-sulfonic acid; EINECS 246-839-8; Xylene sulfonic acid; Xylenesulphonic acid. Mixture of o, m and p-isomers.

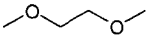
1377 Dimethyl benzyl hydrogenated tallow ammonium chloride

61789-72-8 H

Quaternary ammonium compounds, benzyl(hydrogen-ated tallowalkyl)dimethyl, chlorides.
Dimethyl benzyl hydrogenated tallow ammonium chloride; EINECS 263-081-3; Quaternary ammonium compounds, benzyl(hydrogenated tallowalkyl)dimethyl, chlorides.

1378 Dimethyl cellosolve

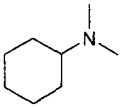
110-71-4 3251 G H



$C_4H_{10}O_2$
1,2-Dimethoxyethane.
4-01-00-02376 (Beilstein Handbook Reference); AI3-61007; Ansol E-121; Ansul ether 121; BRN 1209237; 1,2-Dimethoxyethane; Dimethyl Cellosolve; DME (glycol ether); 2,5-Dioxahexane; Egdme; EINECS 203-794-9; Ethane, 1,2-dimethoxy-; 1,2-Ethanediol dimethyl ether; Ethylene dimethyl ether; Ethylene glycol dimethyl ether; Glycol dimethyl ether; Glyme; Hisolve MMM; HSDB 73; Monoethylene glycol dimethyl ether; Monoglyme; NSC 60542; UN2252. Used as a general purpose solvent. Liquid; mp = -58°; bp = 85°; d^{20} = 0.8691; soluble in H_2O, EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, $CHCl_3$. *BASF Corp.*

1379 N,N-Dimethylcyclohexylamine

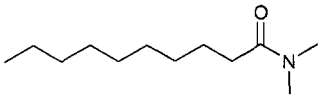
98-94-2 H



$C_8H_{17}N$
Cyclohexylamine, N,N-dimethyl.
4-12-00-00018 (Beilstein Handbook Reference); BRN 1919922; Cyclohexanamine, N,N-dimethyl-; N-Cyclo-hexyldimethylamine; Cyclohexyldimethylamine; N,N-Dimethylaminocyclohexane; Dimethylcyclo-hexyl-amine; N,N-Dimethyl-N-cyclohexylamine; EINECS 202-715-5; HSDB 5323; NSC 163904; Polycat 8; UN2264. Liquid; bp = 162°.

1380 N,N-Dimethyldecanamide

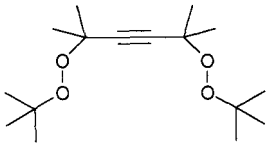
14433-76-2 H



$C_{12}H_{25}NO$
N,N-Dimethyldecan-1-amide.
AI3-34960; BRN 1906042; Decanamide, N,N-dimethyl-; EINECS 238-405-1; N,N-Dimethylcapramide; N,N-Dimethylcapylamide; N,N-Dimethyldecanamide; N,N-Dimethyldecan-1-amide; N,N-Dimethyldecanoamide; NSC 131411.

1381 2,5-Dimethyl-2,5-di(t-butylperoxy)hexyne-3

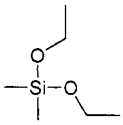
1068-27-5 G



$C_{16}H_{30}O_4$
(1,1,4,4-tetramethyl-2-butyne-1,4-diyl)bis((1,1-dimethylethyl) peroxide.
4-01-00-02701 (Beilstein Handbook Reference); Aztec® 2,5-Tri; BRN 1711920; 2,5-Dimethyl-2,5-di(t-butyl-peroxy)hexyne-3; Di-t-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide; EINECS 213-944-5; 3-Hexyne, 2,5-dimethyl-2,5-di(t-butylperoxy)-; Polyvel CR-L10. Initiator and additive for roto molding and crosslinking. *Catalyst Resources Inc.; Polyvel.*

1382 Dimethyldiethoxy silane

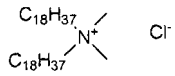
78-62-6 G



$C_6H_{16}O_2Si$
Diethoxydimethylsilane.
4-04-00-04101 (Beilstein Handbook Reference); BRN 1736110; CCRIS 1321; CD5600; Diethoxy(dimethyl)-silane; Diethoxydimethylsilane; Dimethyl-diethoxysilan; Dimethyldiethoxysilane; Dimethylsilicondiethoxide; EINECS 201-127-6; EXP-49; KBE 22; NSC 77085; Silane, diethoxydimethyl-; UN2380. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Intermediate for blocking hydroxyl and amino groups in organic synthesis reactions; also for preparing hydrophobic and release materials and enhancing flow of powders. Liquid; mp = -87°; bp = 114°; d^{25} = 0.8650; LD_{50} (rat orl) = 9280 mg/kg. *Degussa-Hüls Corp.; Genesee Polymers.*

1383 Dimethyldioctadecylammonium chloride

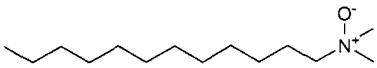
107-64-2 G H



$C_{38}H_{80}ClN$
Di-n-octadecyldimethylammonium chloride.
Adogen® TA 100; Aliquat 207; Ammonium, dimethyldioctadecyl-, chloride; Ammonyx 2200P100; Arosurf TA 100; Arquad 218-100; Arquad 218-100P; Arquad R 40; CA 3475; Cation DS; Cedequat TD 75; Dehyquart DAM; Di-n-octadecyldimethylammonium chloride; Dimethyl dioctadecyl ammonium chloride; Dimethyldistearylammonium chloride; N,N-Dimethyl-N-octadecyl-1-octadecanaminium chloride; N,N-Diocta-decyl-N,N-dimethylammonium chloride; Distearyldi-methylammonium chloride; Distearyldimonium chloride; DODA(Cl); DODAC; EINECS 203-508-2; Genamin DSAC; HSDB 5380; KD 83; Kemamine Q 9702CLP; NSC 61374; 1-Octadecanaminium, N,N-dimethyl-N-octa-decyl-, chloride; Prepagen WK; Q-D 86P; Quartamin D 86; Quartamin DM 86P; Quaternium 5; Sokalan 9200; Sumquat® 6045; Surfroyal DSAC; Talofloc; Varisoft 100; Varisoft TA 100. Textile softener producing very slick cationic hand and maximum softness. Good non-yellowing and high absorbency, can replace wax in sizing formulations. Used as a conditioner, anti-stat and softener. A cationic detergent and antiseptic. Also used as a laboratory reagent. *Hexcel; Hoechst AG; Sherex.*

1384 Dimethyldodecylamine N-oxide

1643-20-5 G H



$C_{14}H_{31}NO$
N,N-Dimethyl-1-dodecanamine-N-oxide.
4-04-00-00798 (Beilstein Handbook Reference); Ablumox LO; Ammonyx® AO; Ammonyx® LO; Aromox DMCD; Aromox dmmc-W; BRN 1769927; Conco XAL; DDNO; Dimethylaurylamine oxide; Dimethyldodecylamine N-oxide; Dimethyldodecylamine oxide; EINECS 216-700-6; Empigen® OB; HSDB 5451; Lauramine oxide; Oxyde de dimethyllaurylamine; Refan; Rhodamox® LO. Foamer/foam stabilizer, wetting agent, viscosity builder, grease emulsifier for shampoos, bath products, fine fabric cleaners, hard surface cleaners containing acids or bleach, dishwash, shaving creams, lotions; textile lubricant, emulsifier, dye dispersant. Detergent, antistat, foam booster/stabilizer and viscosity modifier for personal care products, surgical scrubs, fire fighting foam concentrates, foamed rubbers, bleach additive; solubilizer. Foaming agent/stabilizer, thickener, emollient for shampoos, bath products, dishwash, fine fabric detergents, shaving creams, lotions, textile softeners, foam rubber, in electroplating, paper coatings; used in toiletries for mildness. Solid; mp = 130-131°; LD_{50} (rat orl)= 1000 mg/kg. *Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; Rhône Poulenc Surfactants; Rhône-Poulenc; Stepan Canada; Stepan; Taiwan Surfactants.*

1385 Dimethyl ether

115-10-6 6096 G H

C_2H_6O
Dimethyl oxide.
Demeon D; Dimethyl ether; DME; Dymel A; EINECS 204-065-8; Ether, dimethyl; Ether, methyl; HSDB 354; Methane, oxybis-; Methoxymethane; Methyl ether; Methyl oxide; Oxybismethane; UN1033; Wood ether. Used as a solvent, motor fuel and Aerosol® propellant, in refrigerants, as an extraction agent, a catalyst and stabilizer in polymerization. Gas; mp = -141.5°; bp = -24.8°; λ_m = 163, 184 nm (ε = 3981, 2512, gas); slightly soluble in C_6H_6, soluble in H_2O, EtOH, Et_2O, Me_2CO.

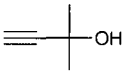
1386 Dimethylethylamine

598-56-1 G H

$C_4H_{11}N$
N,N-Dimethylethylamine.
AI3-52225; Dimethylethylamine; N,N-Dimethylethyl-amine; EINECS 209-940-8; Ethanamine, N,N-dimethyl-; Ethylamine, N,N-dimethyl-; Ethyldimethylamine; N-Ethyldimethylamine; HSDB 5712; Methanamine, N-ethyl-N-methyl-. Used in chemical synthesis. Liquid; mp = -140°; bp = 36.5°; d^{20} = 0.675.

1387 Dimethylethynylmethanol

115-19-5 6061 G H



C_5H_8O
2-Methyl-3-butyn-2-ol.
4-01-00-02229 (Beilstein Handbook Reference); AI3-23121; BRN 0635746; 1-Butyn-3-ol, 3-methyl-; 3-Butyn-2-ol, 2-methyl-; Carbavane; Dimethylacetylenecarbinol; Dimethylacetylenylcarbinol; Dimethylethynylcarbinol; Dimethylethynylmethanol; α,α-Dimethylpropargyl alcohol; EINECS 204-070-5; Ethynyldimethylcarbinol; 2-Methyl-2-butynol; 2-Methyl-3-butyn-2-ol; 2-Methylbut-3-yn-2-ol; NSC 523. Corrosion inhibitor; reactive intermediate in manufacture of pharmaceuticals, plastics, rubbers, fragrances, agriculture. Used as solvent, acid inhibitor, viscosity reducer, and stabilizer in vinyl plastisols, platinum catalyst blocker for silicones. Liquid; mp = 1.5°; bp = 104°; d^{20} = 0.8618; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 1950 mg/kg. *Air Prods & Chems; BASF Corp.*

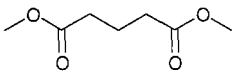
1388 Dimethylformamide

68-12-2 3269 G H

C_3H_7NO
Formamide, N,N-dimethyl-.
AI3-03311; Caswell No. 366A; CCRIS 1638; Dimethyl formamide; Dimethylamid kyseliny mravenci; Di-methylformamid; Dimethylformamide; N,N-Dimethyl-methanamide; N,N-Dimetilformamida; Dimetilform-amide; Dimetylformamidu; DMF; DMFA; Dwumetylo-formamid; EINECS 200-679-5; EPA Pesticide Chemical Code 366200; Formamide, N,N-dimethyl-; Formic acid, amide, N,N-dimethyl-; N-Formyldimethylamine; HSDB 78; NCI-C60913; NSC 5356; U-4224; UN2265. Used as a solvent in vinyl resins and acetylene, butadiene, acid gases; polyacrylic fibers; catalyst in carboxylation reactions, organic synthesis; carrier for gases; chemical reagent. Liquid; mp = -60.4°; bp = 153°; d^{25} = 0.944; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 7600 mg/kg, (mus orl) = 6800 mg/kg, (rat ip) = 4700 mg/kg, (mus ip) = 6200 mg/kg. *Aceto Corp.; Air Products & Chemicals Inc.; Ashland; Baker J. T.; BASF Corp.; Brown Chem. Co.; Browning; Chemcentral; Coyne; E. I. DuPont de Nemours Inc.; ICI Spec.; Mallinckrodt Inc.; Mitsubishi Gas; Sigma-Aldrich Fine Chem.*

1389 Dimethyl glutarate

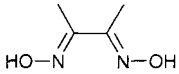
1119-40-0 H



$C_7H_{12}O_4$
Glutaric acid, dimethyl ester.
AI3-06026; DBE 5; Dimethyl glutarate; Dimethyl pentanedioate; EINECS 214-277-2; Glutaric acid, dimethyl ester; HSDB 5789; NSC 58578; Pentanedioic acid, dimethyl ester. Liquid; mp = -42.5°; bp = 214°, bp_{21} = 109°; d^{20} = 1.0876; soluble in $CHCl_3$, very soluble in EtOH, Et_2O.

1390 Dimethylglyoxime

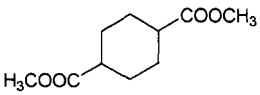
95-45-4 3272 G



$C_4H_8N_2O_2$
2,3-Butanedionedioxime.
3-01-00-03105 (Beilstein Handbook Reference); AI3-14925; Biacetyl dioxime; BRN 0506731; Butanedione dioxime; 2,3-Butanedione, dioxime; Chugaev's reagent; Diacetyldioxime; 2,3-Diisonitrosobutane; Dimethyl-glyoxime; EINECS 202-420-1; Glyoxime, dimethyl-; NSC 9. Used in analytical chemistry, especially as a reagent for nickel; also used in biochemical research. Crystals; mp = 238-240°; insoluble in H_2O, soluble in organic solvents. *Alcoa Ind. Chem.; Pfalz & Bauer.*

1391 Dimethyl hexahydroterephthalate

94-60-0 H



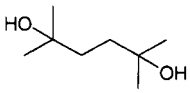
$C_{10}H_{16}O_4$

1,4-Cyclohexanedicarboxylic acid, dimethyl ester.

AI3-28580; 1,4-Cyclohexanedicarboxylic acid, dimethyl ester; Dimethyl 1,4-cyclohexanedicarboxylate; Dimethyl cyclohexane-1,4-dicarboxylate; Dimethyl hexahydro-terephthalate; EINECS 202-347-5; HSDB 5284.

1392 Dimethylhexanediol

110-03-2 H



$C_8H_{18}O_2$

2,5-Dimethyl-2,5-hexanediol.

AI3-20685; Dimethylhexanediol; 2,5-Dimethyl-2,5-hexanediol; 2,5-Dimethylhexane-2,5-diol; EINECS 203-731-5; 2,5-Hexanediol, 2,5-dimethyl-; HSDB 5395; NSC 5595; 1,1,4,4-Tetramethyl-1,4-butanediol. Prisms; mp = 92°; bp = 214°; d^{20} = 0.898; soluble in H_2O, very soluble in EtOH, C_6H_6, $CHCl_3$.

1393 Dimethylhexynediol

142-30-3 H

$C_8H_{14}O_2$

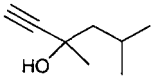
2,5-Dimethyl-3-hexyne-2,5-diol.

Acetylenepinacol; AI3-14500; D 43; D 43 (VAN); Dimethylhexynediol; 2,5-Dimethyl-3-hexyne-2,5-diol; EINECS 205-533-4; 3-Hexyne-2,5-diol, 2,5-dimethyl-; HSDB 5639; Kemitracin-50; NSC 117261; Olfine Y; Tetramethyl-2-butynediol; Tetramethylbutynediol.

Crystals; mp = 95°; bp = 205°; d^{20} = 0.947; soluble in H_2O, $CHCl_3$, very soluble in C_6H_6, EtOH, Et_2O, Me_2CO.

1394 3,5-Dimethyl 1-hexyn-3-ol

107-54-0 G



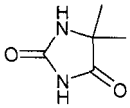
$C_8H_{14}O$

3,5-Dimethylhex-1-yn-3-ol.

AI3-23126; 3,5-Dimethyl-1-hexyn-3-ol; EINECS 203-500-9; 1-Hexyn-3-ol, 3,5-dimethyl-; NSC 978; Surfynol®; Surfynol® 61. Surfactant, wetting agent used for paper coatings, inks, floor polishes, and glass cleaning formulations; cleaner in silicon wafer industry. bp = 150°; d= 0.859; n_D^{20} = 1.4340. *Air Products & Chemicals Inc.*

1395 Dimethylhydantoin

77-71-4 G H



$C_5H_8N_2O_2$

5,5-Dimethyl- 2,4-Imidazolidinedione.

5-24-05-00348 (Beilstein Handbook Reference); AI3-61127; BRN 0002827; Dantoin 736; Dantoin DMH; Dimethylhydantoin; DM Hydantoin; DMH; EINECS 201-051-3; HSDB 5216; Hydantoin, 5,5-dimethyl-; NSC 8652; T10. Intermediate for textiles and other applications. Prisms; mp = 178°; soluble in H_2O and organic solvents; λ_m = 219 (ε 6607 EtOH/KOH). *Great Lakes Fine Chem.; Janssen Chimica; Lonzagroup.*

1396 Dimethyl hydrogenated tallowamine

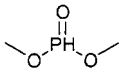
61788-95-2 H

Amines, (hydrogenated tallow alkyl)dimethyl.

Amines, (hydrogenated tallow alkyl)dimethyl; Dimethyl hydrogenated tallowamine; EINECS 263-022-1; Hydrogenated tallow dimethyl amine.

1397 Dimethyl hydrogen phosphite

868-85-9 H



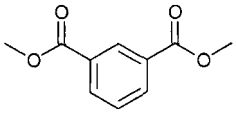
$C_2H_7O_3P$

Dimethoxyphosphine oxide.

Bis(hydroxymethyl)phosphine oxide; CCRIS 1354; Dimethoxyphosphine oxide; Dimethyl acid phosphite; Dimethyl hydrogen phosphite; Dimethyl hydrogen phosphonate; Dimethyl phosphite; Dimethyl phosphonate; Dimethylester kyseliny fosforite; Dimethylfosfit; Dimethylfosfonat; Dimethylhydrogen-phosphite; EINECS 212-783-8; HSDB 2593; Hydrogen dimethyl phosphite; Methyl phosphonate ($(MeO)_2HPO$); NCI-C54773; Phosphonic acid, dimethyl ester. Liquid; bp = 170.5°; d^{20} = 1.2002; slightly soluble in CCl_4, soluble in EtOH, C_5H_5N.

1398 Dimethyl isophthalate

1459-93-4 G H



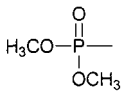
$C_{10}H_{10}O_4$

1,3-Benzenedicarboxylic acid, dimethyl ester.

4-09-00-03293 (Beilstein Handbook Reference); AI3-02247; BRN 1912251; Dimethyl 1,3-benzenedi-carboxylate; Dimethyl isophthalate; Dimethyl m-phthalate; Dimethylester kyseliny isoftalove; EINECS 215-951-9; HSDB 6138; Isophthalic acid dimethyl ester; Methyl 3-(carbomethoxy)benzoate; Methyl isophthalate; Morflex 1129; NSC 15313; Uniplex 270. Chemical intermediate in the synthesis of polyesters. Used as a plasticizer, modifies clarity and melting point of PET resins used in films, blow-molded bottles, and similar products. Needles; mp = 67.5°; bp = 282°; d^{20} = 1.194; λ_m = 280, 288 nm (MeOH); slightly soluble in H_2O. *Morflex; Unitex.*

1399 Dimethyl methylphosphonate

756-79-6 3425 G H



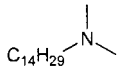
$C_3H_9O_3P$

Methanephosphonic acid dimethyl ester.

4-04-00-03499 (Beilstein Handbook Reference); AI3-08678; BRN 0878263; CCRIS 876; Dimethoxymethyl-phosphine oxide; Dimethyl methanephosphonate; Di-methyl methylphosphonate; DMMP; EINECS 212-052-3; Fyrol® DMMP; HSDB 2590; Methyl phosphonic acid, dimethyl ester; NCI-C54762; NSC 62240; Phosphonic acid, methyl-, dimethyl ester; Pyrol dmmp. Flame retardant for applications where high phosphorus content, good solvency, and low viscosity are desired; lowers viscosity of epoxy resins and unsaturated polyesters filled with hydrated alumina oxide. Liquid; bp = 181°, bp_{20} = 79.5°; d^{30} = 1.4099; λ_m = 217 nm (ε = 13, EtOH); soluble in H_2O, Et_2O, EtOH; LD_{50} (rat orl) > 5000 mg/kg. *Akzo Chemie.*

1400 Dimethyl myristamine

112-75-4 G H



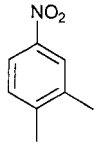
$C_{16}H_{35}N$

N,N-Dimethyltetradecanamine.

Adma® 14; Armeen® DM 14D; Dimethyl myristamine; Dimethyl-n-tetradecylamine; Dimethyltetradecylamine; N,N-Dimethyltetradecylamine; EINECS 204-002-4; Genamin 14R302D; HSDB 2785; IPL 30; Myristyl dimethyl amine; NSC 78319; Onamine 14; 1-Tetradecanamine, N,N-dimethyl-; Tetradecylamine, N,N-dimethyl-; Tetradecyldimethylamine. Intermediate in the manufacture of surfactants, antioxidants, oil and grease additives. *Asahi Denka Kogyo.*

1401 1,2-Dimethyl-4-nitrobenzene

99-51-4 H



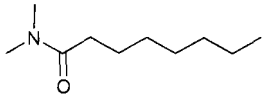
$C_8H_9NO_2$

Benzene, 1,2-dimethyl-4-nitro-.

Benzene, 1,2-dimethyl-4-nitro-; CCRIS 3118; EINECS 202-761-6; HSDB 5324; NSC 66555; 4-Nitro-o-xylene; p-Nitro-o-xylene; para-Nitro-ortho-xylene; o-Xylene, 4-nitro-. Crystals; mp = 30.5°; bp = 251°, bp_{21} = 143°; d^{15} = 1.112; λ_m ▪ 215 nm (ε = 13183, EtOH), 211 nm (ε ▪ 15136 C_6H_{14}); insoluble in H_2O, freely soluble in EtOH.

1402 Dimethyloctanamide

1118-92-9 H



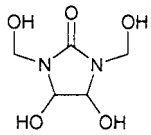
$C_{10}H_{21}NO$

N,N-Dimethyl-n-octanamide.

3-04-00-00128 (Beilstein Handbook Reference); AI3-26660; BRN 1754903; EINECS 214-272-5; N,N-Dimethylcaprylamide; N,N-Dimethyloctanamide; N,N-Dimethyl-n-octanamide; Octanamide, N,N-dimethyl-.

1403 Dimethylol dihydroxyethyleneurea

1854-26-8 H



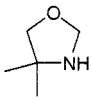
$C_5H_{10}N_2O_5$

4,5-Dihydroxy-1,3-bis(hydroxymethyl)imidazolidin-2-one.

5-25-02-00369 (Beilstein Handbook Reference); Arkofix; Arkofix NG; BRN 0881343; Cassurit LR; CCRIS 4804; Depremol G; 4,5-Dihydroxy-1,3-bis(hydroxymethyl)-imidazolidin-2-one; 4,5-Dihydroxy-1,3-bis(hydroxy-methyl)-2-imidazolidinone; Dimethylol dihydroxy-ethyleneurea; Dimethyloldihydroxyethyleneurea; Di-methyloldihydroxyethylene urea; N,N'-Dimethylol-4,5-dihydroxyethyleneurea; Dimethylolglyoxalurea; N,N'-Dimethylolglyoxal monoureine; Dmdheu; EINECS 217-451-6; Firmatex RK; Fixapret CP; Fixapret CP 40; Fixapret CPK; Fixapret CPN; Fixapret CPNS; HSDB 4358; Hylite LF; 2-Imidazolidinone, 1,3-bis(hydroxymethyl)-4,5-dihydroxy-; 2-Imidazolidinone, 4,5-dihydroxy-1,3-bis(hydroxymethyl)-; Knittex LE; NCI-C60322; Neuperm GFN; NS 11; Permafresh 113B; Permafresh 183; Permafresh LF; Permafresh LH; Permafresh LKS; Protocol C; PROX DW; Readpret KPN; Reapret KPN; Sarcoset GM; Sumitex FSK; Sumitex NS; Sumitex NS 1 SPE; Sumitex NS 2; Verapret DH; Verapret DKh; WNM.

1404 Dimethyloxazolidine

51200-87-4 G



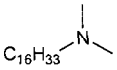
$C_5H_{11}NO$

4,4-dimethyl oxazolidine.

Amine CS-1135®; Bioban CS-1135; BRN 0969276; Canguard® 327; Caswell No. 374AB; Cosan 101; Dimethyl-1-oxa-3-aza-cyclopentane; Dimethyloxazolid-ine; Dimethyl oxazolidine; 4,4-Dimethyloxazolidine; 4,4-Dimethyl-1,3-oxazolidine; EINECS 257-048-2; EPA Pesticide Chemical Code 114801; Nuosept 101; Oxaban®-A; Oxadine A; Oxazolidine, 4,4-dimethyl-; Oxazolidine A; Troysan 192. Cosmetic preservative, antimicrobial, emulsifying amine, corrosion inhibitor, alkaline pH stabilizer; for metalworking fluids and aqueous systems. A preservative used in cooling fluids and paints. Bioban CS 1135 is a preservative used in cooling fluids and paints. In-can preservative for water-containing systems, e.g., latex paint, resin emulsions, caulks, adhesives; broad spectrum antimicrobial activity; emulsifying capability when used with fatty acids. *Angus.*

1405 Dimethyl palmitamine

112-69-6 G H



$C_{18}H_{39}N$

Dimethyl-n-hexadecylamine.

4-04-00-00818 (Beilstein Handbook Reference); Adma® 16; AI3-16727; Armeen DM16D; Bairdcat B16; BRN 1755921; Cetyldimethylamine; Crodamine 3.A16D; Dimethyl-n-hexadecylamine; Dimethyl palmitamine; Di-methyl palmitylamine; Dimethylcetylamine; Dimethyl-hexadecylamine; Dimethylpalmitylamine; EINECS 203-997-2; Farmin DM 60; Genamin 16R302D; 1-Hexadecanamine, N,N-dimethyl-; Hexadecylamine, N,N-dimethyl-; Hexadecyldimethylamine; IPL 67; NSC 404177; Palmityl dimethyl amine. Emulsifier for herbicides, ore flotation, pigment dispersion; auxiliary for textiles, leather, rubber, plastics, and metal industries. Chemical intermediate. *Asahi Denka Kogyo; Croda.*

1406 Dimethylphenol

1300-71-6 10137 G H

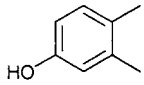
$C_8H_{10}O$

Xylenol (mixed isomers).

AI3-00056; Dimethylhydroxybenzene; Dimethylphenol; Dimethylphenols, liquid or soild; EINECS 215-089-3; HSDB 363; Hydroxydimethylbenzene; Phenol, dimethyl-; Stericol; Sudol; UN2261; Xilenole; Xilenoli; Xylenol; Xylenol (mixed isomers); Xylenolen; Xylenols. Used in disinfectants, solvents, pharmaceuticals, insecticides, fungicides, plasticizers, rubber chemicals, additives to lubricants and gasoline, manufacture of polyphenylene oxide, wetting agents, and dyestuffs. Solid; slightly soluble in H_2O, freely soluble in organic solvents. *Coalite Chem. Div.; Crowley Tar Prods.*

1407 3,4-Dimethylphenol

95-65-8 H



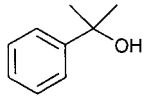
$C_8H_{10}O$

Phenol, 3,4-dimethyl-.

4-06-00-03099 (Beilstein Handbook Reference); AI3-01552; BRN 1099267; CCRIS 723; 4,5-Dimethylphenol; EINECS 202-439-5; FEMA No. 3596; HSDB 5294; 4-Hydroxy-1,2-dimethylbenzene; NSC 1549; Phenol, 3,4-dimethyl-. Liquid; mp = 60.8°; bp = 227°; d^{20} ▫ 0.9830; λ_m = 218, 270 nm (ε = 6230, 1890, MeOH); slightly soluble in H_2O, soluble in EtOH, very soluble in Et_2O, CCl_4.

1408 Dimethylphenylmethanol

617-94-7 H



$C_9H_{12}O$

2-Phenylisopropanol.

4-06-00-03219 (Beilstein Handbook Reference); AI3-05532; Benzenemethanol, α,α-dimethyl-; Benzyl alcohol, α,α-dimethyl-; BRN 1905012; α-Cumyl alcohol; α,α-Dimethylbenzenemethanol; α,α-Dimethylbenzyl alcohol; Dimethylphenylcarbinol; Dimethylphenylmethanol; EINECS 210-539-5; HSDB 5718; 1-Hydroxycumene; NSC 1261; NSC 212537; Phenyldimethylcarbinol; 2-Phenyl-2-propanol. Prisms; mp = 36°; bp = 202°; d^{20} = 0.9735; λ_m ▫ 210, 243, 247, 253, 258, 265, 268 nm (MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, AcOH.

1409 Dimethyl phosphorochloridothioate

2524-03-0 G H

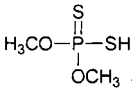
$C_2H_6ClO_2PS$

O,O-Dimethyl chlorothiophosphate.

4-01-00-01263 (Beilstein Handbook Reference); BRN 0471300; Chlorodimethoxyphosphine sulfide; Dimeth-oxythiophosphonyl chloride; Dimethyl chlorothio-phosphate; Dimethyl phosphorochlorothioate; Dimethyl thiophosphorochloridate; Dimethyl thiophosphoryl chloride; Dimethylchlorthiofosfat; Dimethylthionochloro-phosphate; EINECS 219-754-9; HSDB 2603; Methyl PCT; MP-2; NSC 132984; Phosphorochloridothioic acid, O,O-dimethyl ester. Used in the production of organophosphorus insecticides. Liquid; bp_{16} = 66-67°; d = 1.3220. *A/S Cheminova.*

1410 Dimethyl phosphorodithioate

756-80-9 H



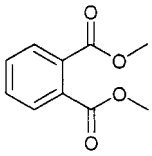
$C_2H_7O_2PS_2$

O,O-Dimethyl dithiophosphoric acid.

4-01-00-01264 (Beilstein Handbook Reference); BRN 0635993; Dimethyl phosphodithionate; O,O-Dimethyl dithiophosphate; O,O-Dimethyl dithiophosphoric acid; O,O-Dimethyl hydrogen dithiophosphate; O,O-Dimethyl phosphorodithioate; EINECS 212-053-9; HSDB 5750; Kwas dwumetylo-dwutiofosforowy; Kyselina O,O-dimethyldithiofosforcna; Methyl phosphorodithioate; Phosphorodithioic acid, O,O-dimethyl ester.

1411 Dimethyl phthalate

131-11-3 3281 G H P



$C_{10}H_{10}O_4$

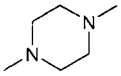
Dimethyl 1,2-benzenedicarboxylate.

AI3-00262; Avolin; Caswell No. 380; CCRIS 2674; Dimethyl 1,2-benzenedicarboxylate; Dimethyl benzene-o-dicarboxylate; Dimethyl o-phthalate; Dimethyl phthalate; Dimethylester kyseliny ftalove; DMF (insect repellent); DMP; EINECS 205-011-6; ENT 262; EPA Pesticide Chemical Code 028002; Fermine; HSDB 1641; Kemester® DMP; Kodaflex® DMP; Mipax; NSC 15398; NTM; Palatinol M; Phtalate de dimethyle; Phthalic acid, dimethyl ester; Phthalsäuredimethylester; RCRA waste number U102; Repeftal; Solvanom; Solvarone; Unimoll® DM. Solvent for resins, plasticizer for cellulose acetate and nitrocellulose lacquers; plastics, rubber; coating agents; safety glass. Has high solvent power for cellulose acetate extrusion compounds; compatible with ethyl cellulose, CAB, PS, PVAc, polyvinyl butyral, and PVC; used in NC-based printing inks. Emollient used in cosmetics, textiles, metalworking lubricants. Fixative for perfumes. Registered by EPA (cancelled). Pale yellow oil; mp = 5.5°; d_{20}^{20} = 1.1905; d_{25}^{25} = 1.189; bp_{760} = 283.7°; bp_{400} = 257.8°; bp_{200} = 232.7°; bp_{100} ▫ 210.0°; bp_{40} = 182.8°; bp_{20} ▫ 164°; bp_{10} = 147.6°; bp_5 = 131.8°; bp_1 = 100.3°; λ_m = 277 nm ($E^{1\%}_{1cm}$ 57.7

EtOH); poorly soluble in H_2O (430 mg/100 ml), soluble in organic solvents; LD_{50} (rat orl) = 8.2 g/kg. *Allchem Ind.; BASF Corp.; Bayer AG; CK Witco Corp.; Daihachi Chem. Ind. Co. Ltd; Degussa-Hüls Corp.; Eastman Chem. Co.; Fluka; Morflex Inc.; UCB Pharma.*

1412 N,N'-Dimethyipiperazine

106-58-1 G



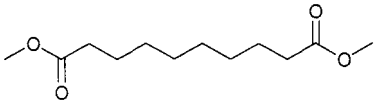
$C_6H_{14}N_2$

1,4-Dimethylpiperazine.

CCRIS 6690; 1,4-Dimethylpiperazine; EINECS 203-412-0; Lupetazine; N,N'-Dimethylpiperazine; NSC 41177; Piperazine, 1,4-dimethyl-; Texacat® DMP. Catalyst for polyurethane molded high resilience flexible foam, ester slabstock. Liquid; bp = 131°; d^{20} = 0.8600; very soluble in H_2O, EtOH, Et_2O. *Texaco.*

1413 Dimethyl sebacate

106-79-6 H



$C_{12}H_{22}O_4$

Dimethyl decanedioate.

AI3-00662; Decanedioic acid, dimethyl ester; Dimethyl decanedioate; Dimethyl octane-1,8-dicarboxylate; Dimethyl sebacate; EINECS 203-431-4; Methyl sebacate; NSC 9415; Sebacic acid, dimethyl ester. Solid; mp = 38°; bp_{20} = 175°, bp_5 = 144°; d^{28} = 0.9882; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, CCl_4.

1414 Dimethyl soyamine

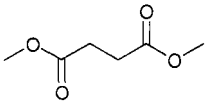
61788-91-8 H

Amines, dimethylsoya alkyl.

Amines, dimethylsoya alkyl; Dimethyl soyamine; EINECS 263-017-4; Soya dimethyl amine.

1415 Dimethyl succinate

106-65-0 G H



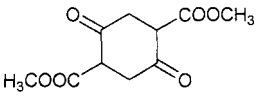
$C_6H_{10}O_4$

Dimethyl butanedioate.

AI3-02480; Butanedioic acid, dimethyl ester; CCRIS 4803; Dimethyl butanedioate; Dimethyl succinate; EINECS 203-419-9; FEMA No. 2396; HSDB 5370; Methyl butanedioate; Methyl succinate; NSC 52209; Succinic acid, dimethyl ester. Light and heat stabilizer for polyolefins, ABS polymer systems, flexible PVC, food packaging; chemical intermediate. Liquid; mp = 19°; bp = 196.4°; d^{20} = 1.0020; very soluble in Me_2CO, C_6H_6, Et_2O. *Ashland; Chemie Linz N. Am.; DuPont; Fluka; Lancaster Synthesis Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.*

1416 Dimethyl succinylsuccinate

6289-46-9 H



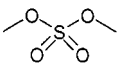
$C_{10}H_{12}O_6$

Dimethyl 2,5-dioxocyclohexane-1,4-dicarboxylate.

AI3-14663; 1,4-Cyclohexanedicarboxylic acid, 2,5-dioxo-, dimethyl ester; Dimethyl 2,5-dioxocyclohexane-1,4-dicarboxylate; Dimethyl 2,5-dioxo-1,4-cyclohex-anedicarboxylate; Dimethyl succinylsuccinate; EINECS 228-528-9; NSC 5670; NSC 122567; Succinosuccinic acid, dimethyl ester.

1417 Dimethyl sulfate

77-78-1 3282 H



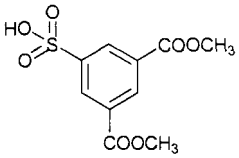
$C_2H_6O_4S$

Sulfuric acid, dimethyl ester.

4-01-00-01251 (Beilstein Handbook Reference); AI3-52118; BRN 0635994; CCRIS 265; Dimethyl monosulfate; Dimethyl sulfate; Dimethyl sulphate; Dimethylester kyseliny sirove; Dimethylsulfaat; Dimethylsulfat; Dimetilsolfato; DMS (methyl sulfate); Dwumetylowy siarczan; EINECS 201-058-1; HSDB 932; Methyl sulfate; Methyle (sulfate de); NSC 56194; RCRA waste number U103; Sulfate de dimethyle; Sulfate dimethylique; Sulfato de dimetilo; Sulfuric acid, dimethyl ester; UN1595. Liquid; mp = -27°; bp_{15} = 76°, bp = 188° (dec); d^{20} = 1.3322; moderately soluble in H_2O, organic solvents.

1418 Dimethyl 5-sulfoisophthalate

138-25-0 H



$C_{10}H_{10}O_7S$

Isophthalic acid, 5-sulfo-, 1,3-dimethyl ester.

1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester; Dimethyl 5-sulphoisophthalate; EINECS 205-320-6; Isophthalic acid, 5-sulfo-, 1,3-dimethyl ester.

1419 Dimethyl sulfoxide

67-68-5 3285 G H V

C_2H_6OS

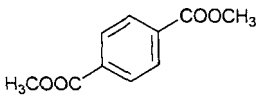
Methane, sulfinylbis-.

A 10846; AI3-26477; Caswell No. 381; CCRIS 943; Deltan; Demasorb; Demavet; Demeso; Demsodrox; Dermasorb; Dimethyl sulfoxide; Dimethyl sulphoxide; Dimethyli sulfoxidum; Dimethylsulfoxide; Dimethyl-sulfoxyde; Dimetil sulfoxido; Dimetilsolfossido; Di-mexide; Dipirartril-tropico; DMS-70; DMS-90; DMSO; Dolicur; Doligur; Domoso; Dromisol; Durasorb; EINECS 200-664-3; EPA Pesticide Chemical Code 000177; Gamasol 90; HSDB 80; Hyadur; Infiltrina; M 176; Methane, sulfinylbis-; Methyl sulfoxide; Methylsulfinyl-methane; NSC-763; Rimso-5; Rimso-50; Somipront; SQ 9453; Sulfinylbis(methane); Syntexan; Topsym. Solvent for polymerization; analytical reagent; industrial cleaners, pesticides,

paint stripping, hydraulic fluids, medicine (anti-inflammatory), veterinary medicine, plant pathology and nutrition, pharmaceuticals, spinning synthetic fibers. Aprotic solvent used as reaction medium in the manufacture of pesticides, pharmaceuticals, dyes, inks; solvent in polymers, electronics, refining; chemical intermediate for pesticides. Clear, viscous liquid; mp = 18.5°; bp = 189°; d^{20} = 1.1014; soluble in H_2O; insoluble in organic solvents; LD_{50} (rat, orl) = 19,700 mg/kg. *Allchem Ind.; Elf Atochem N. Am.; Fluka; Gaylord; Howard Hall; Itochu; Monomer-Polymer & Dajac; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Toray Ind. inc.*

1420 Dimethyl terephthalate

120-61-6 H



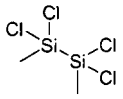
$C_{10}H_{10}O_4$

Dimethyl 1,4-benzenedicarboxylate.

AI3-02246; CCRIS 266; Dimethyl 1,4-benzene-dicarboxylate; Dimethyl p-benzenedicarboxylate; Di-methyl 4-phthalate; Dimethyl p-phthalate; Dimethyl terephthalate; Dimethylester kyseliny tereftalove; DMT; EINECS 204-411-8; HSDB 2580; NCI-C50055; NSC 3503. A Plasticizer. Solid; mp = 141°; bp = 288°; d^{141} = 1.075; λ_m = 240, 285 nm (ε = 20300, 1680, MeOH); slightly soluble in H_2O, EtOH, MeOH, soluble in Et_2O, $CHCl_3$.

1421 1,2-Dimethyltetrachlorodisilane

4518-98-3 H



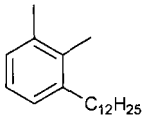
$C_2H_6Cl_4Si_2$

1,1,2,2-Tetrachloro-1,2-dimethyldisilane.

1,2-Dimethyltetrachlorodisilane; Disilane, 1,1,2,2-tetra-chloro-1,2-dimethyl-; EINECS 224-844-6; 1,1,2,2-Tetrachloro-1,2-dimethyldisilane. Liquid; bp = 154°.

1422 1,2-Dimethyl-3-tetrapropylenebenzene

66697-27-6 H



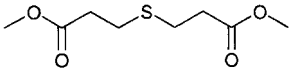
$C_{20}H_{34}$

Benzene, 1,2-dimethyltetrapropylene-.

1423 Dimethyl

1423 Dimethyl thiodipropionate

4131-74-2 H



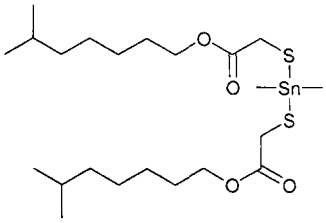
$C_8H_{14}O_4S$

Dimethyl 3,3'-thiobispropionate.

Bis(2-methoxycarbonylethyl)sulfide; β,β'-Dicarbometh-oxydiethyl sulfide; Dimethyl 3,3'-thiobispropionate; Dimethyl thiodipropionate; Dimethyl 3,3'-thiodi-propionate; EINECS 223-948-9; NSC 2244; NSC 35224; Propanoic acid, 3,3'-thiobis-, dimethyl ester; Propionic acid, 3,3'-thiodi-, dimethyl ester. Liquid; bp_{18} = 162°, bp_{18} = 148°; d^{20} = 1.1559.

1424 Dimethyltin-bis(isooctylthioglycolate)

26636-01-1 H



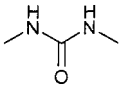
$C_{22}H_{44}O_4S_2Sn$

Stannane, bis(isooctyloxycarbonylmethylthio)dimethyl-ester.

Acetic acid, 2,2'-((dimethylstannylene)bis(thio))bis-, di-isooctyl ester; Advastab TM 181; Advastab TM 181S; Bis((((isooctyloxy)carbonyl)methyl)thio)dimethyltin; Diiso-octyl ((dimethylstannylene)dithio)diacetate; Diiso-octyl 2,2'-((dimethylstannylene)bis(thio))diacetate; Di-methyltin bis(isooctyl mercaptoacetate); Dimethyltin-bis(isooctyl-thioglycolate); Dimethyltin S,S'-bis(isooctyl mercapto-acetate); Dimethyltinbis(isooctylmercaptoacetate); Di-methylzinn-S,S'-bis(isooctylthioglycolat); EINECS 247-862-6; HSDB 6097; Stannane, bis(isooctyloxycarbonyl-methylthio)dimethyl-ester; Tin, bis((carboxymethyl)thio)-dimethyl-, diisooctyl ester; Tin, dimethyl-, bis(isooctylthioglycollate); TM 181S.

1425 N,N-Dimethylurea

96-31-1 H



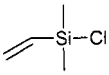
$C_3H_8N_2O$

Urea, N,N'-dimethyl-.

4-04-00-00207 (Beilstein Handbook Reference); AI3-24386; BRN 1740672; CCRIS 2509; N,N-Dimethylurea; N,N'-Dimethylharnstoff; N,N'-Dimethylurea; sym-Di-methylurea; Symmetric dimethylurea; DMU; EINECS 202-498-7; HSDB 3423; NSC 14910; Urea, 1,3-dimethyl-; Urea, N,N'-dimethyl-. Crystals; mp = 108°; bp = 269°; d^{25} = 1.142; very soluble in H_2O, EtOH, poorly soluble in $CHCl_3$, insoluble in Et_2O.

1426 Dimethylvinylchlorosilane

1719-58-0 G



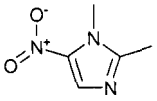
C_4H_9ClSi

Vinyldimethylchlorosilane.

AI3-25204; Chlorodimethylvinylsilane; CV-4720; EINECS 217-007-1; Silane, chloroethenyldimethyl-; Vinyldi-methylchlorosilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 83.5°; d^{20} = 0.8744. *Degussa-Hüls Corp.*

1427 Dimetridazole

551-92-8 3292 G V



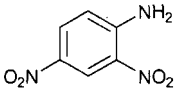
$C_5H_7N_3O_2$

1,2-Dimethyl-5-nitro-1H-imidazole.

5-23-05-00058 (Beilstein Handbook Reference); 8595 R.P.; AI3-27217; BRN 0130665; Caswell No. 371A; CCRIS 997; 1,2-Dimethyl-5-nitroimidazole; 1,2-Dimethyl-5-nitro-1H-imidazole; Dimetridazol; Dimetrid-azole; Dimetridazolo; Dimetridazolum; EINECS 209-001-2; Emtryl; Emtrylvet; Emtrymix; EPA Pesticide Chemical Code 371200; Imidazole, 1,2-dimethyl-5-nitro-; 1H-Imidazole, 1,2-dimethyl-5-nitro-; 5-Nitro-1,2-dimethyl-imidazole; NSC 226253; RP 8595; Unizole; Unizole Soluble. A veterinary antiprotozoan (Histomonas). Needles; mp = 138-139°; sparingly soluble in H_2O, very soluble in EtOH, Et_2O.

1428 2,4-Dinitroaniline

97-02-9 3298 H



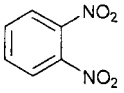
$C_6H_5N_3O_4$

Benzenamine, 2,4-dinitro-.

4-12-00-01689 (Beilstein Handbook Reference); AI3-02920; Aniline, 2,4-dinitro-; Benzenamine, 2,4-dinitro-; BRN 0982999; CCRIS 2872; EINECS 202-553-5; HSDB 1142; NCI-C60753; NSC 8731. Crystals; mp = 180°; d^{14} = 1.615; λ_m = 210, 225, 257, 336 nm (ε ▪ 1120, 1110, 969, 1480, MeOH); insoluble in H_2O, slightly soluble in EtOH, Me_2CO, HCl.

1429 Dinitrobenzene

528-29-0 3301 H



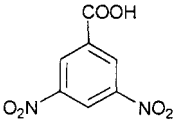
$C_6H_4N_2O_4$

o-Dinitrobenzene.

AI3-15338; Benzene, 1,2-dinitro-; Benzene, o-dinitro-; CCRIS 3091; 1,2-Dinitrobenzene; 1,2-Dinitrobenzol; Dinitrobenzene, o-; o-Dinitrobenzene; EINECS 208-431-8; HSDB 4486; NSC 60682; UN1597. Needles or plates; mp = 118.5°; bp = 318°, bp_{30} = 194°; insoluble in H_2O, slightly soluble in DMSO, soluble in EtOH, C_6H_6, $CHCl_3$, MeOH, EtOAc, C_7H_8.

1430 Dinitrobenzoic acid

99-34-3 3304 G



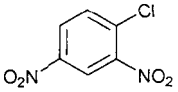
$C_7H_4N_2O_6$

3,5-dinitrobenzoic acid.

AI3-01801; Benzoic acid, 3,5-dinitro-; 3-Carboxy-1,5-dinitrobenzene; CCRIS 3129; Dinitrobenzoic acid; 3,5-Dinitrobenzoic acid; DNBA; EINECS 202-751-1; NSC 8732. Used in chemical analysis, in identification of alcohols and chromatographic determination of essential oil constituents. Crystals; mp = 205°; sublimes; λ_m = 228 nm (ε 19700, MeOH); soluble in H_2O (2 g/100 ml), EtOH and glacial AcOH, less soluble in Et_2O, CS_2, C_6H_6. *Akzo Nobel; Eka Nobel Ltd.; Lancaster Synthesis Co.*

1431 2,4-Dinitrochlorobenzene

97-00-7 2155 H



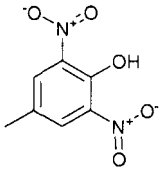
$C_6H_3ClN_2O_4$

Benzene, 1-chloro-2,4-dinitro-.

AI3-01053; Benzene, 1-chloro-2,4-dinitro-; Caswell No. 389C; CCRIS 1799; CDNB; Chlorodinitrobenzene; Dinitrochlorobenzene; Dinitrochlorobenzol; DNCB; DRG-0080; EINECS 202-551-4; EPA Pesticide Chemical Code 055102; HSDB 5306; NSC 6292. Yelow rhomboid crystals; mp = 53°; bp = 315°; d^{75} = 1.4982; λ_m = 206, 238 nm (MeOH); insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, C_6H_6, CS_2.

1432 Dinitro-p-cresol

609-93-8 H



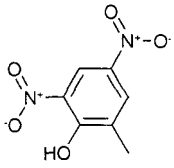
$C_7H_6N_2O_5$

2,6-Dinitro-4-methylphenol.

4-06-00-02152 (Beilstein Handbook Reference); AI3-24606; BRN 1978786; p-Cresol, 2,6-dinitro-; Dinitro-p-cresol; 2,6-Dinitro-4-methylphenol; 2,6-Dinitro-p-cresol; DNPC; EINECS 210-203-8; HSDB 5434; 4-Methyl-2,6-dinitrophenol; NSC 33870; Phenol, 4-methyl-2,6-dinitro-; Toluene, 3,5-dinitro-4-hydroxy-; Victoria Orange; Victoria Yellow.

1433 4,6-Dinitrocresol

534-52-1 3307 G P



$C_7H_6N_2O_5$

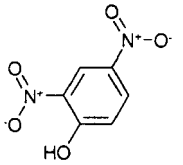
3,5-Dinitro-2-Hydroxytoluene.

Antinonin; Antinonnin; Dekryll; Dekrysil; Detal; Dinitrocresol; Dinitro-o-cresol; 4,6-Dinitrocresol; Dinitrol; Dinitrosol; Ditrosol; DNC; DNOC; 4,6-DNOC; Effusan; Elgetol; Elgetol 30; Elgetox; Extar A; Extar Lin; K III; K IV; Lipan; Nitrador; Prokarbol; Sandoline; Selinon; Sinox; Trifocide; Trifrina. Selective herbicide and insecticide. Yellow prisms or needles; mp = 86.5°; λ_m = 215, 263 nm (MeOH); slightly soluble in H_2O, petroleum ether, soluble in EtOH, Et_2O, Me_2CO,

$CHCl_3$.slightly soluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 7 mg/kg. *Bayer AG; Pennwalt Holland; PMC; Sandoz.*

1434 2,4-Dinitrophenol

51-28-5 3309 H P



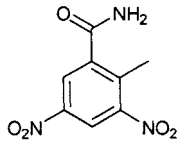
$C_6H_4N_2O_5$

1-Hydroxy-2,4-Dinitrobenzene.

2,4-DNP; AI3-01535; Aldifen; Camello mosquito coils; Caswell No. 392; CCRIS 3102; Chemox PE; Cobra salts (Impregna salts); Dinitra; Dinitrofenolo; Dinitrophenol, 2,4-; Dinofan; DNP; EINECS 200-087-7; EK 102; EPA Pesticide Chemical Code 037509; Fenoxyl; Fenoxyl Carbon N; HSDB 529; Maroxol-50; Nitro kleenup; Nitrophen; Nitrophene; NSC 1532; Osmoplastic-R; Osmotox-Plus; Phenol, 2,4-dinitro-; RCRA waste number P048; Shirakiku brand mosquito coils; Solfo Black 2B Supra; Solfo Black B; Solfo Black BB; Solfo Black G; Solfo Black SB; Tertrosulphur Black PB; Tertrosulphur PBR; X 32. Fungicide. Registered by EPA as a fungicide and insecticide (cancelled). Used in manufacture of dyestuffs, as a wood preservative and as an acid-base indicator (pH 2,6 colorless, pH 4.4 yellow). Yellow orthorhombic crystals; mp = 112 - 114°; d = 1.683; soluble in H_2O (0.137 g/100 ml at 54.5°, 0.301 g/100 ml at 75.8°, 0.587 g/100 ml at 87.4°, 1.22 g/100 ml at 96.2°), EtOAc (15.55 g/100 ml), Me_2CO (35.9 g/100 ml), $CHCl_3$ (5.39 g/100 ml), C_5H_5N (20 g/100 ml), CCl_4 (0.42 g/100 ml), C_7H_8 (6.36 g/100 ml), all at 15°, soluble in EtOH, C_6H_6; LD_{50} (rat orl) = 30 mg/kg. *Sigma-Aldrich Co.*

1435 3,5-Dinitro-o-toluamide

148-01-6 3297 G



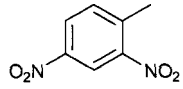
$C_8H_7N_3O_5$

2-Methyl-3,5-dinitrobenzamide.

3-09-00-02316 (Beilstein Handbook Reference); Benzamide, 2-methyl-3,5-dinitro-; BRN 1990738; Caswell No. 932; Coccidine A; Coccidot; Dinitolmida; Dinitolmide; Dinitolmidum; 3,5-Dinitro-o-toluamide; EINECS 205-706-4; EPA Pesticide Chemical Code 037510; 2-Methyl-3,5-dinitrobenzamide; Zoalene; Zoamix. Coccidiostat; often used on an exchange program with Coyden (clopidol); the main purpose in rotating Zoamix coccidiostat with Coyden coccidiostat is to prevent poultry from developing a resistance to the latter product. Crystals; mp = 181°. *Alpharma; Dow UK; Hoechst Roussel Veterinary; Pharmacia & Upjohn Co.*

1436 Dinitrotoluene

25321-14-6 H



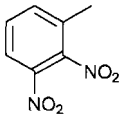
$C_7H_6N_2O_4$

Dinitrotoluene (mixed isomers).

Benzene, methyldinitro-; Binitrotoluene; Dinitrophenyl-methane; Dinitrotoluene; Dinitrotoluene (mixed isomers); Dinitrotoluenes; Dinitrotoluol; DNT; EINECS 246-836-1; HSDB 3907; Methyldinitrobenzene; Toluene, ar,ar-dinitro-; Toluene, dinitro-; UN1600; UN2038. Mixture of o, m and p-isomers.

1437 2,3-Dinitrotoluene

602-01-7 H



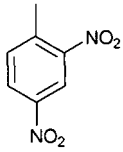
$C_7H_6N_2O_4$

1-Methyl-2,3-dinitrobenzene.

4-05-00-00865 (Beilstein Handbook Reference); Benzene, 1-methyl-2,3-dinitro-; BRN 2212428; CCRIS 2837; 2,3-Dinitrotoluene; 2,3-Dinitrotoluol; 2,3-DNT; EINECS 210-013-5; HSDB 5499; 1-Methyl-2,3-dinitrobenzene; Toluene, 2,3-dinitro-.

1438 2,4-Dinitrotoluene

121-14-2 G H



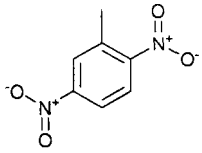
$C_7H_6N_2O_4$

2,4-Dinitrotoluene.

AI3-15342; Benzene, 1-methyl-2,4-dinitro-; CCRIS 268; Dinitrotoluene; 2,4-Dinitrotoluene; 2,4-Dinitrotoluol; DNT; 2,4-DNT; EINECS 204-450-0; HSDB 1144; NCI-C01865; NSC 7194; RCRA waste number U105; Toluene, 2,4-dinitro-. Used in synthesis of toluidines, dyes and explosives. Yellow needles; mp = 71°; bp = 300° (dec); d^{71} = 1.3208; λ_m = 234 nm (cyclohexane); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, C_7H_8, CS_2, EtOAc; very soluble in Me_2CO, C_5H_5N; LD_{50} (rat orl) = 268 mg/kg.

1439 2,5-Dinitrotoluene

619-15-8 H



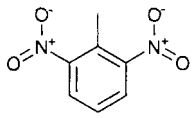
$C_7H_6N_2O_4$

2-Methyl-1,4-dinitrobenzene.

4-05-00-00866 (Beilstein Handbook Reference); Benzene, 2-methyl-1,4-dinitro-; BRN 2213718; CCRIS 2838; 2,5-Dinitrotoluene; 2,5-DNT; EINECS 210-581-4; HSDB 5504; 2-Methyl-1,4-dinitrobenzene; NSC 159120; Toluene, 2,5-dinitro-. Needles; mp = 52.5°; d^{111} = 1.282; λ_m = 267 nm (ε = 11482, 5% EtOH); soluble in EtOH, C_6H_6, very soluble in CS_2.

1440 2,6-Dinitrotoluene

606-20-2 H



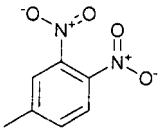
$C_7H_6N_2O_4$

2-Methyl-1,3-dinitrobenzene.

4-05-00-00866 (Beilstein Handbook Reference); Benzene, 2-methyl-1,3-dinitro-; BRN 2052046; CCRIS 1006; 2,6-Dinitromethylbenzene; 2,6-Dinitrotoluene; 2,6-DNT; EINECS 210-106-0; HSDB 2931; 2-Methyl-1,3-dinitrobenzene; RCRA waste number U106; Toluene, 2,6-dinitro-. Rhombic needles; mp = 66°; d^{111} ▪ 1.2833; λ_m = 233 nm (ε = 9670, MeOH); soluble in EtOH, $CHCl_3$.

1441 3,4-Dinitrotoluene

610-39-9 H



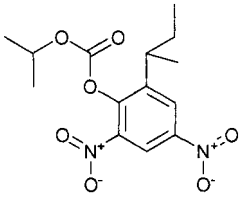
$C_7H_6N_2O_4$

4-Methyl-1,2-dinitrobenzene.

Benzene, 4-methyl-1,2-dinitro-; CCRIS 2839; 3,4-Dinitrotoluene; 3,4-DNT; EINECS 210-222-1; HSDB 5501; 4-Methyl-1,2-dinitrobenzene; NSC 52216; Toluene, 3,4-dinitro-. Yellow needles, mp = 58.3°; d^{111} = 1.2594; λ_m = 216, 262 nm (ε = 12400, 5900, MeOH); insoluble in H_2O, slightly soluble in $CHCl_3$, soluble in Et_2O, CS_2.

1442 Dinobuton

973-21-7 3315 G P



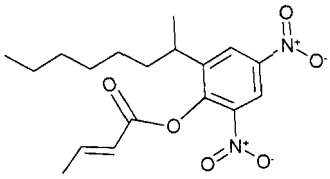
$C_{14}H_{18}N_2O_7$

Carbonic acid 1-methylethyl 2-(1-methylpropyl)-4,6-dinitrophenyl ester.

Acrex; AI3-27244; Akrex; BRN 2065340; (2-sek.Butyl-4,6-dinitrofenyl)-isopropylkarbonat; 2-sec-Butyl-4,6-di-nitrophenyl isopropyl carbonate; Carbonic acid, 1-methylethyl 2-(1-methylpropyl)-4,6-dinitrophenyl; Carb-onic acid, 2-sec-butyl-4,6-dinitrophenyl isopropyl ester; Caswell No. 128F; Dessin; Dinitro-sec-butylphenyl isopropyl carbonate; 2,4-Dinitro-6-sec-butylphenyl isopropyl carbonate; 2,4-Dinitro-6-sek.butyl-isopropyl-phenylcarbonat; Dinobuton; Dinofen; Drawinol; DS 18302; EINECS 213-546-1; ENT 27,244; EPA Pesticide Chemical Code 228700; HSDB 1527; Isophen (pesticide); Isopropyl 2,4-dinitro-6-sec-butylphenyl carbonate; Isopropyl-2-(1-methyl-n-propyl)-4,6-dinitrophenyl carbonate; Kasebon; MC 1053; 1-Methylethyl 2-(1-methylpropyl)-4,6-dinitrophenyl carbonate; 2-(1-Methyl-2-propyl)-4,6-dinitrophenyl isopropylcarbonate; OMS 1056; Phenol, 2-sec-butyl-4,6-dinitro-, isopropyl-carbonate; Sytasol; Talan; UC 19786; Union carbide 19786. Miticide. Crystals; mp = 56-57°; LD_{50} (rat orl) = 59 mg/kg. *Murphy Chemical Co Ltd.*

1443 Dinocap

39300-45-3 3316 G P



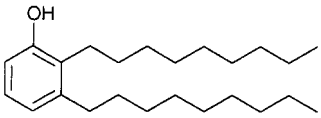
$C_{18}H_{24}N_2O_6$

Crotonic acid, 2(or 4)-(1-methylheptyl)-4,6(or 2,6)-dinitrophenyl ester.

Actual dinocap; Arathane; 2-Butenoic acid, 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl ester; 2-Butenoic acid 2-(1-methylheptyl)-4,6-dinitrophenyl ester; Caprane; Capryldinitrophenyl crotonate; 2-Capryl-4,6-dinitro-phenyl crotonate; Caratan; Carathane; Caswell No. 391D; CR 1639; Crotonate de 2,4-dinitro 6-(1-methyl-heptyl)-phenyle; Crotonic acid 2-(1-methylheptyl)-4,6-dinitro-phenyl ester; Crotonic acid, 2(or 4)-(1-methylheptyl)-4,6(or 2,6)-dinitrophenyl ester; Crotonic acid 2,4-dinitro-6-(2-octyl)phenyl ester; Crotonic acid 2,4-dinitro-6-(1-methylheptyl)phenyl ester; Crotothane; Dinitro methyl-heptyphenyl crotonate; Dinitro(1-methylheptyl)phenyl crotonate; 4,6-Dinitro-2-caprylphenyl crotonate; 4,6-Dinitro-2-(2-capryl)phenyl crotonate; 4,6-Dinitro-2-(1-methylheptyl)phenyl crotonate; 2,4-Dinitro-6-(1-methyl-heptyl)phenyl crotonate; 2,4-Dinitro-6-(1-methylheptyl)-phenylcrotonat; 2,4-Dinitro-6-octyl-phenyl crotonate; 2,4-Dinitro-6-(2-octyl)phenyl crotonate; 2,6-Dinitro-4-octyl-phenyl crotonate; Dinitrocaprylphenyl crotonate; Dinocap; Dinokap; Dinokapu; DNOCP; DPC; DPC (pesticide); EINECS 254-408-0; ENT 24727; EPA Pesticide Chemical Code 036001; HSDB 1597; Isocothane; Karatan; Karathane; Karathane 25; Karathane FN 57; Karathane WD; (6-(1-Methyl-heptyl)-2,3-dinitro-phenyl)-crotonat; (6-(1-Methyl-heptyl)-2,4-dinitro-fenyl)-croton-aat; (6-(1-Metil-epitl)-2,4-dinitro-fenil)-crotonato; 2-(1-Methylheptyl)-4,6-dinitrofenylester kyseliny krotonove; 2-(1-Methylheptyl)-4,6-dinitrophenyl crotonate; Mildex; Mixed dinitrooctylphenylcrotonates and dinitrooctyl-phenols; Phenol, 2-(1-methylheptyl)-4,6-dinitro-, croton-ate (ester); Crotonic acid 2,4-dinitro-6-(1-methyl-heptyl)phenyl ester; Crotonic acid 2,4-dinitro-6-(2-octyl)phenyl ester; Crotothane; Dinitro methylheptyl-phenyl crotonate; Dinitro(1-methylheptyl)phenyl crotonate; Dinitrocaprylphenyl crotonate; 2,4-Dinitro-6-(1-methylheptyl)phenyl crotonate; 2,4-Dinitro-6-(1-methylheptyl)-phenylcrotonat; 2,4-Dinitro-6-octyl-phenyl crotonate; 2,4-Dinitro-6-(2-octyl)phenyl crotonate; 2,6-Dinitro-4-octyl-phenyl crotonate; 4,6-Dinitro-2-caprylphenyl crotonate; 4,6-Dinitro-2-(2-capryl)phenyl crotonate; Dinocap; Dinokap; Dinokapu; DPC; DPC (pesticide); ENT 24727; EPA Pesticide Chemical Code 036001; HSDB 1597; Isocothane; Karatan; Karathane; Karathane 25; Karathane FN 57; Karathane WD; (6-(1-Methyl-heptyl)-2,4-dinitro-fenyl)-crotonaat; (6-(1-Methyl-heptyl)-2,3-dinitro-phenyl)-crotonat; (6-(1-Metil-epitl)-2,4-dinitro-fenil)-crotonato; 2-(1-Methylheptyl)-4,6-dinitro-fenylester kyseliny krotonove; 2-(1-Methylheptyl)-4,6-dinitrophenyl crotonate; Mildex; Mixed dinitrooctylphenylcrotonates and dinitrooctylphenols; Phenol, 2-(1-methylheptyl)-4,6-dinitro-, crotonate (ester). Acaricide. Used to control mildew in fruit, chrysanthemums and roses. Registered by EPA as an fungicide and insecticide. Brown liquid; $bp_{0.05}$ = 138-140°; almost insoluble in H_2O (< 0.00001 g/100 ml), soluble in most organic solvents; LD_{50} (mrat orl) ▪ 980 mg/kg, (frat orl)= 1190 mg/kg, (dog orl) = 100 mg/kg, (rbt der) > 4700 mg/kg, (mrat iv) = 23 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.36 mg/l air; toxic to fish; non-toxic to bees. *Dow AgroSciences; Rohm & Haas UK.*

1444 Dinonyl phenol

1323-65-5 G H



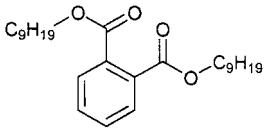
$C_{24}H_{42}O$

Phenol, dinonyl-.

Dinonyl phenol; Dinonylphenol; EINECS 215-356-4; NSC 2431; Phenol, dinonyl-. Mixture of dialkyl substituted phenols; used as a solvent. Colorless liquid; insoluble in H_2O; soluble in organic solvents. *Allchem Ind.; Texaco.*

1445 Dinonyl phthalate

84-76-4 G



$C_{26}H_{42}O_4$

Di-n-nonyl 1,2-benzenedicarboxylate.

4-09-00-03183 (Beilstein Handbook Reference); 1,2-Benzenedicarboxylic acid, dinonyl ester; Bisoflex 91; Bisoflex DNP; Bisolflex 91; BRN 1916263; Di-n-nonyl phthalate; Di-n-nonylphthalate (DnNP); Dinonyl phthalate; EINECS 201-560-0; HSDB 365; Nonyl phthalate; Phthalic acid, dinonyl ester; Unimoll DN. A linear plasticizer with good low temperature, permanence, processibility and low volatility, high efficiency, good low temperature performance and wide processing range. Used as a plasticizer for vinyl polymers. Clear liquid; d^{20} = 0.969. *BDH Laboratory Supplies; ExxonMobil Chem. Co.; Koninklijke Nederlandsche Gist-En Spiritusfabriek; National Lead Co.*

1446 Dinonylnaphthalenesulphonic acid

25322-17-2 H

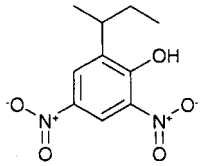
$C_{28}H_{44}O_3S$

Naphthalenesulfonic acid, dinonyl-.

Dinonylnaphthalenesulphonic acid; EINECS 246-841-9; Naphthalenesulfonic acid, dinonyl-. Mixture of o, m and p-isomers.

1447 Dinoseb

88-85-7 3317 H P



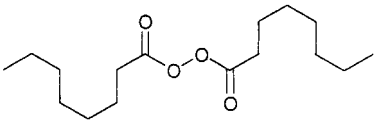
$C_{10}H_{12}N_2O_5$

2-(1-Methylpropyl)-4,6-dinitrophenol.

4-06-00-03279 (Beilstein Handbook Reference); Aatox; AI3-01122; Basanite; Blaartox; BNP 20; BNP 30; BRN 3211812; Butaphen; Butaphene; 2-sec-Butyl-4,6-dinitrophenol; Caldon; Caswell No. 392DD; Chemox general; Chemox P.E.; DBNF; Desicoil; Dibutox; Dibutox 20CE; Dinitrall; Dinitro-ortho-sec-butyl phenol; Dinitrobutylphenol; 4,6-Dinitro-2-sec-butylfenol; 2,4-Dinitro-6-sec-butylphenol; 4,6-Dinitro-2-sec-butylphenol; 4,6-Dinitro-o-sec-butylphenol; 2,4-Dinitro-6-(1-methyl-propyl)phenol; 4,6-Dinitro-2-(1-methyl-propyl)phenol; Dinoseb; Dinosebe; DN 289; DNBP; DNOSBP; DNSBP; Dow General Weed Killer; Dow Selective Weed Killer; Dytop; Elgetol 318; ENT 1,122; EPA Pesticide Chemical Code 037505; Gebutox; Hel-Fire; Hivertox; HSDB 1445; Kiloseb; Knoxweed; Ladob; Laseb; Liro DNBP; 6-(1-Metil-propil)-2,4-dinitro-fenolo; 2-(1-Methylpropyl)-4,6-dinitrophenol; 6-(1-Methyl-propyl)-2,4-dinitrofenol; Nitropone C; NSC 202753; Phenol, 2-(1-methylpropyl)-4,6-dinitro-; Phenol, 2-sec-butyl-4,6-dinitro-; Phenotan; Premerge; RCRA waste number P020; Sparic; Spurge; Subitex; Unicrop DNBP; Vertac Dinitro Weed Killer; Vertac General Weed Killer; Vertac Selective Weed Killer; WSX 8365. Herbicide and insecticide. Orange crystals; mp = 38 - 42°; sg^{45} = 1.265; soluble in H_2O (0.0052 g/100 ml), EtOH (38 g/100 ml), C_7H_{16} (18 g/100 ml), soluble in most organic solvents; LD_{50} (rat orl) = 58 mg/kg, (gpg orl) = 25 mg/kg, (rbt der) = 80 - 200 mg/kg, (gpg der) = 500 mg/kg, (ckn orl) = 26 mg/kg; LC_{50} (Japanese quail 5 dat dietary) = 409 mg/kg diet, (ring-necked pheasant 5 day dietary) = 515 mg/kg diet; highly toxic to fish; toxic to bees. *DowElanco Ltd.; Hoechst AG; La Littorale; La Quinoleine S.A.*

1448 Dioctanoyl peroxide

762-16-3 G



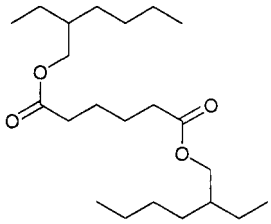
$C_{16}H_{30}O_4$

Caprolyl peroxide.

Capryl peroxide; Caprylyl peroxide; Dicaprylyl peroxide; Dioctanoyl peroxide; EINECS 212-094-2; HSDB 2752; Octanoyl peroxide; Perkadox® SE-8; Peroxide, bis(1-oxooctyl). Radical polymerization initiator. *Akzo Chemie.*

1449 Dioctyl adipate

103-23-1 G H



$C_{22}H_{42}O_4$

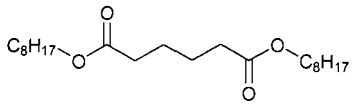
Di-(2-ethylhexyl) adipate.

4-02-00-01964 (Beilstein Handbook Reference); Adimoll® DO; Adipic acid, bis(2-ethylhexyl) ester; Adipic acid, di(2-ethylhexyl) ester; Adipol 2EH; ADO (lubricating oil); AI3-28579; Arlamol DOA; Beha; BEHA; Bis-(2-ethylhexyl)ester kyseliny adipove; Bis(2-ethylhexyl) adipate; Bisoflex DOA; BRN 1803774; CCRIS 236; Crodamol DOA; DEHA; Di-(2-ethylhexyl) adipate; Dioctyl adipate; DOA; Effemoli DOA; Effomoli DA; Effomoll DOA; EINECS 203-090-1; Ergoplast Addo; Flexol A 26; Flexol plasticizer 10-A; Flexol plasticizer A-26; Good-rite® GP-223; Hatcol 2908; Hexanedioic acid, bis(2-ethylhexyl) ester; Hexanedioic acid, dioctyl ester; HSDB 343; Jayflex® DOA; K 3220; Kemester 5652; Kodaflex® DOA; Lankroflex DOA; Mollan S; Monoplex® DOA; Morflex 310; NCI-C54386; NSC 56775; Octyl adipate; Palatinol® DOA; Plasthall® DOA; Plastomoll® DOA; Polycizer 332; PX-238; Reomol DOA; Rucoflex Plasticizer DOA; Sansocizer DOA; Sicol 250; Staflex DOA; Truflex DOA; Uniflex® DOA; USS 700; Vestinol OA; Vistone A 10; Wickenol® 158; Witamol 320; Witcizer 412. Plasticizer providing flexibility at low temperatures to vinyl products; used in unfilled garden hose, clear sheeting, electrical insulation. Emollient, moisturizer, pigment wetter/dispersant, cosolvent; increases water vapor porosity of fatty

components used in cosmetic and topical pharmaceutical preparations. Liquid; mp ◘ -67.8°; bp = 417°, bp_5 = 214°; d^{25} = 0.922; n_{20D} = 1.4472; insoluble in H_2O; very soluble in EtOH, Et_2O, Me_2CO; LD_{50} (rat orl) = 9110 mg/kg. *Aristech; BASF Corp.; CasChem; Chisso Corp.; Degussa-Hüls Corp.; Eastman Chem. Co.; Goodrich B.F. Co.; Hall C.P.; Harwick; Inolex; Monsanto Co.; Union Camp.*

1450 Dioctyl adipate

123-79-5 H



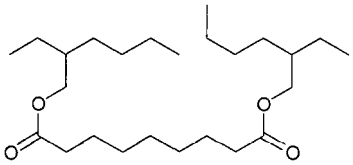
$C_{22}H_{42}O_4$

Bis(2-ethylhexyl) hexanedioate.

Adimoll DO; Adipic acid, dioctyl ester; AI3-17824; Bis(2-ethylhexyl) hexanedioate; Dicaprylyl adipate; Dioctyl adipate; Di-n-octyl adipate; EINECS 204-652-9; Hexanedioic acid, dioctyl ester; HSDB 366; NSC 16201; Octyl adipate.

1451 Dioctyl azelate

103-24-2 G H



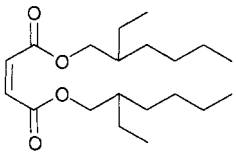
$C_{25}H_{48}O_4$

Bis(2-ethylhexyl) azelate.

3-02-00-01787 (Beilstein Handbook Reference); AI3-07965; Azelaic acid, bis(2-ethylhexyl) ester; Bis-(2-ethylhexyl)ester kyseliny azelaove; Bis(2-ethylhexyl) azelate; BRN 1806182; Di-2-ethylhexyl azelate; Dioctyl azelate; Dioctyl nonanedioate; DOZ; EINECS 203-091-7; Emery 2958; Emolien 2986; HSDB 2859; Octyl azelate; Plasthall® DOZ; Plastolein 9058; Plastolein 9058 DOZ; Plastolein 9058DOZ; Sansocizer DOZ; Staflex DOX; Truflex DOX. Plasticizer. Liquid; mp ◘ -78°; bp_5 = 237°; d^{25} = 0.915; insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Me_2CO, C_6H_6. *Hall C.P.*

1452 Dioctyl maleate

142-16-5 H



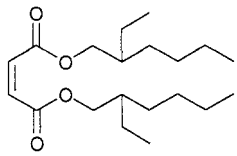
$C_{20}H_{36}O_4$

Di-(2-ethylhexyl)maleate.

4-02-00-02211 (Beilstein Handbook Reference); AI3-07870; Bis-(2-ethylhexyl)ester kyseliny maleinove; Bis(2-ethylhexyl) maleate; BRN 1729133; Di-2-ethylhexyl maleate; Dioctyl maleate; EINECS 205-524-5; HSDB 5481; Maleic acid, bis(2-ethylhexyl) ester; RC Comonomer DOM.

1453 Dioctyl maleate

1330-76-3 G



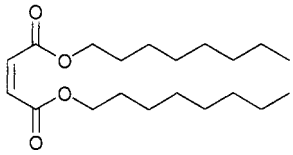
$C_{20}H_{36}O_4$

Diisooctyl maleate.

2-Butenedioic acid (2Z)-, diisooctyl ester; 2-Butenedioic acid (Z)-, diisooctyl ester; Diisooctyl maleate; DIOM; EINECS 215-547-2; HSDB 5812; Maleic acid, diisodecyl ester; Octomer DIOM; NSC 6373; RC Comonomer DIOM. Plasticizer, chemical intermediate. Tiarco.

1454 Dioctyl maleate

2915-53-9 G H



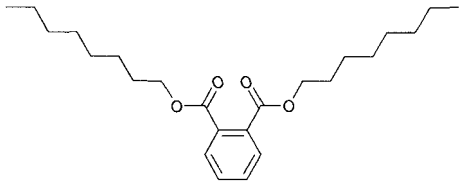
$C_{20}H_{36}O_4$

2-Butenedioic acid (2Z)-, dioctyl ester.

Bis(1-octyl) maleate; 2-Butenedioic acid (2Z)-, dioctyl ester; 2-Butenedioic acid (Z)-, dioctyl ester; Di-n-octyl maleate; Dioctyl maleate; EINECS 220-835-6; Maleic acid, dioctyl ester; Octomer DOM; PX-538. Reagent grade plasticizer and chemical intermediate, e.g. for the production of sulfosuccinates. *Aristech; Tiarco.*

1455 Di-n-octyl phthalate

117-84-0 H



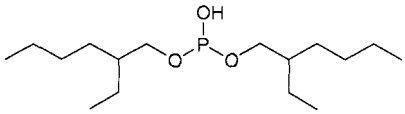
$C_{24}H_{38}O_4$

Di-n-octyl phthalate.

4-09-00-03180 (Beilstein Handbook Reference); AI3-15071 (USDA); Benzenedicarboxylic acid di-n-octyl ester; 1,2-Benzenedicarboxylic acid, dioctyl ester; BRN 1915994; CCRIS 6196; Celluflex DOP; Di-n-octyl phthalate; Dicapryl phthalate; Dinopol NOP; Dioctyl 1,2-benzenedicarboxylate; Dioctyl o-benzenedicarboxylate; Dioctyl phthalate; Dioktylester kyseliny ftalove; DNOP; EINECS 204-214-7; HSDB 1345; NSC 15318; Octyl phthalate; Phthalic acid, dioctyl ester; Polycizer 162; Px-138; RCRA waste number U107; Vinicizer 85. Liquid; mp = 25°; λ_m = 223, 274 nm (cyclohexane).

1456 Dioctyl phosphite

3658-48-8 G



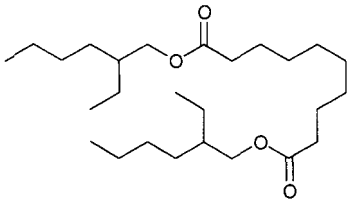
$C_{16}H_{35}O_3P$

Di-2-ethylhexyl phosphite.

4-01-00-01785 (Beilstein Handbook Reference); Bis(2-ethylhexyl) hydrogen phosphite; Bis(2-ethylhexyl) phosphite; Bis(2-ethylhexyl) phosphonate; Bis(2-ethylhexyl) phosphonic acid; BRN 1711893; Chelex H 8; Di-2-ethylhexyl hydrogen phosphite; Diisooctyl phosphite; EINECS 222-904-6; HSDB 2607; NSC 2664; Phosphonic acid, bis(2-ethylhexyl) ester; Phosphorous acid, bis(2-ethylhexyl) ester; Syn-O-Ad® P-310. Used as amine salts in mineral and synthetic base stocks; as load-carrying additives with secondary activity as low-temperature stabilizers and metal deactivators. *Akzo Chemie.*

1457 Dioctyl sebacate

122-62-3 1251 G H



$C_{26}H_{50}O_4$

Bis(2-ethylhexyl) decanedioate.

4-02-00-02083 (Beilstein Handbook Reference); AI3-09124; Bis-(2-ethylhexyl)ester kyseliny sebakove; Bis(2-ethylhexyl) decanedioate; Bis(2-ethylhexyl) sebacate; Bisoflex; Bisoflex DOS; BRN 1806504; CCRIS 6191; Decanedioic acid, bis(2-ethylhexyl) ester; Di(2-ethylhexyl)sebacate; Dioctyl sebacate; DOS; Edenol 888; Edenor DEHS; EINECS 204-558-8; Ergoplast SDO; HSDB 2898; Monoplex DOS; NSC 68878; Octoil S; Plasthall® DOS; Plexol; Plexol 201J; PX 438; Reolube DOS; Reomol DOS; Reomol DDS; Sansocizer DOS; Staflex DOS; Uniflex® DOS. Monomeric plasticizer used in vinyls, plastics, rubber, and lubricants. Liquid; mp = -48°; bp5 = 256°; d^{25} = 0.912; very soluble in EtOH, Me_2CO, C_6H_6. *Hall C.P.; Union Camp.*

1458 Dioxane

123-91-1 3330 G H

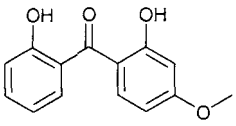
$C_4H_8O_2$

1,4-Dioxane.

5-19-01-00016 (Beilstein Handbook Reference); AI3-01055; BRN 0102551; CCRIS 269; Di(ethylene oxide); Diethylene dioxide; Diethylene ether; 1,4-Diethylene dioxide; Dioksan; Diossano-1,4; Dioxaan-1,4; 1,4-Dioxacyclohexane; Dioxan; p-Dioxan; Dioxan-1,4; Dioxane; 1,4-Dioxane; p-Dioxane; Dioxanne; Dioxyethylene ether; EINECS 204-661-8; Glycol ethylene ether; Glycolethylenether; HSDB 81; NCI-C03689; NE 220; NSC 8728; RCRA waste number U108; Tetrahydro-1,4-dioxin; Tetrahydro-p-dioxin; Tetrahydro-para-dioxin; UN 1165. Stabilizer for chlorinated hydrocarbons; solvent for adhesives, dyes, cellulose, lacquer, wax, pharmaceuticals, and coatings. Clear, mobile liquid; mp = 11.8°; bp = 101.5°; d^{20} = 1.0337; λ_m = 180 nm (ε = 6310, gas); soluble in CCl_4, freely soluble in H_2O, EtOH, Et_2O, Me_2CO, C_6H_6, AcOH; LD_{50} (rat orl) = 5.1 gm/kg. *Ashland; BASF Corp.; Ferro/Grant; Mallinckrodt Inc.; Rit-Chem; Union Carbide Corp.*

1459 Dioxybenzone

131-53-3 3334 D G



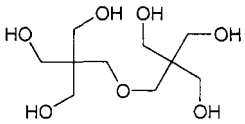
$C_{14}H_{12}O_4$

2,2'-Dihydroxy-4-methoxybenzophenone.

4-08-00-03163 (Beilstein Handbook Reference); Advastab 47; AI3-25363; Benzophenone-8; BRN 2055461; CCRIS 6231; Cyasorb® UV 24; Dioxibenzona; Dioxibenzonum; Dioxybenzon; Dioxybenzone; Dioxybenzonum; EINECS 205-026-8; NSC-56769; Solaquin; Spectra-sorb UV 24; UF 2; UV 24.; component of: Solaquin. Light stabilizer and UV absorber for coatings and plastics, e.g., alkyds, phenolics, PU coatings; stabilizer for polyester film and PVC formulations. Used as an ultraviolet screen in cosmetics and toiletries. Solid; mp ▫ 68°; bp = 170-175°; soluble in EtOH (21.8 g/100 ml), iPrOH (17 g/100 ml), propylene glycol (6.2 g/100 ml), ethylene glycol (3.0 g/100 ml), n-C_6H_{14} (1.5 g/100 ml). *Am. Cyanamid; ICN Pharm. Inc.*

1460 Dipentaerythritol

126-58-9 G H



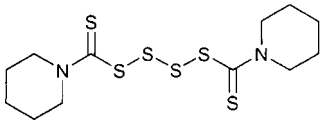
$C_{10}H_{22}O_7$

2,2,2',2'-Tetrakis(hydroxymethyl)-3,3'-oxydipropan-1-ol.

Bis(pentaerythritol); Dipentaerythritol; Dipentek; EINECS 204-794-1; Hercules® Tech Di-PE;; HSDB 5610; NSC 65881; 1,3-Propanediol, 2,2'-(oxybis(methylene))bis(2-(hydroxymethyl)-; 2,2,2',2'-Tetrakis(hydroxymethyl)-3,3'-oxydipropan-1-. Used as intermediate in manufacture of alkyds and drying oils, paints and coatings. Crystals; mp = 212-220°; d = 1.33. *Allchem Ind.; Honeywell & Stein.*

1461 Dipentamethylenethiuram tetrasulfide

120-54-7 G



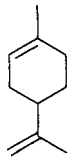
$C_{12}H_{20}N_2S_6$

Bis(piperidinothiocarbonyl) tetrasulfide.

4-20-00-01016 (Beilstein Handbook Reference); AI3-28516; Bis(pentamethylenethiuram)-tetrasulfide; Bis-(piperidinothiocarbonyl) tetrasulphide; BRN 0298051; Dipentamethylenethiuram tetrasulfide; Di-N,N'-penta-methylenethiuram tetrasulfide; EINECS 204-406-0; Nocceler TRA; Noksera TRA; NSC 4823; Perkacit® DPTT; Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-; Sanceler TRA; Soxinol TRA; Sulfads®; Tetrasulfide, bis(pentamethylenethiuram)-; Tetrasulfide, bis(piperidino-thiocarbonyl); Tetron A; Tetrone A; Thiuram MT; Thiuram tetrasulfide, bis(piperidinothiocarbonyl); USAF B-31. Essentially dipentamethylene thiuram hexasulfide; ultra accelerator for NR and synthetic rubbers; vulcanizing agent. *Akzo Chemie; Vanderbilt R.T. Co. Inc.*

1462 Dipentene

138-86-3 5515 G



$C_{10}H_{16}$

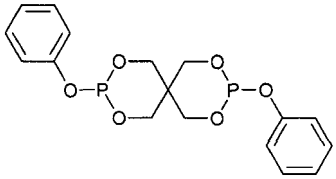
1-Methyl-4-(1-methylethenyl)cyclohexene.

Achilles Dipentene; Acintene DP; Acintene DP dipentene; AI3-00739; Cajeputen; Cajeputene; Caswell No. 526; Cinen; Cinene; Cyclohexene, 1-methyl-4-(1-methylethenyl)-; Dipanol; Dipenten; Dipentene; (±)-Dipentene; Dipentene 200; 4-Isopropenyl-1-methyl-1-cyclohexene; DL-4-Isopropenyl-1-methylcyclohexene; d(R)-4-Isopropenyl-1-methylcyclohexene; (±)-α-Limon-ene; α-Limonene; dl-Limonene; d,l-Limonene; DL-Limonene; EINECS 205-341-0; EINECS 231-732-0; EPA Pesticide Chemical Code 079701; Eulimen; Flavor orange; Goldflush II; HSDB 1809; Inactive limonene; Kautschin; Limonen; Limonene; Limonene, dl-; Mentha-1,8-diene (DL); 1,8-p-Menthadiene; 1,8(9)-p-Mentha-diene; Di-p-mentha-1,8-diene; 1-Methyl-4-isopropenyl-1-cyclohexene; (1)-1-Methyl-4-(1-methylvinyl)cyclohexene; 1-Methyl-4-(1-methylethenyl)cyclohexene; Nesol; NSC 844; NSC 21446; Orange flavor; p-Mentha-1,8-diene, (±)-; p-Mentha-1,8-diene; p-Mentha-1,8-diene, DL-; PC 560; $\Delta^{1,8}$-Terpodiene; UN2052; Unitene.

Solvent for oleoresinous products, rosin, ester gum, etc.; rubber compounding. and reclaiming; dispersant for oils, resins and combinations, pigments, driers, paints, enamels, lacquers: general wetting; printing inks, perfumes, flavors, waxes, polishes. Liquid; mp ▫ -95°; bp = 176°; d^{21} = 0.8402; insoluble in H_2O, soluble in CCl_4, freely soluble in EtOH, Et_2O. *Arizona; Hercules Inc.; Langley Smith Ltd.; Penta Mfg.; SCM Glidco Organics; Veitsiluoto Oy.*

1463 Dipentite

144-35-4 H



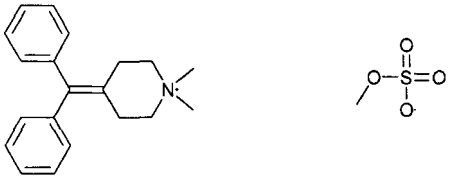
$C_{17}H_{18}O_6P_2$

Diphenyl pentaerythritol diphosphite.

Dipentite; Diphenyl pentaerythritol diphosphite; EINECS 205-625-4; Pentaerythritol bis(phenyl phosphite); Pentaerythritol, cyclic bis(phenyl phosphite); Phos-phorous acid, cyclic neopentanetetrayl diphenyl ester.

1464 Diphemanil methylsulfate

62-97-5 3337 D G V



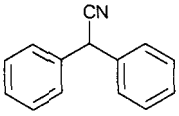
$C_{21}H_{27}NO_4S$

4-(Diphenylmethylene)-1,1-dimethylpiperidinium methyl sulfate.

Ban-Guard (Veterinary); Demotil; Diathal (Veterinary); Diphemanil; Diphemanil methosulfate; Diphemanil methyl sulfate; Diphemanil methylsulfate; Diphemanil methylsulphate; Diphemanil metilsulfate; Diphemanili metilsulfas; Diphemanilum; Diphenmanil methyl sulfate; Diphenmethanil; Diphenmethanil methyl sulfate; 4-(Diphenylmethylene)-1,1-dimethylpiperidinium methyl-sulfate; EINECS 200-552-4; Metilsulfate de diphemanil; Metilsulfato de difemanilo; Nivelon; Nivelona; NSC 41725; Piperidinium, 4-(diphenylmethylene)-1,1-dimethyl-, methyl sulfate; Prantal; Talpran; Vagophemanil methyl sulfate; Variton. Anticholinergic. Used to treat excessive perspiration. Crystals; mp = 194-195°; soluble in H_2O; LD_{50} (rat orl) = 1107 mg/kg, (gpg orl) ▫ 404 mg/kg, (mus orl) = 64 mg/kg. *Schering-Plough Pharm.*

1465 Diphenyl acetonitrile

86-29-3 G



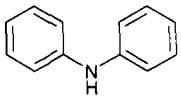
$C_{14}H_{11}N$

α-Phenylbenzylcyanide.

4-09-00-02505 (Beilstein Handbook Reference); Acetonitrile, diphenyl-; AI3-17436; Benzeneacetonitrile, α-phenyl-; Benzhydrylcyanide; Benzyhydrylcyanide; BRN 1911160; Caswell No. 396; α-Cyanodiphenylmethane; Difenylacetonitril; Dipan; Diphenatrile; Diphenyl-α-cyanomethane; Diphenylacetonitrile; Diphenylmethyl-cyanide; EINECS 201-662-5; EPA Pesticide Chemical Code 037901; NSC 130268; α-Phenylbenzene-acetonitrile; α-Phenylphenylacetonitrile; USAF KF-13. Used in preparation of diphenylacetic acid and in synthesis of antispasmodics and herbicides. Prisms; mp = 74.3°; bp_{16} = 184°; λ_m = 247, 252, 258, 264 nm (cyclohexane); soluble in EtOH, Et_2O, less soluble in $CHCl_3$, poorly soluble in ligroin; LD_{50} (rat orl) = 3500 mg/kg. *Andeno; Greeff R.W. & Co.; Janssen Chimica; Lancaster Synthesis Co.*

1466 Diphenylamine

122-39-4 3349 H P



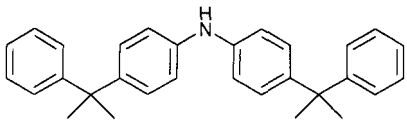
$C_{12}H_{11}N$

N-Phenylbenzenamine.

AI3-00781; Aniline, N-phenyl-; Anilinobenzene; Benzenamine, N-phenyl-; Benzene, (phenylamino)-; Benzene, anilino-; Big Dipper; C.I. 10355; Caswell No. 398; CCRIS 4699; CI 10355; Deccoscald 282; DFA; Difenylamin; Diphenylamine; DPA; EINECS 204-539-4; EPA Pesticide Chemical Code 038501; HSDB 1108; Naugalube 428L; No-Scald; No-Scald DPA 283; NSC 215210; Phenylaniline; Scaldip; Shield DPA. Used as an insecticide. Registered by EPA as a fungicide and herbicide. Colorless crystals; mp = 52.9°; bp = 302°; d = 1.16; insoluble in H_2O, very soluble in EtOH (45.5 g/100 ml), n-PrOH (22.2 g/100 ml), freely soluble in C_6H_6, Et_2O, AcOH, CS_2. *Cerexagri, Inc.; Decco; Generic; Pace International LLC.*

1467 Diphenylamine, 4,4'-bis(α,α-dimethyl-benzyl)-

10081-67-1 H



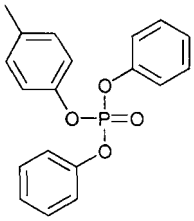
$C_{30}H_{31}N$

Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-meth-yl-1-phenylethyl)phenyl)-.

Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-meth-yl-1-phenylethyl)phenyl)-; Diphenylamine, 4,4'-bis(α,α-dimethylbenzyl)-; EINECS 233-215-5; 4-(1-Methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-aniline.

1468 Diphenylcresyl phosphate

26444-49-5 G



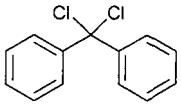
$C_{19}H_{17}O_4P$

Cresyl diphenyl phosphate.

AI3-07853; CCRIS 4773; Cresol diphenyl phosphate; Cresyl diphenyl phosphate; Diphenyl cresol phosphate; Diphenyl cresyl phosphate; Diphenyl tolyl phosphate; Disflamoll® DPK; EINECS 247-693-8; HSDB 6096; Kronitex CDP; Methylphenyl diphenyl phosphate; Methylphenyldiphenyl phosphate; Monocresyl diphenyl phosphate; Phosflex 112; Phosflex® CDP; Phosphoric acid, cresyl diphenyl ester; Phosphoric acid, diphenyl tolyl ester; Phosphoric acid methylphenyl diphenyl ester; Phosphoric acid, methylphenyldiphenyle; Santicizer 140; Tolyl diphenyl phosphate; o-Tolyldiphenylphosphate. Mixture of o, m and p-cresyl isomers. Flame retardant plasticizer for plasticized PVC products; used in air ducts, tarpaulins, driving and conveyor belts, imitation leather, coatings, hoses and extruded goods, cable sheathing and insulation, soles and injection molded items. Liquid; mp ◘ -38°; d = 1.204-1.208; flash point = 233-237° (COC); LD_{50} (rat orl) = 6400 mg/kg. *Bayer AG; FMC Corp.; Miles Inc.; Polysar; Velsicol.*

1469 Diphenyldichloromethane

2051-90-3 G



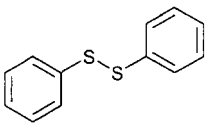
$C_{13}H_{10}Cl_2$

p-Dichlorodiphenylmethane.

Benzene, 1,1'-(dichloromethylene)bis-; Benzophenone dichloride; Dichloro(diphenyl)methane; Dichlorodi-phenyl methane; Dichloroditane; α,α-Dichlorodi-phenylmethane; DPM (halocarbon); EINECS 218-134-5; Methane, dichlorodiphenyl-; NSC 37425. A chemical intermediate. Liquid; bp = 305° (dec), bp_{21} = 190°; d^{18} = 1.235; λ_m = 250 nm (ε ◘ 5120, MeOH); soluble in Et_2O, C_6H_6, CCl_4. *Bakelite Corp.*

1470 Diphenyl disulfide

882-33-7 H



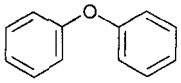
$C_{12}H_{10}S_2$

Phenyldithiobenzene.

AI3-02911; Biphenyl disulfide; Diphenyl disulfide; Diphenyl disulphide; Disulfide, diphenyl; EINECS 212-926-4; FEMA No. 3225; NSC 2689; Phenyl disulfide; Phenyldithiobenzene; USAF E-1. Needles; mp = 62°; bp = 310°; d^{20} = 1.353; λ_m ◘ 239 nm (ε = 1682, 90% EtOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, CS_2.

1471 Diphenyl ether

101-84-8 7372 G H



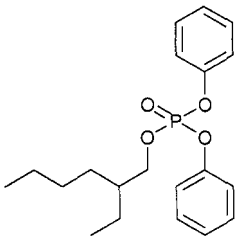
$C_{12}H_{10}O$

Biphenyl oxide.

4-06-00-00568 (Beilstein Handbook Reference); AI3-00749; Benzene, 1,1'-oxybis-; Benzene, phenoxy-; Biphenyl oxide; BRN 1364620; CCRIS 5912; Chemcryl JK-EB; Diphenyl ether; Diphenyl oxide; EINECS 202-981-2; Ether, diphenyl-; FEMA No. 3667; Geranium crystals; HSDB 934; NSC 19311; Oxybisbenzene; Oxydiphenyl; Phenoxybenzene; Phenyl ether; Phenyl oxide. Used in perfumery, soaps; as a heat-transfer medium and chemical intermediate for halogenation, acylation, alkylation. Solid; mp ◘ 26.8°; bp = 258°; d^{30} = 1.0661; λ_m ◘ 207, 217, 248, 280, 286, 295 nm (ε = 39600, 39000, 19500, 17400, 16100, 9170, MeOH); insoluble in H_2O, slightly soluble in $CHCl_3$, soluble in EtOH, Et_2O, C_6H_6, AcOH; LD_{50} (rat orl) = 3370 mg/kg. *Monsanto Co.; Penta Mfg.*

1472 Diphenyl 2-ethylhexyl phosphate

1241-94-7 G H



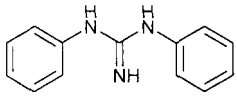
$C_{20}H_{27}O_4P$

Phosphoric acid, 2-ethylhexyl diphenyl ester.

4-06-00-00718 (Beilstein Handbook Reference); AI3-16360; BRN 2568983; CCRIS 6199; Diphenyl-2-ethylhexyl phosphate; EINECS 214-987-2; 2-Ethylhexyldiphenylphosphate; HSDB 370; Octicizer; Phosphoric acid, 2-ethylhexyl diphenyl ester; Santicizer 141. Flame retardant plasticizer for type PVC applications, dip, rotationally, extruded and injection molded parts, mechanical foam. Liquid; bp_5 = 232°; d^{25} = 1.090; LD_{50} (mus ip) = 930 mg/kg. *Akzo Nobel; Ashland; Bayer AG; Harwick; Miles Inc.; Monsanto Co.; Polysar.*

1473 Diphenylguanidine

102-06-7 3356 G H



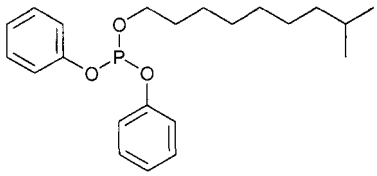
$C_{13}H_{13}N_3$

1,3-diphenylguanidine.

Accelerator D; AI3-00225; Akrochem® DPG; CCRIS 1395; Denax; Denax DPG; DFG; 1,3-Difenylguanid; Diphenylguanidine; 1,3-Diphenylguanidine; N,N'-Diphenylguanidine; s-Diphenylguanidine; DPG; DPG accelerator; Dwufenyloguanidyna; Dynamine; EINECS 203-002-1; Guanidine, 1,3-diphenyl-; Guanidine, N,N'-diphenyl-; HSDB 5345; Melaniline; NCI-C60924; Nocceler D; NSC 3272; Perkacit® DPG; USAF B-19; USAF EK-1270; Vanax® DPG; Vulcafor DPG; Vulcaid DPG; Vulkacit D; Vulkacit D/C; Vulkacite D; Vulkazit. Accelerator for NR and SR; secondary accelerator. A medium accelerator for use with thiazoles and sulfenamides in various rubber products. Needles; mp = 150°; bp = 170° (dec); d^{20} = 1.13; λ_m = 242 nm (MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, CCl_4, $CHCl_3$, C_7H_8.

1474 Diphenyl isodecyl phosphite

26544-23-0 G H



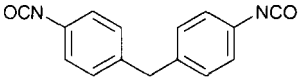
$C_{22}H_{31}O_3P$

Isodecyl diphenyl phosphite.

Chelex MD; Diphenyl isodecyl phosphite; DPDP; EINECS 247-777-4; Isodecyl alcohol, diphenyl phosphite; Isodecyl diphenyl phosphite; Mark 135A; Phoselere T 26; Phosphorous acid, isodecyl diphenyl ester; Weston DPDP. Chelating agent with metal carboxylates as polymer additives, especially for chlorinated polymers such as PVC and chlorinated PE; improves color, heat and light stability. Liquid; bp = 190°; d = 1.022-1.032; flash point = 154°. *Akzo Chemie; Dover.*

1475 Diphenylmethyl diisocyanate

101-68-8 G H



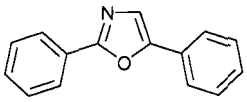
$C_{15}H_{10}N_2O_2$

4,4'-Methylenediphenylene diisocyanate.

4-13-00-00396 (Beilstein Handbook Reference); AI3-15256; Benzene, 1,1'-methylenebis(4-isocyanato-; Bis(1,4-isocyanatophenyl)methane; BRN 0797662; Caradate 30; CCRIS 2303; Desmodur 44; Di-(4-isocyanatophenyl)methane; Difenil-metan-diisocianato; Difenylmethaan-dissocyanaat; Diphenyl methane diisocyanate; Diphenylmethane diisocyanate; Diphenylmethyl diisocyanate; EINECS 202-966-0; HSDB 2630; Hylene M50; Isocyanic acid, ester with diphenylmethane; Isocyanic acid, methylenedi-p-phenylene ester; Isonaphthol; Isonate; Isonate 125 MF; Isonate 125M; MDI; MDR; Methylbisphenyl isocyanate; Nacconate 300; NCI-C50668; NSC 9596; Rubinate® 44; Rubinate® LF-168; UN2489. A raw material in polyurethane resins. The polyurethanes are of the thermosetting type of plastic and the polymerization is a polyaddition reaction. Monomer used in the preparation of polyurethane resin; bonding rubber to rayon and nylon. Used in manufacturing of high performance polyurethane elastomeric materials including reaction injection molding processed and cast elastomers, sealants, coatings, and adhesives. Solid; mp = 37-39°; bp_5= 194°; d = 1.1900; LD_{50} (mus orl) = 2200 mg/kg. *Allchem Ind.; BASF Corp.; ICI; ICI Chem. & Polymers Ltd.; Miles Inc.*

1476 Diphenyloxazole

92-71-7 G



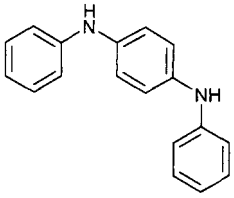
$C_{15}H_{11}NO$

2,5-Diphenyl-1,3-oxazole.

4-27-00-01435 (Beilstein Handbook Reference); BRN 0157021; 2,5-Diphenyloxazole; DPO (scintillator); EINECS 202-181-3; NSC 24856; Oxazole, 2,5-diphenyl-; PPO (scintillator); Tritosol; USAF EK-6775; DPO. Primary fluor used in scintillation counters or in wavelength shifters. Solid; mp = 74°; bp = 360°; d^{100} = 1.0940; λ_m = 205, 220, 302 nm (MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$. *E. I. DuPont de Nemours Inc.; Penta Mfg.; Spectrum Chem. Manufacturing.*

1477 N,N'-Diphenyl-4-phenylenediamine

74-31-7 3361 G



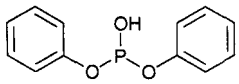
$C_{18}H_{16}N_2$

4,4'-Diphenyl-p-phenylenediamine.

4-13-00-00116 (Beilstein Handbook Reference); AgeRite DPPD; AI3-14323; Altofane DIP; Antage DP; Antigene P; Antioxidant H; 1,4-Benzenediamine, N,N'-diphenyl-; 1,4-Bis(phenylamino)benzene; BRN 2215944; CCRIS 3500; DFFD; Diafen FF; 1,4-Dianilinobenzene; Diphenyl-p-phenylenediamine; DPPD; EINECS 200-806-4; Ekaland DPPD; Flexamine G; HSDB 2894; N,N-Diphenyl-1,4-benzenediamine; N,N'-Difenyl-p-fenylendiamin; N,N'-Diphenyl-1,4-phenylenediamine; Nocrac DP; Nonflex H; Nonox DPPD; NSC 5761; p-Bis(phenylamino)benzene; p-Phenylaminodiphenylamine; 4-Phenylaminodiphenyl-amine; p-Phenylenediamine, N,N'-diphenyl-; Permanax 18; Permanax DPPD; Stabilizer DPPD; USAF GY-2. An antioxidant for use in rubber, polyethylene, petroleum and vegetable oils; in natural rubber, it protects against copper and manganese and gives protection against outdoor flexing and static weather cracking; protects against thermal oxidation in polyethylene, inhibits gum formation and degradation at elevated temperatures in petroleum oils. Solid; mp = 144-153°; $bp_{0.5}$ = 220-225°; d = 1.28; insoluble in H_2O, soluble in Me_2CO, C_7H_8, $CHCl_3$; LD_{50} (rat orl) = 2370 mg/kg. *Akzo Chemie; Uniroyal; Vanderbilt R.T. Co. Inc.*

1478 Diphenyl phosphite

4712-55-4 G



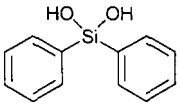
$C_{12}H_{11}O_3P$

Phosphonic acid, diphenyl ester.

Diphenoxyphosphine oxide; Diphenyl hydrogen phosphite; Diphenyl phosphite; Diphenyl phosphonate; Doverphos® DPP; Doverphos® 213; EINECS 225-202-8; NSC 43786; Phenyl phosphonate; Phenyl phosphonate, $(PhO)_2HPO$; Phosphonic acid, diphenyl ester; Weston® DPP; DPP. Stabilizer used in epoxies, hot-melt adhesives, PU, polyester, SBR, PP; in molding and extrusion of PP, HDPE, LDPE, HIPS, PC, ABS, PVC, polyesters, in calendering of ABS, PVC; in film applications of PP, PE, PVC; fiber applications of PP, polyesters. Used in the synthesis of organophosphorous compounds; color stabilizer for unsaturated polyesters; stabilizer for PVC; antioxidant for PP. Liquid; mp = 12°; bp_{26} = 218-219°; d = 1.2230; insoluble in H_2O. *Dover; Fluka; GE Specialities; Janssen Chimica; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1479 Diphenylsilanediol

947-42-2 G



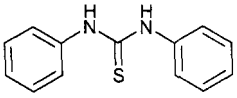
$C_{12}H_{12}O_2Si$

Dihydroxydiphenylsilane.

4-16-00-01523 (Beilstein Handbook Reference); AI3-51470; BRN 2523445; CD6150; Difenyl-dihydroxysilan; Diphenyldihydroxysilane; Diphenylsilanediol; EINECS 213-427-4; NSC 12561; Silane, dihydroxydiphenyl-; Silanediol, diphenyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; LD_{50} (mus orl) = 2150 mg/kg. *Degussa-Hüls Corp.*

1480 Diphenylthiourea

102-08-9 3366 G



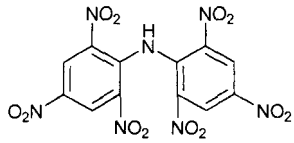
$C_{13}H_{12}N_2S$

1,3-Diphenylthiourea.

A-1 Thiocarbanilide; Activit; AI3-00852; Akrochem® Thio No. 1; Carbanilide, thio-; CCRIS 5941; DFT; 1,3-Difenylthiomocovina; N,N'-Diphenylthiocarbamide; Di-phenylthiourea; 1,3-Diphenyl-2-thiourea; N,N'-Diphenyl-thiourea; s-Diphenylthiocarbamide; sym-Diphenylthiourea; EINECS 203-004-2; 2-Fenylotiomocznik; HSDB 2758; Nocceler C; NSC 28134; Rhenocure CA; Stabilisator C; Sulfocarbanilide; Thiocarbanilide; Thiokarbanilid; Thiourea, N,N'-diphenyl-; Thiourea, s-diphenyl-; Thiourea, sym-diphenyl-; Urea, 1,3-diphenyl-2-thio-; USAF EK-245; Vulkacit CA. Vulcanization accelerator for fast-curing repair stocks; neoprene latex, natural rubber latex and cements; an activator for thiazole accelerators. Accelerator for CR latex, natural rubber latex, and cements, ethylene-propylene-diene rubbers sponge compounds; activates thiazole accelerators; essentially nondiscoloring. Used as a vulcanizing accelelrator and in manufacture of sulfur dyes. Crystals; mp = 154.5°; d^{25} = 1.32; λm:Is = 274 nm (MeOH); slightly soluble in H_2O, very soluble in EtOH, Et_2O, $CHCl_3$, oils; MLD (rbt orl) = 1.5 g/kg. *Akrochem Chem. Co.; Monsanto Co.*

1481 Dipicrylamine

131-73-7 3369 G



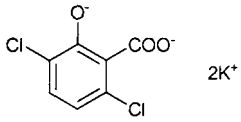
$C_{12}H_5N_7O_{12}$

2,4,6-Trinitro-N(2,4,6-trinitrophenyl)benzenamine.

4-12-00-01737 (Beilstein Handbook Reference); Aurantia; Benzenamine, 2,4,6-trinitro-N-(2,4,6-trinitrophenyl)-; Bis(2,4,6-trinitrophenyl)amine; BRN 0735589; C.I. 10360; CCRIS 5347; Diphenylamine, hexanitro-; Diphenylamine, 2,2',4,4',6,6'-hexanitro-; Dipicrylamine; Dipikrylamin; EINECS 205-037-8; Esanitrodifenilamina; Hexamine; Hexamine (potassium reagent); Hexa-nitrodifenylamine; Hexanitrodiphenylamine; 2,2',4,4',6, 6'-Hexanitrodifenylamin; Hexanitrodiphenylamine; 2,2', 4,4',6,6'-Hexanitrodiphenylamine; 2,4,6,2',4',6'-Hexa-nitrodiphenylamine; Hexil; Hexite; Hexyl; HSDB 2873; NSC 1786; 2,4,6-Trinitro-N-(2,4,6-trinitrophenyl)benzen-amine; UN0079. Used as a booster explosive and in gravimetric analysis for potassium. Pale yellow prisms; mp = 244° (dec); λ_m = 205, 384 nm (ε = 34200, 18900, MeOH); insoluble in H_2O, EtOH, C_6H_6, CCl_4, C_7H_8, C_5H_5N, alkali, slightly soluble in Et_2O, Me_2CO.

1482 Dipotassium 3,6-dichlorosalicylate

68938-80-7 H



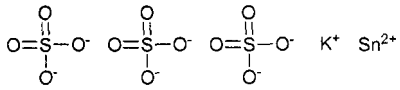
$C_7H_2Cl_2K_2O_3$

Benzoic acid, 3,6-dichloro-2-hydroxy-, dipotassium salt.

Benzoic acid, 3,6-dichloro-2-hydroxy-, dipotassium salt; Dipotassium 3,6-dichlorosalicylate; EINECS 273-146-8.

1483 Dipotassium tin bis(sulfate)

27790-37-0 G



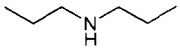
$K_2O_{12}S_3Sn$

Potassium stannosulfate.

Dipotassium tin bis(sulphate); EINECS 248-659-5; Marignac's salt; Potassium stannosulfate; Sulfuric acid, potassium tin(2+) salt (2:2:1). Solid; decomposed by H_2O.

1484 Dipropylamine

142-84-7 3377 H



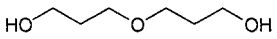
$C_6H_{15}N$

Di-n-propylamine.

4-11-00-00122 (Beilstein Handbook Reference); AI3-24037; BRN 0505974; CCRIS 4805; Dipropylamine; Di-n-propylamine; n-Dipropylamine; EINECS 205-565-9; HSDB 2644; RCRA waste number U110; UN2383. Liquid; mp = -63°; bp = 109.3°; d^{20} = 0.7400; soluble in H_2O, EtOH, very soluble in Me_2CO, C_6H_6.

1485 Dipropylene glycol

25265-71-8 H



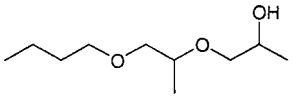
$C_6H_{14}O_3$

4-Oxa-2,6-heptandiol.

Caswell No. 399E; CCRIS 475; Dipropylene glycol; Dipropylenglykol; EINECS 246-770-3; EPA Pesticide Chemical Code 068604; HSDB 2658; 4-Oxa-2,6-heptandiol; Oxybispropanol; 1,1'-Oxybis(2-propanol); Oxydipropanol; Propanol, oxybis-.

1486 Dipropylene glycol butoxy ether

29911-28-2 H



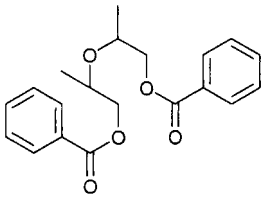
$C_{10}H_{22}O_3$

2-Propanol, 1-(2-butoxy-1-methylethoxy)-.

4-01-00-02474 (Beilstein Handbook Reference); BRN 1743918; 1-(2-Butoxy-1-methylethoxy)-2-propanol; Butyl dipropasol solvent; Dipropylene glycol butoxy ether; Dipropylene glycol monobutyl ether; Dipropylene glycol monobutyl ether; Dowanol 54B; EINECS 249-951-5; 2-Propanol, 1-(2-butoxy-1-methylethoxy)-.

1487 Dipropylene glycol, dibenzoate

27138-31-4 H



$C_{20}H_{22}O_5$

Polypropylene glycol (2) dibenzoate.

Benzoflex 9-88; Dipropylene glycol dibenzoate; EINECS 248-258-5; Finsolv PG 22; Oxybispropanol dibenzoate; Oxydipropyl dibenzoate; Polypropylene glycol (2) dibenzoate; PPG-2 Dibenzoate; Propanol, oxybis-, dibenzoate.

1488 Dipropylene glycol monomethyl ether

34590-94-8 3378 G H

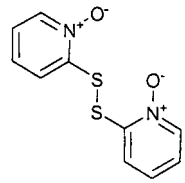
$C_7H_{16}O_3$

(2-Methoxymethylethoxy)propanol.

Arcosolv DPM; Bis(2-(methoxypropyl) ether; 1,4-Dimethyl-3,6-dioxa-1-heptanol; Dipropylene glycol methyl ether; Dipropylene glycol, monomethyl ether; Dowanol-50B; Dowanol DPM; DPGME; EINECS 252-104-2; Glysolv DPM; HSDB 2511; Icinol DPM; Kino-red; (2-Methoxymethylethoxy)propanol; 1-(2-Methoxyiso-propoxy)-2-propanol; Poly-Solv® DPM; PPG-2 methyl ether; Propanol, (2-methoxymethylethoxy)-; Propanol, 1(or 2)-(2-methoxymethylethoxy)-; Ucar solvent 2LM. Solvent for use in protective coatings, inks, cleaning products, agricultural chemicals; aids wetting, penetration, and soil removal; coupling solvent. Used in brake fluids, hard-surface cleaners, leather dyeing, paints, coatings, printing inks, textile vat dyeing and printing, adhesives, antifreeze, floor waxes/polishes, insect repellents; solubilizer for dyes; plasticizer. Liquid; mp = -83°; bp = 190°; d_4^{25} = 0.948; n_D^{25} = 1.419; soluble in H_2O, organic solvents; LD_{50} (rbt orl) = 5.4 mg/kg. *ICI; Olin Corp.*

1489 Dipyrithione

3696-28-4 D G



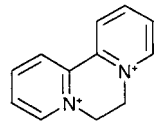
$C_{10}H_8N_2O_2S_2$

Bispyrithione.

5-21-02-00055 (Beilstein Handbook Reference); Bispyrithione; BRN 0217725; Dipiritiona; Dipyrithione; Dipyrithionum; EINECS 223-024-5; NSC 241716; NSC 84740; Omadine disulfide; Omadine DS; Omadine® MDS; OMDS; OSY 20. An antidandruff agent for nonalkaline hair care products; antimicrobial agent for Gram-negative and Gram-positive bacteria; also inhibits the growth of fungi. Formulated with $MgSO_4$. Crystals; mp = 205° (dec). *Olin Corp.*

1490 Diquat

2764-72-9 H P



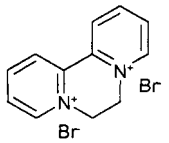
$(C_{12}H_{12}N_2)^{2+}$

6,7-Dihydropyrido[1,2-a:2',1'-c]pyrazinediium.

9,10-Dihydro-8a,10a-diazoniaphenanthrene; 9,10-Di-hydro-8a,10a-diazoniaphenanthrene ion; 6,7-Dihydro-dipyrido(1,2-a:2',1'-c)pyrazinediylium; 6,7-Dihydrodi-pyrido(1,2-a:2',1'-c)pyrazine-5,8-di-ium; 6,7-Dihydrodi-pyrido(1,2-a:2',1'-c)pyrazinediium; Dipyrido(1,2-a:2',1'-c)pyrazinediium, 6,7-dihydro-; Diquat; Diquat dication; EINECS 220-433-0; 1,1'-Ethylene-2,2'-bipyridylium ion; 1,1'-Ethylene-2,2'-bipyridyldylium ion. Non-selective contact herbicide. Absorbed by foliage. Used for pre-harvest dessication of many crops, for control of emergent and submerged aquatic weeds, weed control on non-crop land and in sugar cane. Yellow crystals; mp >300° (dec); d^{20} ■ 1,24; very soluble in H_2O (70 g/100 ml), slightly soluble in EtOH, Et_2O, Me_2O, insoluble in C_6H_6, petroleum ether; LD_{50} (rat orl) = 231 mg/kg, (mus orl) = 125 mg/kg, (rbt orl) ■ 187 mg/kg, (dog orl) = 1000-200 mg/kg, (cow orl) = 37 mg/kg, (hen orl) = 200-400 mg/kg, (partridge orl) = 295 mg/kg; LC_{50} (rainbow trout 96 hr.) = 21 mg/l, (mirror carp 96 hr.) = 67 mg/l; non-toxic to bees. *ICI Agrochemicals.*

1491 Diquat dibromide

85-00-7 3386 G H



$C_{12}H_{12}Br_2N_2$

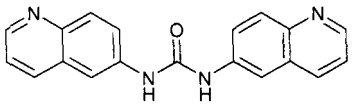
6,7-Dihydropyrido[1,2-a:2',1'-c]pyrazinediium dibromide.

1,1'-Äthylen-2,2'-bipyridinium-dibromid; Aquacide; Aquicide; Caswell No. 402; Cleansweep; Deiquat; Deiquat dibromide; Detrone; Dextrone; Dihydro-8a,10a-diazoniaphenanthrene dibromide; Katalon; Dihydro-dipyrido(1,2-a:2',1'-c)pyrazinediium dibromide; 6,7-Dihydro-Dipyrido[1,2-a:2',1-c]pyrazinediium dibromide; 6,7-

dihydropyrido(1,2-a:2',1'-c)pyrazinediium dibromide; 9,10-Dihydro-8a,10a-diazoniaphenanthrene dibromide; 9,10-Dihydro-8a,10a-diazoniaphenanthrene; (1,1'-ethyl-ene-2,2'-bipyridylium)dibromide; Dipyrido(1,2-a:2',1'-c)-pyrazinediium, 6,7-dihydro-, dibromide; Diquat; Diquat dibromide; EPA Pesticide Chemical Code 032201; [6385-62-2] - diquat dibromide monohydrate. Registered by EPA as a herbicide and plant growth regulator. Colorless-yellow crystals; mp = 337°; d^{20} = 1.24; λ_m ■ 308.31 nm (ε 18000); very soluble in H_2O (70 g/100 ml), slightly soluble in alcohols, polar solvents; insoluble in non-polar solvents; LD_{50} (rat orl) = 231 mg/kg, (mus orl) = 125 mg/kg, (rbt orl) = 187 mg/kg, (dog orl) = 100 - 200 mg/kg, (cow orl) = 37 mg/kg, (rbt der) > 750 mg/kg, (hen orl) = 200 - 400 mg/kg, (partridge orl) = 295 mg/kg; LC_{50} (rainbow trout 96 hr.) = 21 mg/l, (mirror carp 96 hr.) = 67 mg/l; non-toxic to bees. *ABC Compounding Co.; Frank Miller & Sons, Inc.; Makhteshim Chemical Works Ltd.; Monsanto Co.; Syngenta Crop Protection; Value Gardens Supply LLC.*

1492 1,3-Di-6-quinolylurea

532-05-8 3387 G V



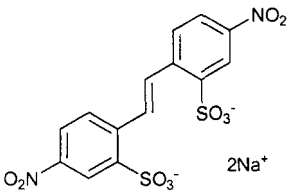
$C_{19}H_{14}N_4O$

Bis(6-quinolyl)urea.

Acaprin®; Atral; Baburan; 1,3-Di-6-quinolylurea; sym-Di-(6-quinolyl)urea; 6,6'-Diquinolinylurea; EINECS 208-525-9; N,N'-Di-6-quinolinylurea; Pirevan; Pyroplasmin; SN 5870; Zothelone. Chemotherapeutic against piroplasmosis (babesiasis); used in veterinary medicine. Crystals; mp = 237° (dec). *Bayer AG.*

1493 Disodium 4,4'-dinitro-2,2'-stilbenedisulfon-ate

3709-43-1 H



$C_{14}H_8N_2Na_2O_{10}S_2$

2,2'-(1,2-Ethenediyl)bis(5-nitrobenzenesulfonic acid), di-sodium salt.

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis(5-nitro-, disodium salt; 4,4'-Dinitrostilbene-2,2'-disulfonic acid, disodium salt; Disodium 4,4'-dinitro-2,2'-stilbene-disulfonic acid; Disodium 4,4'-dinitro-2,2'-stilbene-disulfonate; Disodium 4,4'-dinitrostilbene-2,2'-disulphon-ate; EINECS 223-051-2; NSC 163175; 2,2'-Stilbenedisulfonic acid, 4,4'-dinitro-, disodium salt.

1494 Disodium decyl(sulphonatophenoxy)-benzenesulfonate

36445-71-3 H

$C_{22}H_{28}Na_2O_7S_2$

Decyl phenoxybenzenedisulfonic acid, disodium salt.

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt; Decyl phenoxybenzenedisulfonic acid, disodium salt; Decyl(sulfophenoxy)benzenesulfonic acid, disodium salt; Disodium decyl(sulphonatophenoxy)benzene-sulphonate; EINECS 253-040-8.

1495 Disodium dodecyl(sulphonatophenoxy)-benzenesulfonate

28519-02-0 H

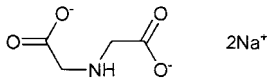
$C_{24}H_{32}Na_2O_7S_2$

Benzenesulfonic acid, dodecyl(sulfophenoxy)-, disodium salt.

Benzenesulfonic acid, dodecyl (sulfophenoxy)-, disodium salt; Benzenesulfonic acid, dodecyloxydi-, disodium salt; Disodium dodecyl(sulphonatophenoxy)benzenesulphon-ate; Dodecylphenoxybenzenedisulfonic acid, disodium salt; EINECS 249-063-8.

1496 Disodium iminodiacetate

928-72-3 H



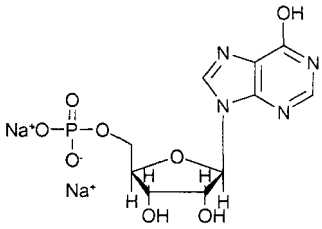
$C_4H_5NNa_2O_4$

Glycine, N-(carboxymethyl)-, disodium salt.

Acetic acid, iminodi-, disodium salt; AI3-52517; Disodium iminodiacetate; EINECS 213-181-8; Glycine, N-(carboxymethyl)-, disodium salt; Iminodiacetic acid, disodium salt; Iminodiacetic acid sodium salt; Iminodioctan disodny; Iminodioctan sodny; NSC 147496.

1497 Disodium inosinate

4691-65-0 G



$C_{10}H_{13}N_4O_8P \cdot 2Na$

Sodium inosinate.

CCRIS 6560; Disodium inosinate; Disodium 5'-inosinate; Disodium inosine 5'-monophosphate; Disodium inosine 5'-phosphate; EINECS 225-146-4; FEMA No. 3669; Gluxor® 1626; IMP disodium salt; IMP sodium salt; 5'-Imp disodium salt; 5'-inosinic acid, disodium salt; Inosin-5'-monophosphate disodium; Inosine-5'-monophosphate disodium; Inosine 5'-monophosphate disodium salt hydrate; Inosine-5'-monophosphoric acid disodium salt; Luxor® 1639; NSC 20263; Sodium inosinate; Sodium 5'-inosinate IMP sodium; Disodium IMP; Sodium 5-inosinate; Disodium 5'-inosinate; Inosine 5'-disodium phosphate. A 5'-nucleotide derived from seaweed or dried fish; Flavor potentiator in foods. Solid; soluble in H_2O; slightly soluble in alcohol; insoluble in ether; LD_{50} (rat orl) = 15,900 mg/kg. *Lancaster Synthesis Co.; Penta Mfg.*

1498 Disodium laneth-5 sulfosuccinate

68890-92-6 G

$C_{14}H_{26}O_5.2Na$

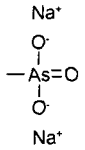
Sulfobutanedioic acid, 4-isodecyl ester, sodium salt.

Butanedioic acid, sulfo-, laneth-5 ester, disodium salt; Disodium laneth-5 sulfosuccinate; Incrosul LAFS; Lanolin alcohol, ethoxylated, sulfosuccinate, disodium salt; Poly(oxy-1,2-ethanediyl), α-(3-carboxy-1-oxosulfopropyl)-ω-hydroxy-, ethers with lanolin alcs, disodium salts; Rewolan® 5; Succinic acid, sulfo-, laneth-5 ester, disodium salt; Sulfobutanedioic acid, laneth-5 ester, disodium salt.

Mild, low foaming, conditioning surfactant with good emulsifying properties used in personal care products Liquid; pH = 6.5-7.5. *Croda; Witco/Oleo-Surf.*

1499 Disodium methanearsonate

144-21-8 GHP



$CH_3AsNa_2O_3$

Methylarsonic acid, disodium salt.

Arrhenal; Ansar 184; Ansar 8100; Ansar DSMA Liquid; Arrhenal; Arsinyl; Arsonic acid, methyl-, disodium salt; Arsynal; Cacodyl New; Calar-E-Rad; Caswell No. 405; Chipco Crab Kleen; Crab-3-rad 100; Cralo-E-rad; Dal-E-Rad 100; Di-tac; Diarsen; Dimet; Dinate; Disodium methanarsonate; Disodium methanearsenate; Disodium methanearsonate; Disodium methyl arsenate; Disodium methyl arsonate; Disomear; DMA; DMA 100; Drexel DSMA liquid; DSMA; DSMA liquid; EINECS 205-620-7; EPA Pesticide Chemical Code 013802; HSDB 1701; Jon-trol; Maa sodium salt; Methanearsonic acid, disodium salt; Methar; Methar 30; Metharsan; Metharsinat; Methylarsonat disodny; Methylarsonic acid, disodium salt; Namate; Neo-Asycodile; NSC 5270; Sodar; Sodium methanearsonate; Sodium metharsonate; Sodium methylarsonate; Somar; Stenosine; Tonarsan; Tonarsin; Versar DSMA LQ; Weed broom; Weed-E-rad 360; Weed-E-Rad; Weed-E-Rad DMA Powder; Weed-hoe. Selective contact herbicide. Registered by EPA as a herbicide, rodenticide and insecticide. [hexahydrate]: Colorless crystals; mp = 132 -139°; freely soluble in H_2O (27.9 g.100 ml, anhydrous), soluble in MeOH, insoluble in most other organic soplvents; LD_{50} (rat orl) = 1800 mg/kg, (rbt der) = 10000 mg/kg. *Bonide Products, Inc.; Cleary Chemical Corp.; Cleary W. A.; Drexel Chemical Co.; Earth Care; KMG-Bernuth Inc.; Luxembourg-Pamol, Inc.; PBI/Gordon Corp; UAP - Platte Chemical.*

1500 Disodium octaborate tetrahydrate

12280-03-4 GP

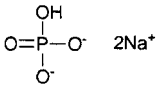
$B_8Na_2O_{13}$

Disodium octaborate.

Boric acid ($H_2B_8O_{13}$), disodium salt, tetrahydrate; Boric acid, disodium salt, tetrahydrate; Boron sodium oxide, tetrahydrate; Caswell No. 406B; Disodium octaborate tetrahydrate; EPA Pesticide Chemical Code 011103; FLEABOR; Polybor 3; Tim-Bor; Timbor. Fire retardant for treatment of lumber. Registered by EPA as an insecticide, fungicide and herbicide. *Borax Consolidated Ltd; Environmental Laboratories, Inc.; Honolulu Wood Treating Co.; Osmose Inc.; U.S. Borax.*

1501 Disodium phosphate

7558-79-4 8733 DGP



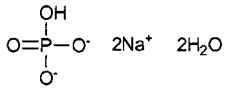
HNa_2O_4P

Sodium phosphate, dibasic, anhydrous.

Acetest; Caswell No. 778; CCRIS 5931; Dibasic sodium phosphate; Disodium acid orthophosphate; Disodium acid phosphate; Disodium hydrogen phosphate; Disodium hydrogenorthophosphate; Disodium hydro-phosphate; Disodium monohydrogen phosphate; Disodium orthophosphate; Disodium phosphate, anhydrous; Disodium phosphoric acid; DSP; EINECS 231-448-7; EPA Pesticide Chemical Code 076403; Exsiccated sodium phosphate; FEMA Number 2398; HSDB 376; Natriumphosphat; Phosphate of soda; Phosphoric acid, disodium salt; Salt Perlate; secondary Sodium phosphate; Soda phosphate; Sodium acid phosphate, anhydrous; Sodium hydrogen phosphate; Sodium monohydrogen phosphate (2:1:1); Sodium orthophosphate, secondary; Sodium phosphate; Sodium phosphate ($NaHPO_4$); Sodium phosphate, dibasic; Sodium phosphate, exsiccated; Tasteless salts. Inorganic salt of phosphoric acid, disodium salt controls pH in mildly alkaline solutions; used in food products, water treatment, animal feed, textiles, pharmaceuticals, chemicals, fertilizers, detergents. Used as a chelator, emulsifier and buffer. Also as a cathartic or (vet) laxative. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). FDA GRAS, Japan approved, FDA approved for buccals, parenterals, ophthalmics, vaginals, USP/NF, BP, Ph.Eur. compliant. Used in buccals, parenterals, ophthalmics, vaginals and enemas. Used in chemicals, fertilizers, pharmaceuticals, textiles, food additives, used in boiler water treatment, fireproofing wood and paper, detergents, ceramic glaze, soldering elements and tanning. Hygroscopic powder; on exposure to air absorbs 2-7 moles H_2O; soluble in H_2O (12 g/100 ml), insoluble in alcohol; pH of 1% aq soln = 9.1. *Albright & Wilson Americas Inc.; Monsanto Co.; Rhône-Poulenc; U.S. BioChem.; Whiting Peter Ltd.*

1502 Disodium phosphate

10028-24-7 8733 DG



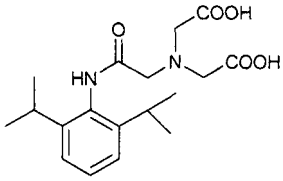
$HNa_2O_4P.2H_2O$

Sodium phosphate, dibasic dihydrate.

DSP-2; Disodium hydrogen phosphate, dihydrate; Metro I.V.; Sodium phosphate; Sorenson's phosphate; Sorensen's sodium phosphate. Controls pH in mildly alkaline solutions. Used medicinally as a laxative-cathartic. [heptahydrate]; crystals or granular powder; d = 1.7; soluble in H_2O (25 g/100 ml), insoluble in alcohol; pH = 9.5; LD_{50} (rat orl) = 12.93 g/kg. *Albright & Wilson Americas Inc.; McGaw Inc.; Monsanto Co.; Rhône-Poulenc; U.S. BioChem.*

1503 Disofenin

65717-97-7 3393 G

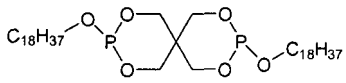


((((2,6-Diisopropylphenyl)carbamoyl)methyl)imino)di-acetic acid.

Disofenin; Disofenine; Disofenino; Disofeninum; Glycine, N-(2-((2,6-bis(1-methylethyl)phenyl)amino)-2-oxoethyl)-N-(carboxymethyl)-; Hepatolite. The ^{99m}Tc-complex is used as a radioactive imaging agent. As a diagnostic aid, the radioactive agent is used to measure liver function. White crystals; mp = 196-198°; insoluble in H_2O. *DuPont.*

1504 Distearyl pentaerythritol diphosphite

3806-34-6 GH



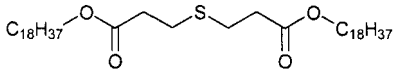
$C_{41}H_{82}O_6P_2$

2,4,8,10-Tetraoxa-3,9-diphosphaspiro(5.5)undecane, 3,9-bis(octadecyloxy)-.

2,4,8,10-Tetraoxa-3,9-diphosphaspiro(5.5)undecane, 3,9-bis(octadecyloxy)-; EINECS 223-276-6; O,O'-Dioctadecylpentaerythritol bis(phosphite). Color stabilizer and melt flow aid for polymer processing; antioxidant. Crystals; mp = 40-70°; d = 0.920-0.935. *Dover; GE Specialities; Sigma-Aldrich Fine Chem.*

1505 Distearyl thiopropionate

693-36-7 G H



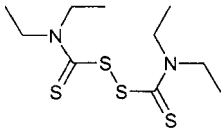
$C_{42}H_{82}O_4S$

Dioctadecyl 3,3'-thiobispropanoate.

Advastab 802; Advastab PS 802; Alkanox® 240-3T; Antage STDP-N; Antiok S; Antioxidant STDP; Arbestab DSTDP; BRN 2229929; Carstab® DSTDP; Cyanox-stdp; Cyanox STDP; Dioctadecyl 3,3'-thiobispropanoate; Dioctadecyl thiodipropionate; Distearyl β,β'-thio-di-propionate; Distearyl 3,3'-thiodipropionate; DSTDP; DSTP; EINECS 211-750-5; Evanstab® 18; Hostanox SE 2; Hostanox SE 4; Hostanox VP-SE 2; HSDB 5746; Irganox PS 802; Lusmit SS; Naugard DSTDP; NSC 65493; Plastanox STDP; Plastanox STDP Antioxidant; PS 802; Seenox DS; Sumilizer TPS; Thio 1; Thiodipropionic acid, distearyl ester; Varox DSTDP; Yoshinox DSTDP. An antioxidant, plasticizer, softening agent; antioxidant for cosmetics, pharmaceuticals; stabilizer for plastics and elastomers. Long-term heat aging stabilizer in conjunction with primary antioxidants; for PP, HDPE. Used in food-pkg. materials and edible fats and oils. Solid; mp = 58-62°; bp = 360°; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) > 2500 mg/kg. *Am. Cyanamid; CK Witco Chem. Corp.; Cytec; EniChem Am.; Evans Chemetics; Hampshire; Hoechst AG; ICI Americas Inc.; Morton Intn'l.; Sigma-Aldrich Fine Chem.*

1506 Disulfiram

97-77-8 3399 D G H



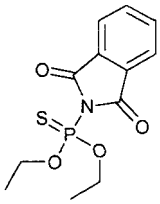
$C_{10}H_{20}N_2S_4$

Thioperoxydicarbonic diamide ([(H2N)C(S)]2S2), tetra-ethyl-.

Abstensil; Abstensyl; Abstinil; Abstinyl; Accel TET; Accel TET-R; AI3-27340; Akrochem® TETD; Alcophobin; Alk-aubs; Antabus; Antabuse; Antadix; Antaenyl; Antaethyl; Antäthyl; Antaetil; Antalcol; Antetan; Antetil; Anteyl; Anti-ethyl; Antiaethan; Antiäthan; Anticol; Antietanol; Antietil; Antikol; Antivitium; Antivitium (Spain); Aversan; Averzan; Bis((diethylamino)thioxomethyl) disulfide; Bis((diethylamino)thioxomethyl)disulphide; Bis(diethylthiocarbam-oyl) disulfide; Bis(diethylthiocarbamoyl)disulphide; Bonibal; CCRIS 582; Contralin; Contrapot; Cronetal; Dicupral; Disetil; Disulfan; Disulfide, bis(diethylthio-carbamoyl); Disulfiram; Disulfirame; Disulfiramo; Disulfiramum; DRG-0068; Dupon 4472; Dupont fungicide 4472; EINECS 202-607-8; Ekagom DTET; Ekagom TEDS; Ekagom TETDS; ENT 27,340; Ephorran; Esperal; Etabus; Ethyl thiram; Ethyl thiurad; Ethyl tuads; Ethyl TUEX; Ethyldithiourame; Ethyldithiurame; Exhorran; HOCA; Hocakrotenalnci-C02959; HSDB 3317; Krotenal; NCI-C02959; Nocbin; Nocceler TET; Nocceler TET-G; Noxal; Noxal (VAN); NSC 190940; NSC 25953; Perkacit® TETD; Refusal; Refusal; Ro-Sulfiram; Ro-Sulfram-500 (USA); Sanceler TET; Sanceler TET-G; Soxinol TET; Stopetyl; TATD; Tenurid; Tenutex; TETD; Tetidis; Tetradine; Tetraethylthioperoxydicarbonic diamide; Tetraethylthiram disulfide; Tetraethylthiram disulphide; Tetraetil; Teturam; Teturamin; Thiosan; Thioscabin; Thiuram disulfide, tetraethyl-; Thiuram E; Thiuranide; Tiuram; TTD; TTS; Tuads, ethyl; USAF B-33. Ulta-accelerator and vulcanizing agent for rubber. Has also been used as a fungicide and as an alcohol deterrent. Crystals; mp = 71.5°; bp_{17} - 117°; d = 1.30; poorly soluble in H_2O (0.02 g/100 ml); soluble in EtOH (3.82 g/100 ml), Et_2O (7.14 g/100 ml), Me_2CO, C_6H_6, $CHCl_3$, CS_2; LD_{50} (rat orl) = 8600 mg/kg. *Abbott Labs Inc.; Akrochem Chem. Co.; Akzo Chemie; Mitchell Cotts Chem.; Monsanto Co.; Naugatuck; Sigma-Aldrich Fine Chem.; Uniroyal; Vanderbilt R.T. Co. Inc.; Wyeth Labs.*

1507 Ditalimfos

5131-24-8 G P



$C_{12}H_{14}NO_4PS$

O,O-Diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)-phosphonothioate.

5-21-11-00141 (Beilstein Handbook Reference); BRN 1542822; Diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phosphonothioate; Diethyl phthalimidophosphono-thioate; (1,3-Dihydro-1,3-dioxo-2H-isoindol-2-yl)phos-phonothioic acid O,O-diethylester; Ditalimfos; Dital-imphos; Dowco 199; Frutogard; Laptran; Leucon; M-2452; Millie; O 199; Plondrel; O,O-Diäthyl- -phtalimido-thiophosphat; O,O-Diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phosphonothioate; O,O-Diethyl phthalim-ido-phosphonothioate; O,O-Diethyl phthalimidothio-phosphate; Ortho 199; Phosphonothioic acid, (1,2-dihydro-1,3-dioxo-2H-isoindol-2-yl)-,O,O-diethyl ester; Phosphonothioic acid, phthalimido-, O,O-diethyl ester; Plondrel; RE 199; SF 101. Fungicide used to control powdery mildew and scab. Registered by EPA as a fungicide (cancelled). *ICI Chem. & Polymers Ltd.*

1508 Ditallow dimethyl ammonium chloride

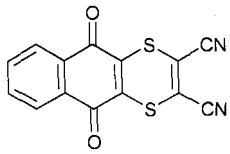
61789-80-8 H

Dimethyl di(hydrogenated tallow) ammonium chloride.

Adogen 442; Adogen 442-100 P; Adogen 442E83; Adogen 448; Adogen 448E; Aliquat 264; Aliquat 2HT; Ammonyx 2200; Arquad 2HD75; Arquad 2HT; Arquad 2HT75; Arquard HC; Carsosoft V 100; Carsosoft V 90; chlorides; EINECS 263-090-2; Jet Quat 2HT75; Kemamine Q 9702; Kemamine Q 9702C; Kemamine QSML 2; Kemamine qsml2; Kemamium M 2SH; Kemamium M 2SH15; Noramium M 2SH; Noramium M 2SH15; Prapagen WK; Prapagen WKT; Quaternium-18; Querton 442; Radiaquat 6442; Varisoft 3262; Varisoft 442-100P; Varisoft DHT.

1509 Dithianone

3347-22-6 3404 G P



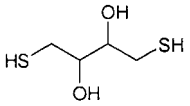
$C_{14}H_4N_2O_2S_2$

5,10-Dihydro-5,10-dioxonaphtho[2-3-b]-1,4-dithiin-2,3-dicarbonitrile.

5-19-08-00189 (Beilstein Handbook Reference); 5,10-Dihydro-5,10-dioxonaphtho(2,3-b)-1,4-dithiin-2,3-di-carbonitrile; 5,10-Dihydro-5,10-dioxonaphtho(2,3-b)-p-dithiin-2,3-dicarbonitrile; AI3-28720; BRN 1325563; Caswell No. 349B; Delan; Delan (fungicide); Delancol; Delan WP; 2,3-Dicarbonitrilo-1,4-diathiaanthrachinon; 2,3-Dicyano-1,4-dithia-anthraquinone; 2,3-Dinitrilo-1,4-dithia-9,10-anthraquinone; 2,3-Dinitrilo-1,4-dithia-anthraquinone; 2,3-Dinitrilo-1,4-dithioanthrachinon; 1,4-Dithiaanthraquinone-2,3-dicarbonitrile; 1,4-Dithiaanthra-quinone-2,3-dinitrile; Dithianon; Dithianone; DTA; EINECS 222-098-6; EPA Pesticide Chemical Code 099201; HSDB 1583; IT 931; Merkdelan; MV 119A; Naphtho(2,3-b)-1,4-dithiin-2,3-dicarbonitrile, 5,10-di-hydro-5,10-dioxo-; NSC 218452; Stauffer MV-119A; Thynon . Fungicide used for control of scab in fruit apples and pears. Dark brown crystals; mp = 225°; soluble in H_2O (0.00005 g/100 ml), $CHCl_3$ (1.2 g/100 ml), Me_2CO (1 g/100 ml), C_6H_6 (0.8 g/100 ml); LD_{50} (rat orl) ■ 638 mg/kg, (gpg orl) = 115 mg/kg, (rat der) > 2000 mg/kg, (mquail orl) ■ 280 mg/kg, (fquail orl) = 430 mg/kg, (bee contact) > 0.1 mg/bee; LC_{50} (rat ihl 4 hr.) ≅3 mg/l air; toxic to fish; non-toxic to bees. *BASF AG; ICI Chem. & Polymers Ltd.; Shell UK.*

1510 1,4-Dithiothreitol

3483-12-3 3412 G



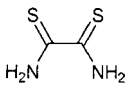
$C_4H_{10}O_2S_2$

(R*,R*)-1,4-Dimercapto-2,3-butanediol.

3-01-00-02360 (Beilstein Handbook Reference); AI3-62064; BRN 1719757; (±)-2,3-Butanediol, 1,4-dimercapto-, (R*,R*)-; 2,3-Butanediol, 1,4-dimercapto-, (2R,3R)-rel-; 2,3-Butanediol, 1,4-dimercapto-, D-threo-; 2,3-Butanediol, 1,4-dimercapto-, DL-threo-; CCRIS 3617; Cleland reagent; (R*,R*)-(±)-1,4-Dimercapto-2,3-butanediol; (R*,R*)-1,4-Dimercaptobutane-2,3-diol; D-threo-1,4-Dimercapto-2,3-butanediol; Dithiothreitol; 1,4-Dithiothreitol; D-1,4-Dithiothreitol; rac-Dithiothreitol; Dithiotreitol; DL-threo-1,4-Dimercapto-2,3-butanediol; L-DTT; EINECS 222-468-7; EINECS 248-531-9; Sputolysin; Threitol, 1,4-dithio-; Threitol, 1,4-dithio-, DL-; WR 34678. Reducing agent for proteins and enzymes, used in biochemical research. Crystals; mp = 42-43°; soluble in H_2O, organic solvents. *Bio-Rad Labs.; Biosynth AG; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

1511 Dithioxamide

79-40-3 8360 G



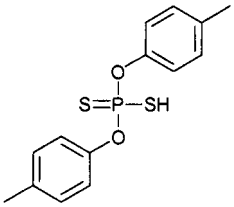
$C_2H_4N_2S_2$

Ethanedithioamide.

Dithiooxamide; Dithioxamide; EINECS 201-203-9; Ethanedithioamide; HSDB 5230; Hydrorubeanic acid; NSC 1893; Oxaldiimidic acid, dithio-; Oxalic acid, dithiono-, diamide; Oxamide, dithio-; Rubean; Rubeane; Rubeanic acid; RVK; USAF B-43; USAF EK-4394; USAF MK-6. The amide of dithiooxalic acid, a chelating agent, especially for copper, cobalt and nickel.Also used to stabilize ascorbic acid solutions. Red crystals; mp = 170° (dec); λ_m = 312 nm (ε = 10300 MeOH); slightly soluble in H_2O, EtOH, insoluble in organic solvents.

1512 O,O-Ditolyl phosphorodithioate

27157-94-4 H



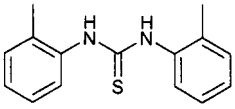
$C_{14}H_{15}O_2PS_2$

Phosphorodithioic acid, O,O-ditolyl ester.

Cresyl aerofloat; EINECS 248-273-7; HSDB 2623; O,O-Bis(methylphenyl) hydrogen dithiophosphate; O,O-Ditolyl phosphorodithioate; Phosphorodithioic acid, O,O-bis(methylphenyl) ester; Phosphorodithioic acid, O,O-ditolyl ester. Mixture of o, m and p-isomers.

1513 Di-o-tolylthiourea

137-97-3 G



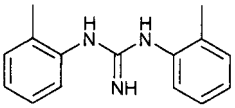
$C_{15}H_{16}N_2S$

2,2'-Dimethylthiocarbanilide.

Accelerator A22; AI3-03718; N,N'-Bis(2-methylphenyl)-thiourea; 1,3-Bis(o-tolyl)thiourea; Carbanilide, 2,2'-dimethylthio-; 2,2'-Dimethylthiocarbanilide; Di-o-toluylthiourea; Di-o-tolylthiourea; 1,3-Di-o-tolylthiourea; N,N'-Di-o-tolylthiourea; 1,3-Di-o-tolyl-2-thiourea; 1,3-Di-o-tolylthiomocovina; EINECS 205-309-6; NSC 119321; Thiourea, N,N'-bis(2-methylphenyl)-; Urea, 1,3-bis(o-tolyl)-2-thio-; USAF EK-1651. A proprietary rubber vulcanizing accelerator. Solid; mp = 157-159°. *Lancaster Synthesis Ltd.*

1514 1,3-Ditolylguanidine

97-39-2 G H



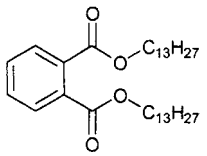
$C_{15}H_{17}N_3$

Guanidine, N,N'-bis(2-methylphenyl)-.

4-12-00-01764 (Beilstein Handbook Reference); AI3-14630; Akrochem® DOTG; BRN 2653884; CNS 1001; Di-o-tolylguanidine; Diorthotolylguanidine; DOTG; DOTG accelerator; DTG; EINECS 202-577-6; Eveite DOTG; Guanidine, 1,3-di-o-tolyl-; Guanidine, 1,3-di(2-tolyl)-; Guanidine, N,N'-bis(2-methylphenyl)-; HSDB 5307; Nocceler DT; NSC 132023; Perkacit® DOTG; Sanceler DT; Soxinol DT; USAF A-6598; Vanax® DOTG; Vulcafor DOTG; Vulkacit dotg/C; Vulkacit DOTG; Vulkacite DOTG. A rubber vulcanization accelerator; provides activation for MBTS, MBT, and other thiazole accelerators in natural rubber, styrene/butadiene rubber, NBR, and CR. Crystals; mp = 179°; d^{20} = 1.10; poorly soluble in H_2O, EtOH, TFA, soluble in $CHCl_3$, very soluble in Et_2O. *Akrochem Chem. Co.; Akzo Chemie; Vanderbilt R.T. Co. Inc.*

1515 Ditridecyl phthalate

119-06-2 G H



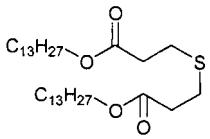
$C_{34}H_{58}O_4$

1-Tridecanyl phthalate.

Bis(tridecyl) phthalate; BRN 2023076; CCRIS 6197; Ditridecyl 1,2-benzenedicarboxylate; Ditridecyl phthalate; DTDP; EINECS 204-294-3; HSDB 381; Jayflex® DTDP; Nuoplaz; Phthalic acid, ditridecyl ester; Polycizer 962-bpa; Polycizer 962BPA; PX-126; Staflex DTDP; 1-Tridecanyl phthalate; Truflex DTDP. Reagent grade plasticizer Liquid; bp5 > 285°; d^{20} = 0.951. *Aristech; Exxon.*

1516 Ditridecyl thiodipropionate

10595-72-9 H



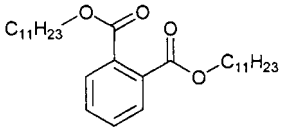
$C_{32}H_{62}O_4S$

di(tridecyl) thiodipropionate.

Di(tridecyl) thiodipropionate; Di(tridecyl) 3,3'-thiodipropionate; EINECS 234-206-9; Propanoic acid, 3,3'-thiobis-, ditridecyl ester; Propionic acid, 3,3'-thiodi-, ditridecyl ester; 3,3'-Thiobispropanoic acid, ditridecyl ester. Used as a secondary antioxidant preservative in pharmaceuticals. $bp_{0.25}$ = 265°; insoluble in H_2O, slightly soluble in MeOH, soluble in most organic solvents. LD_{50} (rat orl) > 9000 mg/kg, (rbt der) > 4500 mg/kg. *Cytec; Hampshire; Sigma-Aldrich Fine Chem.; Witco/PAG.*

1517 Diundecyl phthalate

3648-20-2 G H



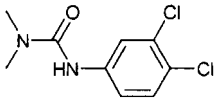
$C_{30}H_{50}O_4$

1,2-Benzenedicarboxylic acid, diundecyl ester.

1,2-Benzenedicarboxylic acid, diundecyl ester; BRN 1894045; CCRIS 6198; Diundecyl phthalate; Di-n-undecyl phthalate; EINECS 222-884-9; HSDB 5132; Jayflex® DUP; Phthalic acid, diundecyl ester; PX-111; Santicizer 711. Plasticizer. Oil; d ■ 0.954; insoluble in H_2O, soluble in organic solvents. *Aristech; ExxonMobil Chem. Co.*

1518 Diuron

330-54-1 3418 G H P



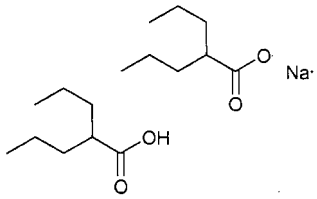
$C_9H_{10}Cl_2N_2O$

1-(3,4-Dichlorophenyl)-3,3-dimethylurea.

4-12-00-01263 (Beilstein Handbook Reference); AF 101; AI3-61438; Anduron; Ansaron; Bioron; BRN 2215168; Caswell No. 410; CCRIS 1012; Cekiuron; Crisuron; Dailon; DCMU; DCMU 99; Di-on; Diater; Dichlorfenidim; Direx 4L; Dirurol; Ditox-800; Diurex; Diuron; Diuron 4L; Diuron 900; Diuron Nortox; DMU; DP Hardener 95; Drexel; Duran; Durashield; Dynex; EINECS 206-354-4; EPA Pesticide Chemical Code 035505; Farmco; Farmco diuron; Herbatox; Herburon; HSDB 382; HW 920; Karmex; Karmex D; Karmex Diuron Herbicide; Karmex DW; Lucenit; Marmer; NSC 8950; Preventol A 6; Seduron; Sup'r flo; Telvar diuron weed killer; Unidron; Urox D; USAF P-7; USAF XR-42; Vonduron. Pre-emergent herbicide, sugar cane flowering suppressant. Inhibits photosynthesis. Used for total control of weeds and mosses in non-crop areas and selectiver control of germinating grass and broad-leaved weeds in many crops. A flowable herbicide for control of many weeds and grasses in a variety of crops. Effective against a wide range of both broadleaf weeds and annual grasses. Registered by EPA as a herbicide. Crystals; mp = 158 - 159°; soluble in H_2O (0.0042 g/100 ml at 25°), Me_2CO (4.2 g/100 ml), butyl stearate (0.11 g/100 ml), C_6H_6 (0.11 g/100 ml), poorly soluble in hydrocarbon solvents; LD_{50} (rat orl) = 3400 mg/kg, 437 mg/kg; LC_{50} (bobwhite quail 8 day dietary) = 1730 mg/kg diet, (Japanese quail, mallard duckling, pheasant chick 8 day dietary) > 5000 mg/kg diet, (rainbow trout 96 hr.) = 5.6 mg/l, (bluegill sunfish 96 hr.) = 5.9 mg/l, (guppy 96 hr.) = 25 mg/l; non-toxic to bees. *Aceto Agriculture Chemicals Corp.; Agan Chemical Manufacturers; BASF Corp.; Bayer AG; Drexel Chemical Co.; DuPont UK; DuPont; Griffin LLC; Helena Chemical Co.; Rhône Poulenc Crop Protection Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Riverdale Chemical Co; Rohm & Haas UK; Syngenta Crop Protection; Thor; Troy Chemical Corp.*

1519 Divalproex Sodium

76584-70-8 9979 D



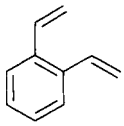
$(C_{16}H_{31}NaO_4)_n$

Sodium hydrogen bis(2-propylvalerate) oligomer.

Abbott 50711; Delepsine; Depakote; Depakote ER; Divalproex sodium; Epilex; Epival; Sodium hydrogen bis(2-propylvalerate); Sodium hydrogen bis(2-propylpentanoate); Sodium hydrogen divalproate; Sprinkle; Valcote; Valparin; Valproate semisodique; Valproato semisodico; Valproatum seminatricum; Valproic acid semisodium salt (2:1). Anticonvulsant; epileptic. *Abbott Labs Inc.*

1520 Divinylbenzene

1321-74-0 H



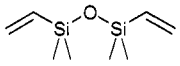
$C_{10}H_{10}$

Vinylstyrene.

Benzene, diethenyl-; Benzene, divinyl-; CCRIS 4809; Diethenylbenzene; Divenylbenzene; Divinyl benzene; Divinylbenzene-55; Divinylbenzene, pure; DVB-22; DVB-27; DVB-55; DVB-80; DVB-100; EINECS 215-325-5; HSDB 5449; NSC 4833; Vinylstyrene. Mixture of o, m and p-isomers. Mixture of isomers of divinylbenzene.

1521 Divinyltetramethyldisiloxane

2627-95-4 G



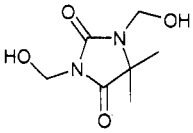
$C_8H_{18}OSi_2$

1,1,3,3-Tetramethyl-1,3-divinyldisiloxane.

Bisvinyltetramethyldisiloxane; CD62101,3-Diethenyl-1,1,3,3-tetramethyl disiloxane; Disiloxane, 1,3-diethenyl-1,1,3,3-tetramethyl-; Divinyltetramethyldisiloxane; 1,1'-Divinyltetramethyldisiloxane; 1,3-Divinyltetramethyl-disiloxane; EINECS 220-099-6; sym-Tetramethyldivinyl-disiloxane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -99.7°; bp = 30°; d^{20} = 0.811. *Degussa-Hüls Corp.*

1522 DMDM hydantoin

6440-58-0 G



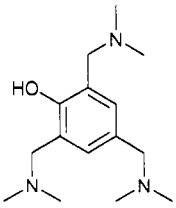
$C_7H_{12}N_2O_4$

1,3-Bis (hydroxymethyl)-5,5-dimethyl-2,4-imidazolidine-dione.

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin; 1,3-Bis-(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione; 1,3-Bis(hydroxymethyl)-5,5-dimethyl-2,4-imidazolidine-dione; BRN 0882348; Caswell No. 273AB; Dantion DMDMH 55; Dantoguard; Dantoin DMDMH; Dantoin DMDMH 55; Dimethyloldimethyl hydantoin; Dimethyl-ol-5,5-dimethylhydantoin; 1,3-Dimethylol-5,5-dimethyl-hydantoin; DMDMH; DMDMH 55; DMDM hydantoin; EINECS 229-222-8; EPA Pesticide Chemical Code 115501; Glycoserve-DMDMH; Glydant; Glydant Plus; Glydant®; Hydantoin, 1,3-bis(hydroxymethyl)-5,5-di-methyl-; 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-; Mackgard DM; Mackstat® DM; Nipaguard DMDMH. A preservative and formaldehyde donor; broad spectrum antimicrobial for cosmetics and toiletries; effective against Gram-positive and Gram-negative bacteria, fungi, and yeast. *Lonzagroup; McIntyre; Nipa.*

1523 DMP 30

90-72-2 G H



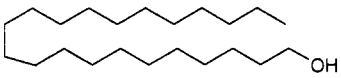
$C_{15}H_{27}N_3O$

Phenol, 2,4,6-tris[(dimethylamino)methyl]-.

4-13-00-01946 (Beilstein Handbook Reference); Actiron NX 3; AI3-03346; Ancamine K 54; Anchor K 54; Araldite DY 061; Araldite DY 064; Araldite Hardener HY 960; Araldite HY 960; BRN 0795751; Capcure EH 30; Dabco TMR 30; DMF 3; DMP 30; DY 061; EH 30; EINECS 202-013-9; Epilink 230; NSC 3257; Phenol, 2,4,6-tris((dimethylamino)methyl)-; S 41028-4; Sumicure D; UP 606/2. Accelerator, catalyst, and hardener for epoxy resins. *Polysciences; Protex SA.*

1524 Docosanol

661-19-8 3433 G H



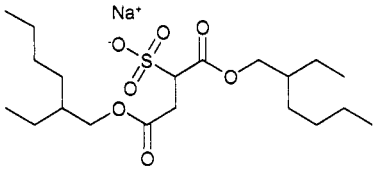
$C_{22}H_{46}O$

n-Docosanol.

4-01-00-01906 (Beilstein Handbook Reference); AI3-36489; Behenic alcohol; Behenyl alcohol; BRN 1770470; 1-Docosanol; n-Docosanol; Docosyl alcohol; EINECS 211-546-6; HSDB 5739; IK 2; Lidavol; NSC 8407; Tadenan. Used in synthetic fibers, lubricants, as an evaporation retardant on water surfaces. Crystals; mp = 72.5°; $bp_{0.22}$ = 180°; slightly soluble in H_2O, Et_2O, soluble in $CHCl_3$, very soluble in EtOH, MeOH, petroleum ether. *Lancaster Synthesis Co.; Michel M.; Sherex; Vista.*

1525 Docusate sodium

577-11-7 3435 D G H

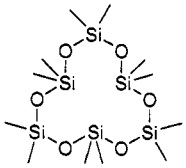


$C_{20}H_{38}NaO_7S$

Bis(2-ethylhexyl)sodium sulfosuccinate.

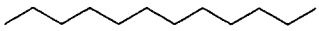
Alphasol OT; Adekacol EC 8600; Aerosol A 501; Aerosol AOT; Aerosol GPG; Aerosol OT; Aerosol OT 70PG; Aerosol OT 75; Aerosol OT-A; Aerosol OT-B; AI3-00239; Alcopol O; Alkasurf SS-O 75; Berol 478; Celanol DOS 65; Celanol DOS 75; Clestol; Colace; Complemix; Constonate; Coprol; Correctol Caplets; Correctol Extra Gentle Tablets; Correctol Tablets; D-S-S Plus; D-S-S; Defilin; DESS; Dialose; Dialose Plus; Dioctlyn; Dioctyl-medo forte; Dioctyl sodium sulfosuccinate; Dioctyl sodium sulphosuccinate; Dioctylal; Diomedicone; Diosuccin; Diotilan; Diovac; Diox; Disonate; Discol DFW; Docusate sodique; Docusate sodium; Docusato sodico; Docusatum natricum; Dorbantyl; Doxan; Doxinate; Doxol; DSS; Dulsivac; Duosol; EINECS 209-406-4; Empimin® OP70; Feen-a-Mint Pills; Ferro-Sequels; Geripiex; HSDB 3065; Humifen WT 27G; Konlax; Kosate; Laxcaps; Laxinate; Laxinate 100; Manoxal OT; Mervamine; Modane Plus; Modane Soft; Molatoc; Molcer; Molofac; Monawet MD 70E; Monawet MO-70; Monawet MO-70 RP; Monawet MO-84 R2W; Monoxol OT; Natrii dioctylsulfosuccinas; Nekal WT-27; Nevax; Nikkol OTP 70; Norval; Obston; Octowet 40; Peri-Colace; Phillips Gelcaps; Rapisol; Regutol; Requtol; Revac; Sanmorin OT 70; SBO; Senokap DSS; Senokot S; Sobital; Softil; Soliwax; Solusol-100%; Solusol-75%; Sulfimel DOS; SV 102; Tex-Wet 1001; Triton GR-5; Triton GR 7; Uniliax; Vatsol OT; Veimol; Waxsol; Wetaid SR. Used as a wetting agent, lubricant and detergent for dry cleaning, corrosion resistant lubricants, agricultural emulsions and organic solvent systems. Used when a higher flash is required. A fast wetting agent for denim finishing and continuous carpet dyeing. Used in textile washing and dyeing operations, agriculture, mining, paper and printing. Ingredient in laxative preparations. Waxy solid; mp = 153-157°; soluble in H_2O (1.5 g/100 ml 25°, 23 g/100 ml 40°, 30 g/100 ml 50°, 55 g/100 ml 70°), CCl_4, petroleum ether, Me_2CO, EtOH. *3M Pharm.; Albright & Wilson UK Ltd.; Am. Cyanamid; Ascher B.F. & Co.; Bristol-Myers Squibb Pharm. R&D; Hoechst Roussel Pharm. Inc.; Johnson & Johnson-Merck Consumer Pharm.; Mallinckrodt Inc.; Parke-Davis; Purdue Pharma L.P.; Roberts Pharm. Corp.; Savage Labs; Schering-Plough Pharm.; Sterling Health U.S.A.*

1526 **Dodecamethylcyclohexasiloxane**
540-97-6 3437 H



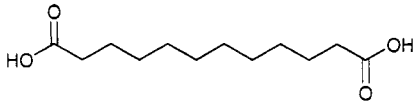
$C_{12}H_{36}O_6Si_6$
Cyclohexasiloxane, dodecamethyl-.
Cyclohexasiloxane, dodecamethyl-; Dodecamethylcyclohexasiloxane; EINECS 208-762-8. Liquid; mp = -1.5°; bp = 245°; d^{25} = 0.9672; insoluble in H_2O.

1527 **Dodecane**
112-40-3 H



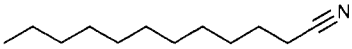
$C_{12}H_{26}$
n-Dodecane.
4-01-00-00498 (Beilstein Handbook Reference); Adakane 12; Ba 51-090453; Bihexyl; BRN 1697175; CCRIS 661; Dihexyl; Dodecane; n-Dodecan; n-Dodecane; EINECS 203-967-9; HSDB 5133; NSC 8714. Liquid; mp = -9.6°; bp = 216.3°; d^{20} = 0.7487; insoluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, CCl_4, $CHCl_3$.

1528 **Dodecanedioic acid**
693-23-2 H



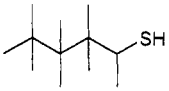
$C_{12}H_{22}O_4$
1,12-Dodecanedioic acid.
Decamethylenedicarboxylic acid; 1,10-Decanedi-carboxylic acid; 1,10-Dicarboxydecane; Dodecanedioic acid; 1,12-Dodecanedioic acid; EINECS 211-746-3; HSDB 5745; NSC 400242. Crystals; mp = 128°; bp^{25} = 222°; d^{25} = 1.15; soluble in TFA.

1529 **Dodecanenitrile**
2437-25-4 G H



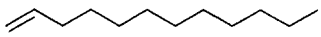
$C_{12}H_{23}N$
n-Dodecanenitrile.
4-02-00-01104 (Beilstein Handbook Reference); AI3-00311; BRN 0970348; 1-Cyanoundecane; Decyl-acetonitrile; Dodecane nitrile; Dodecanenitrile; EINECS 219-440-1; Lauric acid nitrile; Lauric nitrile; Lauronitrile; Nitrile 12; NSC 1804; Undecyl cyanide. Chemical intermediate. Liquid; mp = 4°; bp = 277°, bp_{100} = 198°; d^{20} = 0.8240; insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$. *Berol Nobel AB.*

1530 **tert-Dodecanethiol**
25103-58-6 H



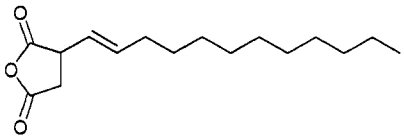
$C_{12}H_{26}S$
2,3,3,4,4,5-Hexamethyl-2-hexanethiol.
3-01-00-01794 (Beilstein Handbook Reference); BRN 1738382; CCRIS 6030; t-DDM; t-Dodecanethiol; tert-Dodecyl mercaptan; terc.Dodecylmerkaptan; tert-Dodecanethiol; tert-Dodecylthiol; EINECS 246-619-1; 2,3,3,4,4,5-Hexamethyl-2-hexanethiol; Sulfole 120.

1531 **1-Dodecene**
112-41-4 G H



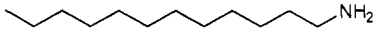
$C_{12}H_{24}$
n-Dodec-1-ene.
Adacene 12; α-Dodecene; 1-Dodecene; α-Dodecylene; n-Dodec-1-ene; EINECS 203-968-4; HSDB 1076; Neodene® 6/12; Neodene® 12; Neodene® 1012; NSC 12016. Used as an intermediate for biodegradable surfactants, specialty industrial chemicals, flavors, perfumes, medicines, oils, dyes, resins. mp = -35.2°; bp = 213.8°; d^{20} = 0.7584; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, CCl_4, petroleum ether. *Ethicon Inc.; Monsanto (Solaris); Shell.*

1532 **Dodecenylsuccinic anhydride**
25377-73-5 H



$C_{16}H_{26}O_3$
2,5-Furandione, 3-(dodecenyl)dihydro-.
CCRIS 698; DDSA; Dodecenylsuccinic acid anhydride; Dodecenylsuccinic anhydride; 2-(Dodecyl)succinic anhydride; EINECS 246-917-1; 2,5-Furandione, 3-(dodecenyl)dihydro-; HSDB 4374; K 12; K 12 (anhydride); Rikacid DDSA; Succinic anhydride, dodecenyl-.

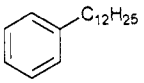
1533 **Dodecylamine**
124-22-1 G H



$C_{12}H_{27}N$
n-Dodecanamine.
4-04-00-00794 (Beilstein Handbook Reference); AI3-15083; Alamine 4; Amine 12; Amine BB; 1-Aminododecane; Armeen® 12; Armeen® 12D; BRN 1633576; Dodecanamine; 1-Dodecanamine; Dodecyl-amine; 1-Dodecylamine; EINECS 204-690-6; Farmin 20D; HSDB 2645; Kemamine P690; Lauramine; Laurinamine; Laurylamine; n-Laurylamine; Monododecyl-amine; Nissan amine BB; Radiamine 6164. Chemical intermediate; ethoxylated end products used in detergent, cosmetic, and agricutural applications. Used in mineral flotation, as a corrosion inhibitor, pigment dispersant; cosmetics; lubricant and mold release for hard rubber, textile chemical, chemical synthesis; antistat and antifog additive for plastic foils. Solid; mp = 28.3°, bp = 259°; d^{20} = 0.8015; slightly soluble in H_2O, freely soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, CCl_4. *Akzo Chemie; Fina Chemicals.*

1534 Dodecylbenzene

123-01-3 H



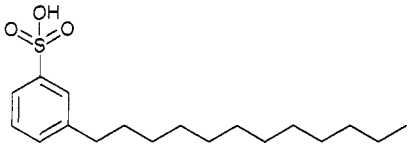
$C_{18}H_{30}$

1-Phenyldodecane.

4-05-00-01200 (Beilstein Handbook Reference); AI3-00435; Alkane; Alkylate P 1; Benzene, dodecyl-; BRN 1909107; CCRIS 2291; Detergent alkylate; Detergent Alkylate No. 2; Dodecane, 1-phenyl-; Dodecylbenzene; n-Dodecylbenzene; EINECS 204-591-8; HSDB 937; Laurylbenzene; Marlican; Nalkylene 500; NSC 102805; Phenyldodecan; Ucane alkylate 12. Liquid; mp ◘ 3°; bp = 328°; d^{20} = 0.8551; insoluble in H_2O.

1535 Dodecylbenzenesulfonic acid

27176-87-0 G P



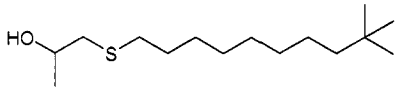
$C_{18}H_{30}O_3S$

Laurylbenzenesulfonic Acid.

Arylsulfonat BASF; Benzenesulfonic acid, dodecyl; Biosoft S-100; Calsoft las 99; Calsoft LAS 99; Caswell No. 413C; Conco AAS-985; Conoco 597; Conoco SA 597; DDBSA; Dobanic acid 83; Dobanic acid JN; n-Dodecylbenzenesulfonate; Dodecylbenzene sulfonic acid; Dodecylbenzenesulphonic acid; E 7256; EINECS 217-555-1; EINECS 248-289-4; Elfan WA sulphonic acid; EPA Pesticide Chemical Code 098002; HSDB 6285; Laurylbenzenesulfonic acid; Marlon AS 3; NA2584; Nacconol 98SA; Nansa 1042P; Nansa SSA; Pentine Acid 5431; Richonic acid B; Sulframin acid 1298; Witco® 1298 sulfonic acid. Mixture of o, m and p-isomers. Detergent intermediate, oil-water emulsifier, solubilizer, wetting agent, and detergent for household products, metal cleaning; emulsion polymerization surfactant for latex stabilization and pigment dispersion. Base for dishwashing and laundry detergents, industrial and institutional cleaners. Bactericide used to disinfect brewery and dairy equipment. Registered by EPA as an antimicrobial, fungicide and insecticide. Liqiud; mp = 10°; bp = 315°; d ◘ 1.2000; LD_{50} (rat orl) = 650 mg/kg. *Anderson Chemical Co; Chem-Serv Inc; CK Witco Corp.; Clough; Devere Chemical Co.; Diverseylever; Drexel Chemical Co.; Ecolab Inc.; Guaranteed Chemical Co; Hydrite Chemical Co; Kay Chemical Co; Shephard Bros Inc; US Chemical Corp; West Agro Inc.; ZEP Manufacturing Co.*

1536 tert-Dodecyl 2-hydroxypropyl sulfide

67124-09-8 H



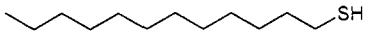
$C_{15}H_{32}OS$

2-Propanol, 1-(tert-dodecylthio)-.

EINECS 266-582-5; tert-Dodecyl 2-hydroxypropyl sulfide; 1-(tert-Dodecylthio)propan-2-ol; 2-Propanol, 1-(tert-dodecylthio)-.

1537 Dodecyl mercaptan

112-55-0 H



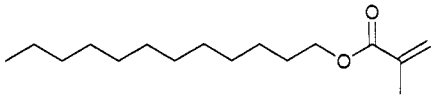
$C_{12}H_{26}S$

n-Dodecyl mercaptan.

4-01-00-01851 (Beilstein Handbook Reference); AI3-07577; BRN 0969337; CCRIS 743; 1-Dodecanethiol; Dodecyl mercaptan; 1-Dodecyl mercaptan; EINECS 203-984-1; HSDB 1074; Lauryl mercaptan; Lauryl mercaptide; 1-Mercaptododecane; NCI-C60935; NSC 814; Pennfloat M; Pennfloat S. White solid; mp = -6.7°; bp ◘ 277°, bp_{15} = 143°; d^{20} = 0.844; soluble in EtOH, Et_2O, $CHCl_3$, insoluble in H_2O. LD_{50} (rat orl) = 12800 mg/kg.

1538 Dodecyl methacrylate

142-90-5 G H



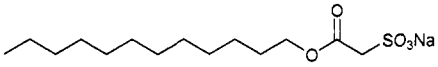
$C_{16}H_{30}O_2$

Dodecyl 2-methyl-2-propenoate.

4-02-00-01529 (Beilstein Handbook Reference); Acrylic acid, 2-methyl-, dodecyl ester; Ageflex FM-12; Ageflex FM 246; AI3-08765; BRN 1708160; Caswell No. 521; Dodecyl 2-methyl-2-propenoate; Dodecyl methacrylate; EINECS 205-570-6; EPA Pesticide Chemical Code 053101; GE 410; GE 410 (methacrylate); HSDB 5417; LAMA; Lauryl methacrylate; Laurylester kyseliny methakrylove; Metazene; Methacrylic acid, dodecyl ester; Methacrylic acid, lauryl ester; NSC 5188; Sipomer LMA; SR 313. Used in lube oil additives, coatings for nonwoven fiber, floor waxes, paints, adhesives, varnishes, sealants, caulks, stabilizer for nonaq. dispersions and inks. *Rit-Chem.*

1539 Dodecyl sodium sulfoacetate

1847-58-1 H



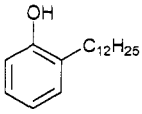
$C_{14}H_{27}NaO_5S$

Sodium 2-(dodecyloxy)-2-oxoethane-1-sulfonate.

Acetic acid, sulfo-, dodecyl ester, S-sodium salt; Acetic acid, sulfo-, 1-dodecyl ester, sodium salt; Dodecyl sodium sulfoacetate; Dodecyl sulfoacetate S-sodium salt; EINECS 217-431-7; Lathanol; Lathanol-lal 70; Lathanol LAL; Nacconol LAL; Sodium 2-(dodecyloxy)-2-oxoethane-1-sulphonate; Sodium lauryl sulfoacetate; Sulfoacetic acid 1-dodecyl ester, sodium salt; Sulfoacetic acid dodecyl ester S-sodium salt.

1540 Dodecylphenols

27193-86-8 H



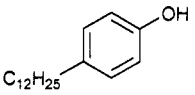
$C_{18}H_{30}O$

Phenol, dodecyl-, mixed isomers.

Dodecyl phenol; Dodecylphenol; Dodecylphenol (mixed isomers); Dodecylphenols; EINECS 248-312-8; HSDB 386; NSC 6812; Phenol, dodecyl-; Phenol, dodecyl-, mixed isomers; T-Det. Mixture of o, m and p-isomers.

1541 p-Dodecylphenol

104-43-8 H



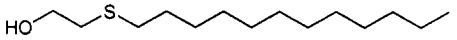
$C_{18}H_{30}O$

4-Dodecylphenol.

EINECS 203-202-9; p-Dodecylphenol; Phenol, 4-dodecyl-; Phenol, p-dodecyl-.

1542 Dodecylthioethanol

1462-55-1 G



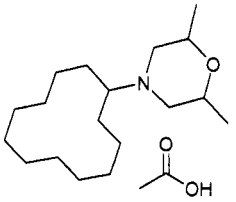
$C_{14}H_{30}OS$

2-(Dodecylthio)ethanol.

2-(Dodecylthio)ethanol; DV-1936; EINECS 215-969-7. *Rhône Poulenc Surfactants.*

1543 Dodemorph Acetate

31717-87-0 3441 G P



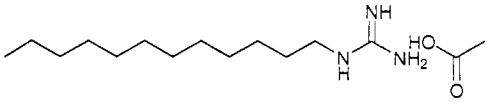
$C_{20}H_{39}NO_3$

4-Cyclododecyl-2,6-dimethylmorpholine acetate.

Acetate de dodemorphe; BAS 2382 F; BAS 238F; BASF mehltaumittel; Caswell No. 268C; Caswell No. 268E; Cyclododecyl-2,6-dimethylmorpholine acetate; 4-Cyclo-dodecyl-2,6-dimethylmorpholine acetate; Cyclododecyl-2,6-dimethylmorpholinium acetate; 4-Cyclododecyl-2,6-dimethylmorpholinium acetate; Cyclomorph; Dodemorfe; Dodemorph acetate; EINECS 250-778-2; EPA Pesticide Chemical Code 110401; EPA Pesticide Chemical Code 213600; Mehltaumittel; Meltox; Milban; Morpholine, N-cyclododecyl-2,6-dimethyl-, acetate; N-Cyclododecyl-2,6-dimethylmorpholinacetat; N-Cyclododecyl-2,6-dimethylmorpholinium acetate; Cyclomorph; Dodemorfe; Dodemorph acetate; EPA Pesticide Chemical Code 110401; EPA Pesticide Chemical Code 213600; Mehltaumittel; Meltatox; Meltox; Milban; Morpholine, N-cyclododecyl-2,6-dimethyl-, acetate; N-Cyclododecyl-2,6-dimethylmorpholinium acetate; N-Cyclododecyl-2,6-dimethylmorpholinacetat. Systemic fungicide with protective and curative action. Used for control of powdery mildews on roses. Registered by EPA as a fungicide (cancelled). Yellow liquid - colorless solid; mp = 63 - 64°; d = 0.93; sparingly soluble in H_2O (< 0.01 g/100 ml), soluble in $CHCl_3$ (> 148 g/100 ml), C_6H_6 (> 88 g/100 ml), EtOH (13.4 g/100 ml); LD_{50} (mrat orl) = 3944 mg/kg, (frat orl) = 2645 mg/kg, (mus ip) = 100 mg/kg, (rat der) > 4000 mg/kg; LC_{50} (rat ihl 4 hr.) = 5 mg/l air, (guppy 96 hr.) = 40 mg/l; non-toxic to bees. *BASF Corp.*

1544 Dodine

2439-10-3 3442 G P



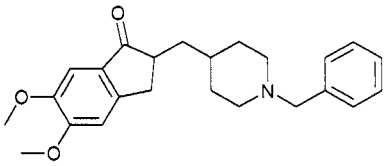
$C_{15}H_{33}N_3O_2$

1-Dodecylguanidinium acetate.

Aadodin; AC 5223; American Cyanamid 5223; Carpene; Caswell No. 419; Curitan; Cyprex; Cyprex 65W; Dodecylguanidine acetate; n-Dodecylguanidine acetate; Dodecylguanidine monoacetate; 1-Dodecylguanidinium acetate; Dodin; Dodine; Dodine, mixture with glyodin; Doguadine; EINECS 219-459-5; ENT 16,436; EPA Pesticide Chemical Code 044301; Experimental fungicide 5223; Guanidine, dodecyl-, monoacetate; Guanidine, dodecyl-, acetate; HSDB 1705; Karpen; Kyselina 3-dodecylguanidinooctova; Laurylguanidine acetate; Melprex; Melprex 65; Melprex 65W; Melprex Liquid Dodine; Questuran; Radspor; Syllit; Syllit 65; Tsitrex; Venturol; Vondodine; Dodecylguanidine monoacetate; Dodin; Dodine; Doguadine; ENT 16,436; EPA Pesticide Chemical Code 044301; Experimental fungicide 5223; Guanidine, dodecyl-, monoacetate; Guanidine, dodecyl-, acetate; HSDB 1705; Karpen; Kyselina 3-dodecylguanidinooctova [Czech]; Laurylguanidine acetate; Melprex; Melprex 65; Melprex 65W; Melprex Liquid Dodine; Questuran; Radspor; Syllit; Syllit 65; Tsitrex; Venturol; Vondodinen-Dodecylguanidine acetate. A foliar fungicide with some protective and curative action; used for the control of scab in apples and pears. Registered by EPA as an antimicrobial and fungicide. Waxy solid; mp = 132 - 135°; soluble in H_2O).063 g/100 ml), EtOH, MeOH, insoluble in most other organic solvents; LD_{50} (mrat orl) = 1000 mg/kg, (rbt der) > 1500 mg/kg, (rat der) > 6000 mg/kg, (mallard duck orl) = 1142 mg/kg, (bee topical) > 0.011 mg/bee; LC_{50} (harlequin fish) = 0.53 mg/l; non-toxic to bees. *Am. Cyanamid; BASF Corp.; Stepan; Truchem; UAP - Platte Chemical.*

1545 Donepezil

120014-06-4 3453 D



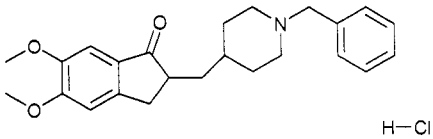
$C_{24}H_{29}NO_3$

(±)-2-[(1-Benzyl-4-piperidyl)methyl]-5,6-dimethoxy-1-indanone.

Donepezil; 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-((1-(phenylmethyl)-4-piperidinyl)methyl)-. Nootropic. A reversible acetylcholine esterase inhibitor used to treat Alzheimer's disease. *Pfizer Inc.*

1546 Donepezil hydrochloride

120011-70-3 3453 D



$C_{24}H_{30}ClNO_3$

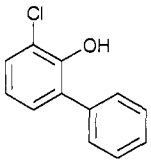
(±)-2-[(1-Benzyl-4-piperidyl)methyl]-5,6-dimethoxy-1-indanone hydrochloride.

Aricept; BNAG; Donepezil hydrochloride; E-2020. Nootropic. A reversible acetylcholine esterase inhibitor used to treat Alzheimer's

disease. An adjunct in treatment of dimentia symptoms. A cognition adjuvant. Solid; Freely soluble in $CHCl_3$; soluble in H_2O, glacial acetic acid; slightly soluble in EtOH, acetonitrile; practically insoluble in EtOAc, n-hexane. *Pfizer Inc.*

1547 Dowicide 3

85-97-2 7364 G P



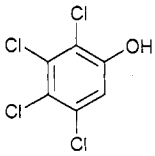
$C_{12}H_9ClO$

(1,1'-Biphenyl)-2-ol, 3-chloro-.

AI3-03271; 2-Biphenylol, 3-chloro-; Caswell No. 211; 2-Chloro-6-phenylphenol; 2-Hydroxy-3-chlorobiphenyl; 2-Phenyl-6-chlorophenol; 3-Chloro-(1,1'-biphenyl)-2-ol; 3-Chloro-2-biphenylol; 3-Chlorobiphenyl-2-ol; 6-Chloro-2-phenylphenol; Dowcide 31; Dowcide 32; EPA Pesticide Chemical Code 062210; NSC 2600. Used as an antiseptic and fungicide. Registered by EPA as an antimicrobial and disinfectant (cancelled). Yellow, viscous liquid; mp = 6°, bp = 317 - 318° (dec); d_4^{25} = 1.24; insoluble in H_2O, soluble in alkali and in most organic solvents. *Dow Chem. U.S.A.*

1548 Dowicide 6

25167-83-3 G P



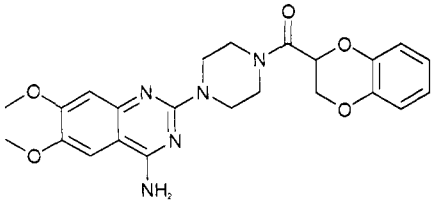
$C_6H_2Cl_4O$

2,3,4,5-Tetrachlorophenol.

AI3-01682; Caswell No. 832; EPA Pesticide Chemical Code 063004; NSC 406124; Phenol, tetrachloro-; Tetrachlorophenol; Tetrachlorophenol, isomer unspec-ified; Tetrachlorophenols. A proprietary trade name for tetrachlorophenol; an antiseptic. Registered by EPA as a fungicide (cancelled). *Dow Chem. U.S.A.*

1549 Doxazosin

74191-85-8 3466 D



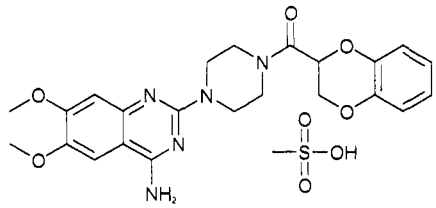
$C_{23}H_{25}N_5O_5$

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(1,4-benzodioxan-2-ylcarbonyl)piperazine.

Doxazosin; Doxazosina; Doxazosine; Doxazosinum; UK 33274. Selective α-adrenergic blocker related to Prazosin. Antihypertensive. Also used in the treatment of benign prostatic hyperplasia. [monohydrochloride]: mp = 289-290°. *Pfizer Intl.; Roerig Div. Pfizer Pharm.*

1550 Doxazosin monomethanesulfonate

77883-43-3 3466 D



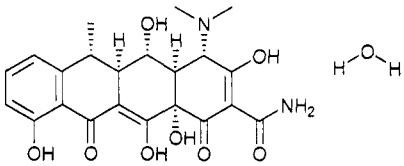
$C_{24}H_{29}N_5O_8S$

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(1,4-benzo-dioxan-2-ylcarbonyl)piperazine monomethanesulfonate.

Alfadil; Benur; Cardenalin; Cardoral; Cardoxan; Cardran; Cardular; Cardular PP; Cardular Uro; Cardura; Cardura XL; Carduran; Dedralen; Diblocin; Diblocin PP; Diblocin Uro; Doksura; Doxaben; Doxazomerck; Doxazosin AZU; Doxazosin mesylate; Doxazosin monomethanesulfonate; Doxolbran; HSDB 7082; Kaltensif; Normathen; Normothen; Progandol; Prostadilat; Supressin; Tensiobas; Tonocardin; UK 33,274-27. Selective α-adrenergic blocker related to Prazosin. Antihypertensive. Also used in the treatment of benign prostatic hyperplasia. *Pfizer Intl.; Roerig Div. Pfizer Pharm.*

1551 Doxycycline

564-25-0 3474 D



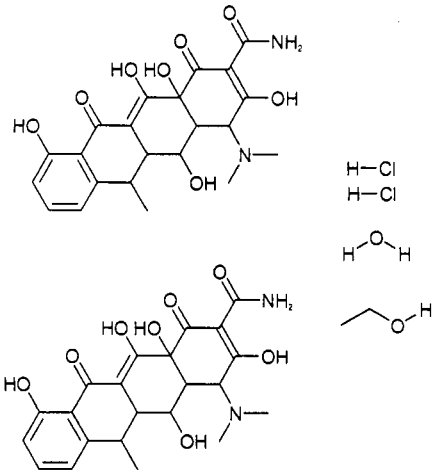
$C_{22}H_{24}N_2O_8$

4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide.

Azudoxat; Deoxymykoin; Dossiciclina; Doxiciclina; Doxiciclina; Doxitard; Doxivetin; Doxy-Caps; Doxy-Puren; Doxy-Tabs; Doxycen; Doxycycline; Doxycyclinum; Doxytetracycline; EINECS 209-271-1; GS-3065; HSDB 3071; Investin; Liviatin; Monodox; Nordox; Oxytetracycline, 6-deoxy-; Ronaxan; Spanor; Vibra-Tabs; Vibramycin; Vibramycine; Vibravenos. Tetracycline antibiotic. *Oclassen Pharm. Inc.; Pfizer Intl.*

1552 Doxycycline hyclate

24390-14-5 3474 D G



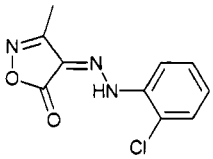
$C_{46}H_{56}Cl_2N_4O_{17}.H_2O$

4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride compound with ethyl alcohol (2:1) monohydrate.

Atridox; Azudoxat; Bassado; Clinofug; Diocimex; Doryx; Doxatet; Doxichel hyclate; Doxicrisol; Doxycycline hyclate; Doxycycline hydrochloride hemiethanolate hemihydrate; Doxylar; Doxytem; Duradoxal; Granudoxy; Hydramycin; Mespafin; Nordox; Paldomycin; Periostat; Retens; Ronaxan; Sigadoxin; Spanor; Tetradox; Unacil; Vibra-Tabs; Vibramycin Hyclate; Vibraveineuse; Vibravenös; Vivox; Zadorin. Tetracycline antibiotic. Solid; dec 201°; $[\alpha]_D^{25}$= -110° (c = 1 in 0.01N HCl/MeOH): λ_m 267, 351 nm (log ε 4.24 4.12 0.01N HCl/MeOH); soluble in H_2O; LD_{50} (rat ip) = 262 mg/kg. *Apothecon; Bristol-Myers Squibb Pharm. R&D; Elkins-Sinn; Lemmon Co.; Parke-Davis; Pfizer Intl.*

1553 Drazoxolon

5707-69-7 3478 G P



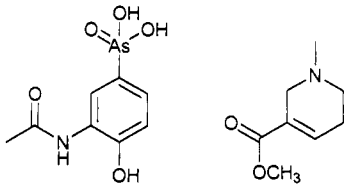
$C_{10}H_8ClN_3O_2$

3-Methyl-4,5-isoxazoledione 4-[(2-chlorophenyl)hydrazone].

Caswell No. 207C; 4-(2-Chlorophenylhydrazone)-3-methyl-5-isoxazolone; 4-((o-Chlorophenyl)hydrazono)-3-methyl-2-isoxazolin-5-one; Drazoxolon; Drazoxolone; EINECS 227-197-8; EPA Pesticide Chemical Code 207400; Ganocide; 4,5-Isoxazoledione, 3-methyl-, 4-((o-chlorophenyl)hydrazone); 3-Methyl-2-isoxazoline-4,5-dione 4-((2-chlorophenyl)hydrazone); 3-Methyl-4-(o-chlorophenylhydrazono)-5-isoxazolone; 3-Methyl-4-((o-chlorophenyl)hydrazone)-4,5-isoxazoledione; 3-Methyl-4,5-isoxazoledione 4-((2-chlorophenyl)hydrazone); Mil-col; PP781; Saisan; Sopracol; Sopracol 781; 3-Methyl-2-isoxazoline-4,5-dione 4-((2-chlorophenyl)hydrazone); 3-Methyl-4-((o-chlorophenyl)hydrazone)-4,5-isoxazole-dione; 3-Methyl-4,5-isoxazoledione 4-((2-chlorophenyl)-hydrazone); Mil-col; PP781; Saisan; Sopracol; Sopracol 781. Fungicide. Yellow crystals; mp = 167°; insoluble in H_2O, soluble in EtOH, $CHCl_3$, ketones, aromatic hydrocarbons; LD_{50} (rat orl) = 126 mg/kg, (mus orl) = 129 mg/kg, (rbt orl) = 100 - 200 mg/kg, (gpg orl) = 12.5 - 25 mg/kg, (dog orl) = 17 mg/kg, (cat orl) = 50 - 100 mg/kg, (hen orl) ≅100 mg/kg; LC_{50} (brown trout 96 hr.) = 0.55 mg/l. *ICI Agrochemicals.*

1554 Drocarbil

900-77-6 783 G V



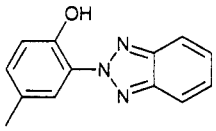
$C_{16}H_{23}AsN_2O_7$

Methyl 1,2,5,6-tetrahydro-1-methylnicotinate with mono-((3-acetamido-4-hydroxyphenyl)arsonate).

Arecoline-acetarsol; Drocarbil; EINECS 212-983-5; Nemural. Drocarbil is a formulation of cestarsol with acetarsone and is used in veterinary medicine as an anthelmintic (Cestodes) and a cathartic. Pale yellow powder; freely soluble in H_2O. *May & Baker Ltd.*

1555 Drometrizole

2440-22-4 3482 D G H



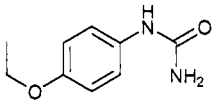
$C_{13}H_{11}N_3O$

2-(2H-Benzotriazol-2-yl)-p-cresol.

Benazol P; Benazol P; 2-(2H-Benzotriazol-2-yl)-4-methylphenol; 2-(2H-Benzotriazol-2-yl)-p-cresol; 2-Benzotriazolyl-4-methylphenol; BRN 0615546; p-Cresol, 2-(2H-benzotriazol-2-yl)-; Drometrizol; Drometrizole; Drometrizolum; EINECS 219-470-5; 2-(2-Hydroxy-5-methylphenyl)-2H-benzotriazole; 2-(2-Hydroxy-5-methylphenyl)benzotriazole; NSC 91885; Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-; Porex P; Tin P; Tinuvin P; Topanex 100BT; UV Absorber-1; Uvazol P. UV absorber, light stabilizer, antioxidant protecting plastics (PVC, styrenics, acrylics, unsaturated polyesters), lacquers; effective at 290-380 nm. Used medicinally as an ultraviolet screen. Crystals; mp = 131-133°; bp_{10} = 225°; soluble in EtOAc, Me_2CO, dioctyl phthalate; caprolactam. *Ciba-Geigy Corp.; EniChem Am.; ICI Americas Inc.*

1556 Dulcin

150-69-6 3497 G



$C_9H_{12}N_2O_2$

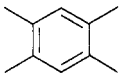
(4-Ethoxyphenyl)urea.

4-13-00-01154 (Beilstein Handbook Reference); AI3-08931; BRN 2096445; CCRIS 5913; Dulcin; Dulcine; Dulein; EINECS 205-767-7; NCI-C02073; NSC 1839; p-Aethoxyphenylharnstoff; p-Ethoxyfenylmocovina; 4-Ethoxyphenylurea; p-Ethoxyphenylurea; N-(4-Ethoxy-phenyl)urea; p-Phenethylurea; p-Phenetolcarbamid; p-Phenetolcarbamide; p-Phenetylurea; Phenethylcarbamid; Phenetolcarbamide; Sucrol; Suesstoff; Urea, (4-ethoxyphenyl)-; Urea, (p-ethoxyphenyl)-; Valzin. Used as a sweetening substance; 200 times sweeter than cane sugar. Use of this material in foods is prohibited by the USA FDA. Crystals; mp = 173-174°; soluble in H_2O, EtOH; TDLo (wmn orl) = 600 mg/kg, LDLo (chd orl) = 400

mg/kg.

1557 Durene

95-93-2 3501 G



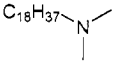
$C_{10}H_{14}$

1,2,4,5-Tetramethylbenzene.

AI3-25182; Benzene, 1,2,4,5-tetramethyl-; Durene; Durol; EINECS 202-465-7; NSC 6770; 1,2,4,5-Tetramethylbenzene; p-Xylene, 2,5-dimethyl-. Used in organic synthesis, plasticizers, polymers, fibers. An agricultural chemical used as a fungicide, bactericide and wood preservative. Crystals; mp = 79.3°; bp = 196.8°; d^{81} = 0.8380; λ_m = 278 nm (cyclohexane); insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether; LD_{50} (rat orl) = 6989 mg/kg.

1558 Dymanthine

124-28-7 3508 D G H



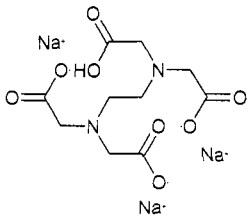
$C_{20}H_{43}N$

N,N-Dimethyl-1-octadecanamine.

3-04-00-00433 (Beilstein Handbook Reference); ADMA 18; Adogen 342D; Adogen® MA-108 SF; AI3-09118; Armeen DM 18D; BRN 1763346; Crodamine 3.A18D; Dimantina; Dimantine; Dimantinum; Dimethyloctadecyl-amine; Dimethyl-N-octadecylamine; Dimethyl stear-amine; Dimethyl stearylamine; DM 18D; Dymanthine; EINECS 204-694-8; Farmin DM 80; HSDB 5472; Kemamine 9902D; Kemamine® T-9902; 1-Octadecanamine, N,N-dimethyl-; Octadecylamine, N,N-dimethyl; Octadecyldimethylamine; Onamine 18; Stearyldimethylamine. Emulsifier for herbicides, ore flotation, pigment dispersion; auxiliary for textiles, leather, rubber, plastics, and metal industries. Chemical intermediate; personal care additive. Also used as an anthelmintic. Intermediate for quats; used in cosmetics and textiles; acid scavenger in petrol, products. Intermediate in the synthesis of surfactants, antioxidants, oil and grease additives. Both Dymanthine and its hydrochloride salt Thelmesan ($C_{20}H_{43}N \cdot HCl$) are used as anthelmintics. Liquid; mp ■ 23°; d = 0.800. *CK Witco Corp.; Croda; Lonzagroup; Sherex.*

1559 Edetate Trisodium

150-38-9 3545 D G P



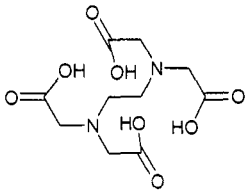
$C_{10}H_{13}N_2Na_3O_8$

Trisodium hydrogen(ethylenedinitrilo)tetraacetate.

AI3-18050; CCRIS 294; Edetate Trisodium; EDTA; EDTA trisodium salt; EINECS 205-758-8; Limclair; NCI-C03974; Nevanaid-B powder; Perma kleer 50, trisodium salt; Sequestrene Na3; Sequestrene NA3; Sequestrene trisodium; Sequestrene trisodium salt; Trilon AO; Trisodium edetate; Trisodium EDTA; Trisodium ethylenediaminetetraacetate; Trisodium ethylenediamine-tetraacetate trihydrate; Trisodium versenate; Versene-9. Chelating agent. Crystals; mp > 300°; very soluble in H_2O. *Grace W.R. & Co.*

1560 Edetic acid

60-00-4 3546 G P



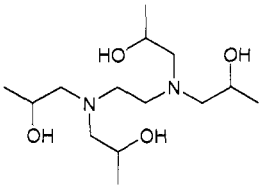
$C_{10}H_{16}N_2O_8$

Ethylenediaminetetraacetic acid.

4-04-00-02449 (Beilstein Handbook Reference); Acetic acid, (ethylenedinitrilo)tetra-; Acide edetique; Acide ethylenediaminetetracetique; Acido edetico; Acidum edeticum; AI3-17181; BRN 1716295; Caswell No. 438; CCRIS 946; Celon A; Celon ATH; Cheelox; Cheelox BF acid; Chelest 3A; Chemcolox 340; Clewat TAA; Complexon II; Dissolvine E; Edathamil; Edetic acid; EDTA; EDTA acid; EINECS 200-449-4; Endrate; EPA Pesticide Chemical Code 039101; Ethylene diamine tetraacetic acid; Ethylenebisiminodiacetic acid; Gluma cleanser; Glycine, N,N'-1,2-ethanediylbis(N-(carboxy-methyl)-; Hamp-ene acid; Havidote; HSDB 809; ICRF 185; Komplexon II; Kyselina ethylendiamintetraoctova; Metaquest A; Nervanaid B acid; Nullapon B acid; Nullapon BF acid; Permakleer 50 acid; Quastal Special; Questex 4H; SEQ 100; Sequestrene AA; Sequestric acid; Sequestrol; Tetrine acid; Titriplex; Titriplex II; Trilon BS; Trilon BW; Universene acid; Versene; Versene acid; Vinkeil 100; Warkeelate acid; YD 30. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide (cancelled). FDA approved for otics, rectals, topicals, USP/NF compliance. Used as a chelating, metal complexing agent, excipient and preservative, used in otics, rectals, topicals, ophthalmics, ear/nose/eye drops, local anesthetics, antibiotics, antihistamines, in diagnosis and treatment of heavy metal poisoning and iron overload. Also used as a food additive. A chelating agent; used where sodium ion is undesirable; for soaps, detergents, water treatment, metal finishing and plating, pulp and paper manufacturing, synthesis of polymers, photographic products, textiles, chemical cleaning for scale removal. Irritant, toxic if ingested. Solid; mp > 220° (dec); soluble in H_2O (200 mg/100 ml); LD_{50} (rat ip) ■ 397 mg/kg, (mus orl) = 30 mg/kg, (mus ip) = 25 mg/kg. *Akzo Nobel; Allchem Ind.; Allied Colloids; Chemplex; Hampshire; Protex SA; Showa Denko; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1561 Edetol

102-60-3 3630 G H



$C_{14}H_{32}N_2O_4$

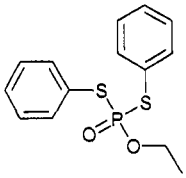
Tetrahydroxypropyl ethylenediamine.

4-04-00-01685 (Beilstein Handbook Reference); Adeka Quadrol; BRN 1781143; Edetol; Edetolum; EINECS 203-041-4; Entprol; HSDB 5349; Neutrol TE; NSC 369219; Quadrol; Quadrol L; Tetrahydroxypropyl ethylene-diamine; Tetrakis(2-hydroxypropyl)ethylenedi-amine; THPE. Chelating agent; intermediate used in resins, emulsifiers, surfactants, pharmaceuticals, herbicides, fungicides, insecticides, adhesives, and

plasticizers. Liquid; $bp_{0.8}$ ■ 175-181°, d^{25} ■ 1.030; slightly soluble in $CHCl_3$, soluble in H_2O, EtOH, Et_2O.

1562 Edifenphos

17109-49-8 3547 GP



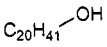
$C_{14}H_{15}O_2PS_2$

O-Ethyl S,S-diphenyl phosphorodithioate.

O-Aethyl-S,S-diphenyl-dithiophosphat; O-Äthyl-S,S-diphenyl-dithiophosphat; Bay-hinosan; BAY 78418; Bayer 78418; BRN 1988797; *Caswell No. 434B; Dithio-phosphorsaeure-O-aethyl-S,S-diphenylester;* Dithiophos-phorsäure-O-aethyl-S,S-diphenylester; EDDP; EDDP (pesticide); Edifenphos; Ediphenphos; EINECS 241-178-1; EPA Pesticide Chemical Code 434300; O-Ethyl-S,S-diphenyl phosphorodithioate; O-Ethyl S,S-diphenyl dithiophosphate; Hinosan; Phosphorodithioic acid, O-ethyl-S,S-diphenyl ester; SRA 7847. Foliar fungicide with protective and curative action. Used for control of rice blast. Also for blight diseases, stem rot and *Fusarium* leaf spot in rice. Light brown liquid; $bp_{0.01}$ ■ 154°; sg^{20} = 1.23; soluble in H_2O (0.0056 g/100 ml), freely soluble in MeOH, Me_2CO, C_6H_6, xylene, CCl_4, dioxane; LD_{50} (mrat orl) = 212 - 340 mg/kg, (frat orl) = 100 - 150 mg/kg, (mus orl) ■ 218 - 670 mg/kg, (gpg, rbt orl) = 350 - 400 mg/kg, (mrat der) = 700 - 800 mg/kg, (hen orl) = 750 mg/kg; LC0 (rat ihl 4 hr.) ■ 0.32 - 0.36 mg/l air; (mirror carp 48 hr.) = 1.3 mg/l; non-toxic to bees. *Bayer Corp., Agriculture; Mobay; Nihon Nohyaku Co. Ltd.*

1563 Eicosanol

629-96-9 H



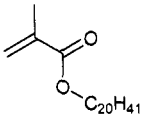
$C_{20}H_{42}O$

n-1-Eicosanol.

AI3-36485; Arachic alcohol; Arachidic alcohol; Arachidyl alcohol; 1-Eicosanol; Eicosyl alcohol; EINECS 211-119-4; HSDB 5731; Icosan-1-ol; n-1-Eicosanol; n-Eicosanol; NSC 120887. Solid; mp = 66.1°; bp ■ 309°, bp_3 = 222°; D^{20} ■ 0.8405; insoluble in H_2O, slightly soluble in EtOH, $CHCl_3$, soluble in C_6H_6, petroeum ether, very soluble in Me_2CO.

1564 Eicosyl methacrylate

45294-18-6 H



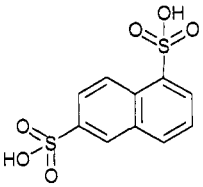
$C_{24}H_{46}O_2$

2-Propenoic acid, 2-methyl-, eicosyl ester.

Eicosyl methacrylate; EINECS 256-220-4; Icosyl methacrylate; 2-Propenoic acid, 2-methyl-, eicosyl ester.

1565 Eiver-Pick acid

525-37-1 6399 G



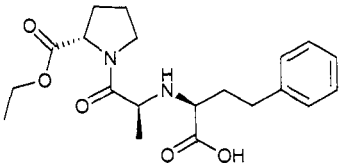
$C_{10}H_8O_6S_2$

1,6-Naphthalene-disulfonic acid.

N-1,6-Dsa; 1,6-Naphthalenedisulfonic acid. Chemical intermediate. Orange prisms, mp ■ 125° (dec); λ_m = 237, 273, 342 nm (ε = 77625, 4169, 1698, 5% HCl-EtOH); insoluble in Et_2O, soluble in EtOH, very soluble in H_2O.

1566 Enalapril

75847-73-3 3599 D



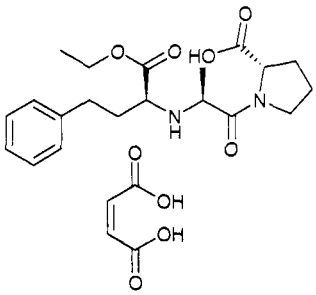
$C_{20}H_{28}N_2O_5$

1-[N-[(S)-1-Carboxy-3-phenylpropyl]-L-alanyl]-L-proline 1'-ethyl ester.

Bonuten; Enalapril; Enalapril Richet; Enalaprila; Enalaprilum; Gadopril; HSDB 6529; Kinfil. Angiotensin-converting enzyme inhibitor. Used to treat hypertension. Orally active peptidyldipeptide hydrolase inhibitor. *Merck & Co.Inc.*

1567 Enalapril Maleate

76095-16-4 3599 D



$C_{24}H_{32}N_2O_9$

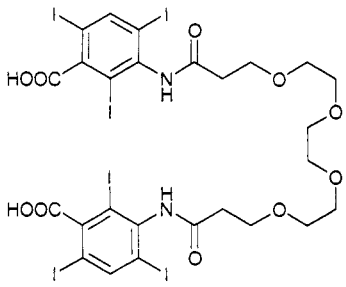
1-[N-[(S)-1-Carboxy-3-phenylpropyl]-L-alanyl]-L-proline 1'-ethyl ester maleate (1:1).

A-Rin; Acetensil; Alphrin; Amprace; Analept; Atens; Baripril; Benalapril; Benalipril; Biocronil; Bitensil; BQL; Cardiovet; Controlvas; Converten; Convertin; Copriior; Coroldil; Crinoren; Dabonal; Defluin; Denapril; Ecapril; Ednyt; EINECS 278-375-7; Elfonal; Enacard; Enaladil; Enalapril maleate; Enalasyn; Enaloc; Enap; Enapren; Enapres; Enapril; Enaprin; Enarenal; Enaril; Envas; Eupressin; Feliberal; Glioten; Herten; Hipoartel; Hipten; Hytrol; Innovace; Innovade; Inoprilat; Insup; Invoril; Kenopril; Konveril; Lapril; Lipraken; Lotrial; Mapryl; Mepril; Minipril; MK-421; MK-421 maleate; Naprilene; Naritec; Neotensin; Norpril; Nuril; Olivin; Palane; Pres; Presil; Pressotec; Pril; Prilenap; Pulsol; Reca; Regomed; Renavace; Renitec; Renitek; Reniten; Renivace; Repantril; Ristalen; Sintec; Tenace; Tensazol; Unaril; Unipril; Vapresan; Vaseretic; Vasopril;

Vasotec; Xanef.; component of: Vaseretic, Acesistem, Co-Renitec, Innozide, Renacor, Xynertec. Angiotensin-converting enzyme inhibitor. Used to treat hypertension. Orally active peptidyldipeptide hydrolase inhibitor. Crystals; mp = 143-144.5°; $[\alpha]_D^{25}$= -42.2° (c = 1 MeOH); soluble in H_2O (2.5 g/100 ml), EtOH (8 g/100 ml), MeOH (20 g/100 ml). *Merck & Co.Inc.*

1568 Endobil

31127-82-9 G



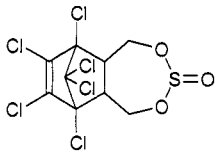
$C_{26}H_{26}I_6N_2O_{10}$

Iodoxamic acid.

Acide iodoxamique; Acido iodossamico; Acido iodoxamico; Acidum iodoxamicum; B 10610; BC-17; Benzoic acid, 3,3'-((1,16-dioxo-4,7,10,13-tetraoxahexa-decane-1,16-diyl)diimino)bis(2,4,6-triiodo-; BRN 2801368; Cholevue; EINECS 250-478-1; Endomirabil; 3,3'-(Ethylenebis(oxyethyleneoxyethylenecarbonyl-imino))bis(2,4,6-triiodobenzoic acid); Iodoxamic acid; Iodoxamsaeure; Iodoxamsäure; SQ 21982; 4,7,10,13-Tetraoxahexadecane-1,16-dioyl-bis(3-carboxytriiodo-anilide); Videocolangio. Diagnostic aid. *Bracco Diagnostics Inc.*

1569 Endosulfan

115-29-7 3608 G H P



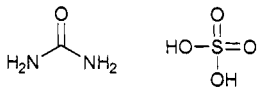
$C_9H_6Cl_6O_3S$

1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

AI3-23979; Benzodioxathiepin-3-oxide; Benzoepin; Beosit; BIO 5462; Caswell No. 420; CCRIS 275; Chlorthiepin; Crisulfan; Cyclodan; Devisulfan; Devisulphan; EINECS 204-079-4; Endocel; Endosalfan and metabolites; Endosulfan; Endosulfan 35 EC; Endosulfan and metabolites; Endosulphan; Endotaf; ENT 23,979; EPA Pesticide Chemical Code 079401; FMC 5462; Goldenleaf tobacco spray; Hexachlorohexa-hydromethano 2,4,3-benzodioxathiepin-3-oxide; Hildan; HOE 2,671; HSDB 390; Insectophene; Kop-thiodan; Malix; NCI-C00566; NIA 5462; Niagara 5.462; OMS 570; PFF Thiodan 4E; Phaser; Rasayansulfan; RCRA waste number P050; SD-4314; Sialan; Thifor; Thimul; Thiodan; Thiodan 35; Thiodan 4E Insecticide Liquid; Thiodan 4EC; Thiodan 4EC Insecticide; Thiodan 50 WP; Thiodan 50 WP Insecticide; Thiodan Dust Insecticide; Thiofor; Thiomul; Thionate; Thionex; Thiosulfan; Thiosulfan tionel; Thiotox; Thiotox (insecticide); Tionex; Tiovel. Non-systemic insecticide and acaricide with contact and stomach action. Used in control of sucking, chewing and boring insects and mites on a wide variety of crops. The commercial product is a mixture of an α-isomer (mp = 108-110°) and a β-isomer. Registered by EPA as an insecticide and acaricide. Crystals; mp = 106° (α-form) or 213° (β form); $bp_{0.7}$ = 106°; slightly soluble in H_2O (0.000032 g/100 ml), soluble in EtOAc (20 g/100 ml), CH_2Cl_2 (20 g/100 ml), C_7H_8 (20 g/100 ml), EtOH (6.5 g/100 ml), C_6H_{14} (2.4 g/100 ml); LD_{50} (rat orl) = 70 - 110 mg/kg, (frat orl) = 18 mg/kg, (dog orl) = 77 mg/kg, (rbt der) = 359 mg/kg, (mallard duck orl) = 205 - 245 mg/kg; LC_{50} (rat ihl 1 hr.) = 21 mg/l air, (golden orfe 96 hr.) = 0.002 mg/l; non-toxic to bees. *AgrEvo; Agriliance LLC; Aventis Crop Science; Cape Fear Chemicals Inc; Dragon Chemical Corp.; FMC Corp.; Gowan Co.; Helena Chemical Co.; Hoechst UK Ltd.; Makhteshim Chemical Works Ltd.; Micro-Flo Co. LLC; Universal Cooperatives Inc.; Value Gardens Supply LLC.*

1570 Enquik

21351-39-3 H



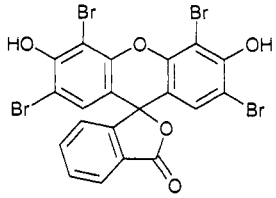
$CH_6N_2O_5S$

Urea Sulfate.

EINECS 244-343-6; Enquik; EPA Pesticide Chemical Code 128961; Monocarbamide dihydrogen sulfate; Monourea sulfuric acid adduct; N-Tac; Sulfuric acid, monourea adduct; Tac dessicant; Urea sulfate; Uronium hydrogen sulphate. Registered by EPA as a herbicide. *Entek Corp.*

1571 Eosin

15086-94-9 G



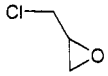
$C_{20}H_6O_5Br_4Na_2$

2',4',5',7'-Tetrabromofluorescein.

4-19-00-02917 (Beilstein Handbook Reference); acid eosin; BRN 0063410; Bromeosin; Bromoeosin; C.I. 45380:2; C.I. Solvent Red 43; CCRIS 4904; CI 45380:2; D & C Red no. 21; D and C Red No. 21; D&C Red No. 21; 2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)-benzoic acid; 3,6-Dihydroxy-2,4,5,7-tetrabromospiro-(xanthene-9,3'-phthalide); EINECS 239-138-3; Eosin; Eosin A; Eosin acid; Eosin 3J; Eosin 4J extra; Eosin A extra; Eosin B; Eosin C; Eosin DH; Eosin G; Eosin G Extra; Eosin GGF; Eosin JJS; Eosin KS; Eosin yellowish; Eosin Y spirit soluble; Eosine acid; Fluorescein, 2',4',5',7'-tetrabromo-; Japan Red 223; Japan Red No. 223; NSC 244436; Red No. 223; Solvent Red 43; Spiro(isobenzofuran-1(3H),9'-(9H)-xanthen)-3-one, 2',4',5',7'-tetrabromo-3',6'-di-hydroxy-; Water soluble eosin. The alkali salts of tetrabromo-fluoresceine, dyes wool and silk yellowish red; used as a microscopic stain and a fluorescent tracer dye; red writing ink; cosmetic products and a colorant for motor fuel. Red solid.

1572 Epichlorohydrin

106-89-8 3642 G H



C_3H_5ClO

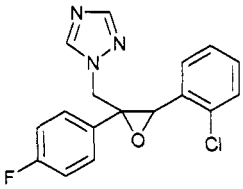
1-Chloro-2,3-epoxypropane.

5-17-01-00020 (Beilstein Handbook Reference); AI3-03545; BRN

0079785; Caswell No. 424; CCRIS 277; Chloromethyloxirane; Chloropropylene oxide; EINECS 203-439-8; EPA Pesticide Chemical Code 097201; epi-Chlorohydrin; Epichloorhydrine; Epichlorhydrin; Epi-chlorhydrine; Epichlorohydryna; Epichlorophydrin; Epi-cloridrina; Glycerol epichlorhydrin; Glycerol epichloro-hydrin; Glycidyl chloride; HSDB 39; NCI-C07001; NSC 6747; Oxirane, (chloromethyl)-; Oxirane, 2-(chloro-methyl); Propane, 1-chloro-2,3-epoxy-; RCRA waste number U041; Skekhg; UN2023. Major raw material for epoxy and phenoxy resins, manufacture of glycerol, curing propylene-based rubbers; solvent for cellulose esters and ethers; high wet-strength resins for paper industry. Liquid; mp = -25.6°; bp = 117.9°, bp_{400} = 98°, bp_{200} = 79.3°, bp_{100} = 62.0°, bp_{40} = 42.0°, bp_{10} = 16.6°, $bp_{1.0}$ = -16.5°; d^{20}_{4} = 1.1812; insoluble in H_2O, very soluble in EtOH, Et_2O, $CHCl_3$, CCl_4; LD_{50} (rat orl) = 0.09 g/kg.

1573 Epoxiconazole

133855-98-8 3659 P



$C_{13}H_{17}ClFN_3O$

(±)-1-{(3-(2-Chlorophenyl)-2-(4-fluorophenyl)oxiranyl)-methyl)-1H-1,2,4-triazole cis-.

(2RS, 35R)-1-(3-(2-Chlorophenyl)-2,3-epoxy-2-(4-fluoro-phenyl)propyl)-1H-1,2,4-triazole; 1-{(3-(2-Chlorophenyl)-2-(4-fluorophenyl)oxiranyl)methyl)-1H-1,2,4-triazole cis-(±)-; Epoxiconazol; Epoxiconazole; 1H-1,2,4-Triazole, 1-((3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl)methyl)-, cis-(±)-; 1H-1,2,4-Triazole, 1-(((2R,3S)-3-(2-chloro-phen-yl)-2-(4-fluorophenyl)oxiranyl)methyl)-, rel-. Fungicide. Crystals; mp = 136.2°; insoluble in H_2O (0.000663 g/100 ml), soluble in Me_2CO (18 g/100 ml), CH_2Cl_2 (14 g/100 ml), C_7H_{16} (< 0.1 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (rat der) > 2000 mg/kg; LC_{50} (rat ihl 4 hr.) > 5.3 mg/l. *BASF Corp.*

1574 Epoxidized linseed oil

8016-11-3 H

Epoxidized linseed oil.

EINECS 232-401-3; Epoxidized linseed oil; Linseed oil, epoxidized.

1575 Epoxidized soybean oil

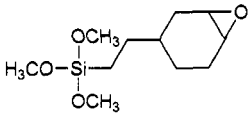
8013-07-8 H

Epoxidized soybean oil.

EINECS 232-391-0; Epoxidized soybean oil; Fatty acid, soybean oil, epoxidized; Flexol EPO; Oils, soybean, epoxidized; Paraplex G-60; Paraplex G-62; PX-800; Soybean oil, epoxidized.

1576 Epoxycyclohexylethyl trimethoxy silane

3388-04-3 G



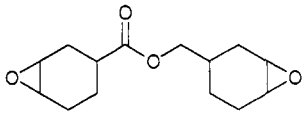
$C_{11}H_{22}O_4Si$

2-(3,4-Epoxycyclohexyl) ethyltriacetoxysilane.

A 186 (coupling agent); A 186 (heterocycle); AI3-52751; CCRIS 3047; CE 6250; E 6250; EINECS 222-217-1; ((Epoxycyclohexyl)ethyl)trimethoxy silane; (3,4-Epoxy-cyclohexyl)ethyltrimethoxysilane; (2-(3,4-Epoxycyclo-hexyl)ethyl)trimethoxysiiane; β-(3,4-Epoxycyclohexyl)-ethyltrimethoxy silane; KBM 303; NSC 139838; NUCA 186; S 530; Sila-Ace S 530; Silane, (β-(3,4-epoxycyclo-hexyl)ethyl)trimethoxy-; Silane, β-(3,4-epoxycyclohexyl)-ethyltrimethoxy-; Silane A 186; Silane, trimethoxy(2-(7-oxabicyclo(4.1.0)hept-3-yl)ethyl)-; Silane Y-4086; Silic-one A-186; 3-(2-(Trimethoxysilyl)ethyl)-7-oxabicyclo-(4.1.0)heptane; 4-(2-(Trimethoxysilyl)ethyl)-7-oxabicyclo-(4.1.0)heptane; UC-A 186; Union carbide® A-186; Y 4086. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used as a crosslinking agent, adhesion promoter for coatings; provides durability. Liquid; bp = 310°; d = 1.065. *Degussa-Hüls Corp.; Union Carbide Corp*

1577 3,4-Epoxycyclohexylmethyl-3,4-epoxycyclohexanecarboxylate

2386-87-0 H



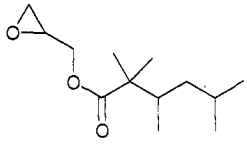
$C_{14}H_{20}O_4$

7-Oxabicyclo(4.1.0)hept-3-ylmethyl 7-oxabicyclo(4.1.0)-heptane-3-carboxylate.

BRN 1381750; Chissonox 221 monomer; EINECS 219-207-4; 3,4-Epoxycyclohexylmethyl 3,4-epoxycyclo-hexane carboxylate; ERL-4221; HSDB 5873; 7-Oxabicyclo(4.1.0)hept-3-ylmethyl 7-oxabicyclo(4.1.0)-heptane-3-carboxylate; UT 632. *Chisso Corp. USA.*

1578 2,3-Epoxypropyl neodecanoate

26761-45-5 G H



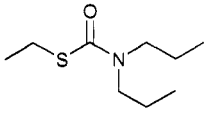
$C_{13}H_{24}O_3$

Neodecanoic acid, 2,3-epoxypropyl ester.

Cardura E 10; CCRIS 2627; EINECS 247-979-2; 2,3-Epoxypropyl neodecanoate; Glycidyl ester of neodecanoic acid; Glycidyl neodecanoate; Glydexx N 10; Neodecanoic acid, 2,3-epoxypropyl ester; Neodecanoic acid, oxiranylmethyl ester; 1-Propanol, 2,3-epoxy-, neodecanoate. Polyfunctional monomer; in coatings to improve adhesion to substrate and solvent resistance. Liquid; bp = 260°; d = 0.97; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) > 9.59 g/kg. *ExxonMobil Chem. Co.*

1579 EPTC

759-94-4 3669 G P



$C_9H_{19}NOS$

S-Ethyl dipropylcarbamothioate.

4-04-00-00487 (Beilstein Handbook Reference); S-Aethyl-N,N-dipropylthiolcarbamat; S-Äthyl-N,N-dipropylthiol-carbamat; Alirox;

BRN 1762751; Carbamic acid, di-propylthio-, S-ethyl ester; Carbamothioic acid, dipropyl-, S-ethyl ester; Caswell No. 435; CCRIS 6035; Dipropylcarbamothioic acid S-ethyl ester; Dipropylthiocarbamic acid S-ethyl ester; N,N-Dipropylthio-carbamic acid S-ethyl ester; EINECS 212-073-8; EPA Pesticide Chemical Code 041401; Eptam; Eptam 6E; EPTC; Ethyl dipropylthiocarbamate; S-Ethyl dipropylthio-carbamate; S-Ethyl N,N-dipropylthiocarbamate; S-Ethyl N,N-di-n-propylthiocarbamate; FDA 1541; Genep; Genep EPTC; HSDB 394; Niptan; NSC 40486; R 1608; Stauffer R 1608; Torbin; Witox. Selective systemic herbicide, used to control annual and perennial grasses in many crops. Liquid; bp_{20} ■ 127°; d^{30} = 0.9546; soluble in H_2O (36.5 g/100 ml 20°, 37.5 g/100 ml 25°), freely soluble in C_6H_6, C_7H_8, C_8H_{10}; LD_{50} (rat ori) = 1630 mg/kg.

1580 Erbium

7440-52-0 3675 G

Er

Er

Erbium.

EINECS 231-160-1; Erbium. Rare-earth element; used in nuclear controls, special alloys, room-temperature laser. Metal; mp = 1529°; bp ■ 2868°; d = 9.066. *Atomergic Chemetals; Cerac; Noah Chem.; Rhône-Poulenc.*

1581 Erbium oxide

12061-16-4 G

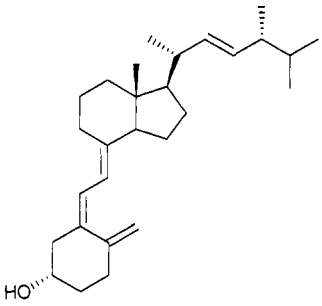
Er_2O_3

Erbia.

Dierbium trioxide; EINECS 235-045-7; Erbia; Erbium oxide; Erbium oxide (Er_2O_3); Erbium sesquioxide; Erbium trioxide; Erbium(3+) oxide; Erbium(III) oxide. Phosphor activator, infrared-absorbing glass. Solid; d ■ 8.64; changing into crystals on heating at 1300°; soluble in acids, H_2O. *Atomergic Chemetals; Cerac; Noah Chem.; Rhône-Poulenc.*

1582 Ergocalciferol

50-14-6 10078 G



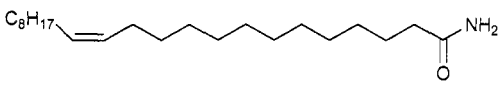
$C_{28}H_{44}O$

(3β,5Z,7E,22E)-9,10-Secoergosta-5,7,10(19)-,22-tetraen-3-ol.

Activated ergosterol; D-Arthin; Buco-D; Calciferol; Calciferolum; Calciferon 2; Condocaps; Condol; Crystallina; Daral; Davitamon D; Davitin; De-rat concentrate; Decaps; Dee-Osterol; Dee-Ron; Dee-Ronal; Dee-Roual; Deltalin; Deratol; Detalup; Diactol; Divit urto; Doral; Drisdol; EINECS 200-014-9; Ergocalciferol; Ergocalciferolo; *Ergocalciferolum*; Ergorone; Ertron; Fortodyl; Geltabs; Haliver; HI-Deratol; HSDB 819; Hyperkil; Infron; Metadee; Mina D2; Mulsiferol; Mykostin; Novovitamin-D; NSC 62792; Oleovitamin D2; Ostelin; Radiostol; Radsterin; Rodine C; Rodinec; Shock-ferol; Sorex C.R.; *Sterogyl*; *D*-Tracetten; Vigantol; Vio-D; Viosterol; Vitamin D2; (+)-Vitamin D2; Vitavel-D. A fat soluble vitamin, deficiency of which causes rickets, in children and osteomalacia in adults; $C_{28}H_{44}O$; used as a dietary supplement and as a rodenticide. Crystals; mp= 115-118°; $[\alpha]_D^{25}$= +83° (c= 2 Me_2CO); λ_m = 264.5 nm ($E^{1\%}_{cm}$ 459, hexane); insoluble in H_2O, soluble in organic solvents.

1583 Erucamide

112-84-5 G H



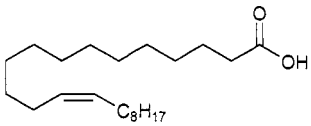
$C_{22}H_{43}NO$

13-Docosenamide, (13Z)-.

Armid® E; 13-Docosenamide; 13-Docosenamide, (13Z)-; 13-Docosenamide, (Z)-; (Z)-Docos-13-enamide; EINECS 204-009-2; Erucamide; Erucic acid amide; Erucyl amide; Erucylamide; HSDB 5577; Petrac® Eramide®; Unislip 1753. Mold release agent for rubber and plastics; auxiliary for processing rubber. Foam stabilizer; solvent for waxes and resins, emulsions; slip/antiblock agent for polyethylene. slip, release, antitack, and/or internal mold release agent; used in PP for extrusion of sheets, in injection molding; antistat; in polyvinyls for films and sheeting; in polyethylene it imparts slip and antiblock characteristics in film application; internal mold release agent in molded products, lamination of PE to cellophane and in PE extrusion coatings; withstands high processing temperatures, food contact applications. Solid; mp = 79°; insoluble in H_2O, soluble in organic solvents. *Chemax; CK Witco Corp.; Croda; Syn Prods.; Syntetics Products Co; Unichema.*

1584 Erucic acid

112-86-7 3707 G H



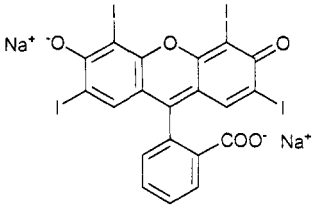
$C_{22}H_{42}O_2$

13-Docosenoic acid, (Z)-.

AI3-18180; 13-Docosenoic acid, (Z)-; 13-Docosenoic acid, (13Z)-; 13-cis-Docosenoic acid; cis-13-Docosenoic acid; (Z)-Docos-13-enoic acid; EINECS 204-011-3; Erucic acid; HSDB 5015; Hystrene 2290; NSC 6814. Major fatty acid in mustard, rapeseed and wallflower seed. Used as a chemical intermediate. Needles; mp ■ 33.5°; bp = 381°, bp_{15} = 265°; d^{55} ■ 0.860; insoluble in H_2O, soluble in EtOH, CCl_4, very soluble in Et_2O, MeOH.

1585 Erythrosin

16423-68-0 3727 G



$C_{20}H_6O_5I_4Na_2$

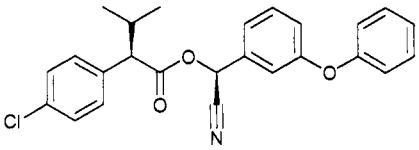
Disodium 2',4',5',7'-tetraiodofluorescein.

1427 Red; 1671 Red; Acid Red 51; AI3-09094; Aizen erythrosine; Aizen Food Red 3; C.I. 45430; C.I. Acid Red 51; C.I. Food Red 14;

Calcocid erythrosine N; Canacert erythrosine BS; 9-(o-Carboxyphenyl)-6-hydroxy-2,4,5,7-tetraiodo-3H-xanthene-3-one disodium salt monohydrate; Caswell No. 425AB; CCRIS 892; Cerven kysela 51; Cerven potravinarska 14; CI 45430; Cilefa Pink B; D&C Red No. 3; 3',6-Dihydroxy-2',4',5',7'-tetraiodospiro(isobenzofuran-1(3H),9'(9H)xanthen)-one disodium salt; Disodium 9-(O-carboxyphenyl)-6-hydroxy-2,4,5,7-tetra-iodo-3H-xanthen-3-one monohydrate; Disodium 3',6'-dihydroxy-2',4',5',7'-tetraiodospiro(isobenzofuran-1(3H), 9'-(9H)xanthen)-3-one; Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl)benzoate; Disodium 2',4',5',7'-tetraiodofluorescein; Dolkwal erythrosine; Dye FD and C Red No. 3; E 127; Edicol Supra Erythrosin AS; Edicol Supra Erythrosine A; EINECS 240-474-8; EPA Pesticide Chemical Code 120901; Erythrosin; Erythrosin B; Erythrosin B sodium salt; Erythrosin BS; Erythrosine; Erythrosine 3B; Erythrosine B; Erythrosine B (biological stain); Erythrosine B-FO (biological stain); Erythrosine bluish; Erythrosine bluish (biological stain); Erythrosine Bluish; Erythrosine BS; Erythrosine Extra; Erythrosine Extra Bluish; Erythrosine Extra Conc. A Export; Erythrosine Extra Pure A; Erythrosine I; Erythrosine K-FO (biological stain); Erythrosine Lake; Erythrosine sodium; Erythrosine sodium (close form); Erythrosine TB; Erythrosine TB Extra; FD&C Red No. 3; FDC Red 3; FDC Red 3 dye; Fluorescein, 2',4',5',7'-tetraiodo-, disodium salt; Food Color Red 3; Food Dye Red 3; Food Red 14; Food Red 3; Food Red No. 3; Hexacert Red No. 3; Hexacol erythrosine BS; LB-Rot 1; Maple erythrosine; New Pink Bluish Geigy; Red Dye No. 3; Schultz No. 887; Sodium erythrosin; Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-2',4',5',7'-tetraiodo-, disodium salt; 2,4,5,7-Tetraiodofluorescein disodium salt; 2',4',5',7'-Tetraiodofluorescein, disodium salt; Tetraiodofluorescein sodium salt; Usacert Red No. 3. The salt of tetraiodofluorescein, Dyes silk and wool bluish-red; used for paper staining. Brown powder; λ_m = 524 nm (H_2O), 531 nm (95% EtOH); LD_{50} (mrat ip) = 340 mg/kg, (frat ip) = 370 mg/kg, (mmus ip) = 400 mg/kg, (fmus ip) = 320 mg/kg, (mrat orl) = 7400 g/kg, (frat orl) = 6800 mg/kg, (mmus orl) = 6700 mg/kg, (fmus orl) = 6900 mg/kg.

1586 Esfenvalerate

66230-04-4 4038 P



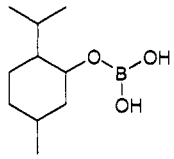
$C_{25}H_{22}ClNO_3$

[S-(R*,R*)]-4-Chloro-α-(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester.

A Alpha; Asana; Asana XL; Benzeneacetic acid, 4-chloro-α-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester, (S-(R*,R*))-; BRN 4275674; Cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)isovalerate; Cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methylbutyrate; (S-(R*,R*))-cyano(3-phenoxyphenyl)methyl 4-chloro-α-(1-methyl-ethyl)benzeneacetate; (S)-α-Cyano-3-phenoxybenzyl(S)-2-(4-chlorophenyl)-3-methylbutyrate; DPX-YB656-84; Du-Pont Asana SP; Esfenvalerate; Fenvalerate (S,S)-isomer; Fenvalerate α; Fenvalerate A α; Halmark; HSDB 6625; OMS 3023; S-1844; S-5620A α; S-fenvalerate; SS-pydrin; Sumi-α; Sumi-alfa; Sumiciclin Aα; Sumicidin A α. Registered by EPA as an insecticide. White crystalline solid; mp = 59 - 60.2°; bp = 151 - 167°; d_{23}^{23} = 1.163; $[\alpha]_D^{25}$ = -15.0° (c = 2.0 MeOH); soluble in H_2O (0.00003 g/100 ml) CH_3CN (> 47 g/100 ml), $CHCl_3$ (> 89 g/100 ml), DMSO (> 66 g/100 ml), DMF (> 56 g/100 ml), EtOAc (> 54 g/100 ml), Me_2CO (> 47 g/100 ml), ethyl Cellosolve (30 - 40 g/100 ml), C_6H_{14} (0.7 - 3.3 g/100 ml), kerosene (< 0.8 g/100 ml), MeOH (5.6 - 8.0 g/100 ml), xylene (> 52 g/100 ml); LD_{50} (rat orl) = 75 - 458 mg/kg, (rbt der) > 2000 mg/kg; LC_{50} (fathead minnow 96 hr.) = 690 ng/l. *Bonide Products, Inc.; DuPont; Mclaughlin Gormley King Co; Shell; Speer Products Inc.; Sumitomo Corp.*

1587 Estoral

53370-45-9 5864 G



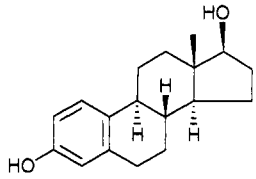
$C_{10}H_{21}BO_3$

Menthyl borate.

Cyclohexanol, 5-methyl-2-(1-methylethyl)-, monoester with boric acid; (H_3BO_3), (1R,2S,5R)-rel-; Cyclohexanol, 5-methyl-2-(1-methylethyl)-, monoester with boric acid; (H_3BO_3), (1α,2β,5α)-, Menthyl borate. Decomposes in solution into its components. Source of menthol. Insoluble in H_2O, EtOH, soluble in organic solvents.

1588 Estradiol

50-28-2 3738 D

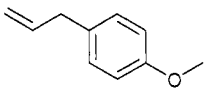


$C_{18}H_{24}O_2$

(17β)-Estra-1,3,5(10)-triene-3,17-diol.

Aerodiol; Alora; Altrad; Aquadiol; Bardiol; CCRIS 280; Climaderm; Climara; Climara Forte; Compudose; Compudose 200; Compudose 365; Corpagen; Dermestril; Dihydrofollicular hormone; Dihydrofolliculin; Dihydro-menformon; Dihydrotheelin; Dihydroxyestrin; Dihydroxy-oestrin; Dimenformon; Diogyn; Diogynets; Divigel; EINECS 200-023-8; Encore; Estra-1,3,5(10)-triene-3,17-β-diol; Estrace; Estracomb TTS; Estraderm; Estraderm MX; Estraderm TTS; Estraderm TTS 50; Estradiol; α-Estradiol; β-estradiol; d-Estradiol; D-3,17-β-Estradiol; D-Estradiol; Estradiol-17β; Estradiol-3,17β; Estradiolo; Estradiolum; Estraldine; Estrapak 50; Estrasorb; Estreva; Estrifam; Estring; Estring Vaginal Ring; Estroclim; Estroclim 50; Estrodiolum; Estrofem 2; Estrofem Forte; Estrogel; Estrogens, esterified; Estrovite; Evorel; Femestral; Femogen; Fempatch; Femtran; Follicyclin; Ginedisc; Ginosedol; Gynergon; Gynestrel; Gynoestryl; GynPolar; HSDB 3589; Lamdiol; Macrodiol; Macrol; Menest; Menorest; Microdiol; Nordicol; NSC-9895; NSC-20293; Oesclim; Oestergon; Oestra-1,3,5(10)-triene-3,17-β-diol; Oestradiol; d-Oestradiol; D-Oestradiol; D-3,17-β-Oestradiol; Oestradiol-17β; Oestradiol Berco; Oestradiol R; Oestradiolum; Oestrogel; Oestroglandol; Oestrogynal; Ovahormon; Ovasterol; Ovastevol; Ovociclina; Ovocyclin; Ovocycline; Perlatanol; Primofol; Profoliol; Profoliol B; Progynon; Progynon-DH; Sandrena Gel; Sisare Gel; SK-Estrogens; Syndiol; Systen; Theelin, dihydro-; Tradelia; Trial SAT; Trocosone; Vagifem; Vivelle; Zerella; Zumenon. Estrogen. mp = 173-179°; $[\alpha]_D^{25}$ = 76° to 83° (dioxane); λ_m = 225, 280 nm; insoluble in H_2O; soluble in EtOH, Me_2CO, dioxane. *Apothecon; Berlex Labs Inc.; Ciba-Geigy Corp.; Marion Merrell Dow Inc.; Mead Johnson Labs.; Pfizer Inc.; Pharmacia & Upjohn; Schering-Plough HealthCare Products.*

1589 **Estragole**
140-67-0 3740 G H

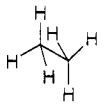


$C_{10}H_{12}O$
4-Allyl-1-methoxybenzene.
4-06-00-03817 (Beilstein Handbook Reference); AI3-16052; 4-Allylanisole; 4-Allyl-1-methoxybenzene; Allyl-phenyl methyl ether, p-; Anisole, p-allyl-; Benzene, 1-methoxy-4-(2-propenyl)-; BRN 1099454; CCRIS 1317; Chavicol methyl ether; Chavicol, O-methyl-; Chavicyl methyl ether; EINECS 205-427-8; EPA Pesticide Chemical Code 062150; Esdragol; Esdragole; Esdragon; Estragole; FEMA Number 2411; HSDB 5412; Isoanethole; Methyl chavicol; NCI-C60946; NSC 404113; Tarragon; Terragon. Used as a perfume and flavorant. bp ◘ 215.5°; d^{25} = 0.965; λ_m = 226, 255, 284 nm (MeOH); very soluble in EtOH, $CHCl_3$; LD_{50} (rat orl) ◘ 1820 mg/kg.

1590 **Estrogens, conjugated**
2533 D

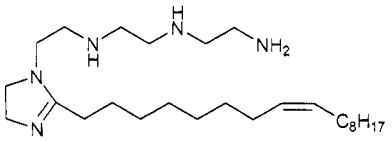
Premarin; component of: PMB-2000, PMB-4000. Estrogen. *Wyeth-Ayerst Labs.*

1591 **Ethane**
74-84-0 3758 H



C_2H_6
Ethane.
Bimethyl; Dimethyl; EINECS 200-814-8; Ethane; Ethyl hydride; HSDB 941; Methylmethane; UN1035; UN1961. Used in the manufacturing of chemical intermediates; in ionization chambers used in subatomic species measurement and in the manufacturing of calibration mixtures. Colorless gas; mp ◘ -182.8°; bp ◘ -88.6°; soluble in hydrocarbon solvents. *BOC Gases*; Mesa Specialty Gases & Equipment.

1592 **1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-(2-(8-heptadecenyl)-4,5-dihydro-1H-imidazol-1-yl)ethyl)-, (Z)-**
65817-50-7 H



$C_{26}H_{53}N_5$
1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-(8Z)-8-heptadecenyl-4,5-dihydro-1H-imidazol-1-yl)ethyl)-.
(Z)-N-(2-Aminoethyl)-N'-(2-(8-heptadecenyl)-4,5-dihydro-1H-imidazol-1-yl)ethyl)ethylenediamine; EINECS 265-935-0; 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-(2-(8Z)-8-heptadecenyl-4,5-dihydro-1H-imidazol-1-yl)ethyl)-.

1593 **Ethanol**
64-17-5 3795 G P

C_2H_6O
1-Hydroxyethane.
Äthanol; Äthylalkohol; Absolute ethanol; Aethanol; Aethylalkohol; AI3-01706; Alcohol; Alcohol, anhydrous; Alcohol dehydrated; Alcohol, diluted; Alcohol, ethyl; Alcool ethylique; Alcool etilico; Algrain; Alkohol; Alkoholu etylowego; Anhydrol; Caswell No. 430; CCRIS 945; Cologne Spirit; Denatured alcohol; Denatured alcohol; Distilled spirits; EINECS 200-578-6; EPA Pesticide Chemical Code 001501; Etanolo; Ethanol; Ethanol absolute; Ethanol solution; Ethanol, undenatured; Ethyl alcohol; Ethyl alcohol; Ethyl hydroxide; Ethylol; EtOH; Etylowy alkohol; FEMA Number 2419; Fermentation alcohol; Grain alcohol; HSDB 82; Hydroxyethane; Jaysol; Jaysol S; Methylcarbinol; Molasses alcohol; NCI-C03134; NSC 85228; Potato alcohol; Ru-Tuss Expectorant; Ru-Tuss Hydrocodone Liquid; Ru-Tuss Liquid; SD Alcohol 23-hydrogen; SDM No. 37; Spirits of wine; Synasol; Tecsol; Tecsol C. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide. In alcoholic beverages. Used as a solvent, in pharmaceuticals, perfumery and organic synthesis. Also as an additive in gasolines; and an antiseptic. Clear liquid; mp = -114°; bp ◘ 78.2°; $d^{15.5}$ = 0.816, d^{20} = 0.7893; miscible with H_2O, MeOH, $CHCl_3$, Me_2CO, Et_2O. TLV ◘ 1000 ppm in air; moderately toxic if ingested. Depressant drug. *ADM Ethanol; BP Chem.; Condea Vista Co.; Coyne; Eastman Chem. Co.; Georgia Pacific; Gist-Brocades Intl.; Grain Processing; Great Western; Quantum/USI; Spectrum Chem. Manufacturing; Union Carbide Corp.*

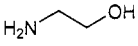
1594 **Ethanol, 2,2'-iminobis-, N-coco alkyl derivs.**
61791-31-9 H

N,N-Bis(hydroxyethyl)cocoamine.
N,N-Bis(2-hydroxyethyl)(coconut oil alkyl)amine; N,N-Bis(hydroxyethyl)cocoamine; Coconut fatty acid diethanolamide; Diethanolamine coconut fatty acid condensate; EINECS 263-163-9; Ethanol, 2,2'-iminobis-, N-coco alkyl derivs.

1595 **Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.**
61791-44-4 H

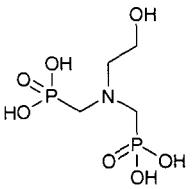
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.
EINECS 263-177-5; Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

1596 **Ethanolamine**
141-43-5 3762 G P



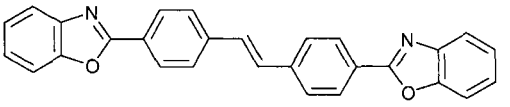
C_2H_7NO
1-Amino-2-hydroxyethane.
Äthanolamin; Aethanolamin; AI3-24219; Aminoethanol; Caswell No. 426; CCRIS 6260; Colamine; EINECS 205-483-3; EPA Pesticide Chemical Code 011601; Etanolamina; Ethanol, 2-amino-; Ethanolamine; Ethylolamine; Glycinol; HSDB 531; Kolamin; MEA (alcohol); Monoäthanolamin; Monoaethanolamin; Monoethanolamine; Olamine; Thiofaco M-50; UN2491; USAF EK-1597. Scrubbing acid gases, especially in synthesis of ammonia; nonionic detergents for dry cleaning wool treatment, emulsion paints, polishes, agricultural sprays; chemical intermediate; pharmaceuticals; corrosion inhibitor; rubber accelerator. Registered by EPA as an antimicrobial and fungicide (cancelled). Colorless clear liquid; mp = 10.5°; bp ◘ 171°; d^{20} = 1.0180; freely soluble in H_2O, EtOH, MeOH, Me_2CO, $CHCl_3$, glycerin, slightly soluble in C_6H_6, Et_2O, C_7H_{16}. LD_{50} (rat orl) = 1720 mg/kg, (rat sc) = 1500 mg/kg, (rat iv) = 230 mg/kg, (rat ip) = 70 mg/kg, (rat im) ◘ 1750 mg/kg, (rbt orl) = 1000 mg/kg, (mus orl) = 700 mg/kg, (mus ip) = 50 mg/kg, gpg orl) = 620 mg/kg. TLV:TWA 3 ppm. *BP Chem.; OxyChem; Sigma-Aldrich Fine Chem.; Texaco; Union Carbide Corp.*

1597 **Ethanolaminedi(methylenephosphonic acid)**
5995-42-6 H



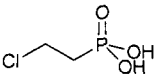
$C_4H_{13}NO_7P_2$
2-Hydroxyethyliminodimethanephosphonic acid.
EINECS 227-833-4; Ethanolaminedi(methylenephos-phonic acid); (((2-Hydroxyethyl)imino)bis(methylene))-bisphosphonic acid; 2-Hydroxyethylbis(phosphono-methyl)amine; 2-Hydroxyethyliminobis(methylene phos-phonic acid); 2-Hydroxyethyliminodimethanephosphonic acid; Phosphonic acid, (((2-hydroxyethyl)imino)di-methylene)di-; Phosphonic acid, (((2-hydroxyethyl)-imino)bis(methylene))bis-; Wayplex 61A.

1598 **Ethenediyl diphenylene bisbenzoxazole**
1533-45-5 G



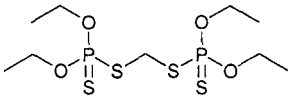
$C_{28}H_{18}N_2O_2$
2,2'-(1,2-Ethenediyldi-4,1-phenylene)bisbenzoxazole.
Benzoxazole, 2,2'-(1,2-ethenediyldi-4,1-phenylene)bis-; Eastobrite® OB-1; EINECS 216-245-3; 2,2'-(1,2-Ethene-diyldi-4,1-phenylene)bisbenzoxazole; 2,2'-(Vinylenedi-4-phenylene)bis(benzoxazole). Optical brightener; fluor-escent whitening agent for use in linear polyester, PET, nylon fibers. Solid; d = 1.39. *Eastman Chem. Co.*

1599 **Ethephon**
16672-87-0 3767 G P



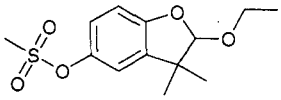
$C_2H_6ClO_3P$
2-Chloroethyl phosphonic acid.
3-04-00-01780 (Beilstein Handbook Reference); Acide chloro-2-ethyl-phosphonique; Amchem 68-250; BRN 1751208; Bromeflor; Bromoflor; Camposan; Caswell No. 426A; CEP; CEPA; 2-Cepa; Cepha; Cepha 10LS; Cerone; Chipco Florel PRO; 2-Chloraethyl-phosphonsaeure; 2-Chloräthyl-phosphonsaeure; 2-Chloroethanephosphonic acid; Chlorethephon; Chloroethylphosphonic acid; (2-Chloroethyl)phosphonic acid; 2-Chloroethylphosphonic acid; EINECS 240-718-3; EPA Pesticide Chemical Code 099801; Ethefon; Ethel; Ethephon; Ethepon; Etheverse; Ethrel; Ethrel C; Flordimex; Florel; Florel Plant Growth; Floridex; G 996; Gagro; HSDB 2618; Kamposan; Phosphonic acid, (2-chloroethyl)-; Prep; Roll-Fruct; Terpal; Tomathrel. Plant growth regulator used for winter barley. Manufactured by Union Carbide. Registered by EPA as a herbicide and plant growth regulator. Hygroscopic needles; mp = 74 - 75°; freely soluble in H_2O (100 g/100 ml), EtOH, Me_2CO, glycols, slightly soluble in C_6H_6, C_7H_8, insoluble in petroleum ether; LD_{50} (mus orl) = 2850 mg/kg, 4229 mg/kg, (rbt der) = 5730 mg/kg, (bobwhite quail orl) =1000 mg/kg; LC_{50} (mallard duck 8 day dietary) > 10000 mg/kg diet, (bluegill sunfish 96 hr.) = 300 mg/l, (rainbow trout 96 hr.) = 350 mg/l; non-toxic to bees. *A H Marks & Co LTD; Aventis Crop Science; Embetec Crop Protection Ltd.; ICI Agrochemicals; ICI Chem. & Polymers Ltd.*

1600 **Ethion**
563-12-2 3772 G P V



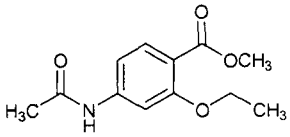
$C_9H_{22}O_4P_2S_4$
O,O,O',O'-Tetraethyl-S,S'-methylene di(phosphorodithio-ate).
Ethanox; Ethiol; FMC 1240; Hylemox; Rhodiacide; Rhodocide; RP-Thion; Vegfru-Fosmite. Has both acaricidal and insecticidal properties; its acaricidal action is widely used in the abatement of cattle ticks; as a non-systemic insecticide it is used on citrus, deciduous fruits, tea, cotton and ornamental plants. Liquid; mp = -13°; $bp_{0.3}$ = 165°; d^{20} = 1.22; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat orl) = 208 mg/kg. *A/S Cheminova.*

1601 **Ethofumesate**
26225-79-6 3778 G P



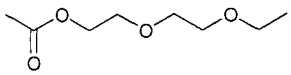
$C_{13}H_{18}O_5S$
3-Ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate.
5-Benzofuranol, 2-ethoxy-2,3-dihydro-3,3-dimethyl-, methanesulfonate, (±)-; BRN 5759730; Caswell No. 427BB; CR 14658; 2-Ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate; (±)-2-Ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranol methanesulfonate; (±)-2-Ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulphonate; EPA Pesticide Chemical Code 110601; Ethofumesate; NC 8438; Nortron; Nortron (new); Progress; Tramat. Herbicide used for weed control in field crops. Registered by EPA as a herbicide. White crystalline solid; mp = 70 - 72°; soluble in H_2O (11.0 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 1130 mg/kg. *Agvalue Inc.; Aventis Crop Science; Schering Agrochemicals Ltd.*

1602 **Ethopabate**
59-06-3 3781 G V



$C_{12}H_{15}NO_4$
Methyl 4-acetamido-2-ethoxybenzoate.
4-Acetamido-2-methoxybenzoic acid methyl ester; Amprol Plus (veterinary); Benzoic acid, 4-(acetylamino)-2-ethoxy-, methyl ester; EINECS 200-414-3; Ethopabate; Ethyl pabate; pancoxin. Coccidiostat, used in poultry, often as Amprol Plus, a combination with amprolium. Crystals; mp = 148-149°; λ_m = 298, 267 nm ($A^{1\%}_{1cm}$ 805, 365); slightly soluble in H_2O, more soluble in organic solvents.

1603 **Ethoxydiglycol acetate**
112-15-2 H



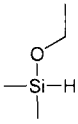
$C_8H_{16}O_4$

2-(2-Ethoxyethoxy)ethanol acetate.

3-02-00-00308 (Beilstein Handbook Reference); Acetic acid 2-(2-ethoxyethoxy)ethyl ester; AI3-01953; BRN 1764643; Carbitol acetate; Diethylene glycol ethyl ether acetate; Diethylene glycol monoethyl ether acetate; Diglycol monoethyl ether acetate; EINECS 203-940-1; Ektasolve de acetate; Ethanol, 2-(2-ethoxyethoxy)-, acetate; Ethoxydiglycol acetate; Glycol ether de acetate; HSDB 5555; Karbitolacetat; NSC 8702. Liquid; mp = -25°; bp = 218.5°; d^{20} = 1.0096; very soluble in H_2O, Me_2CO, EtOH, Et_2O.

1604 Ethoxydimethylsilane

14857-34-2 G



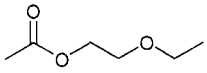
$C_4H_{12}OSi$

Dimethylethoxysilane.

4-04-00-03991 (Beilstein Handbook Reference); BRN 1731481; CD5635; Dimethylethoxysilane; EINECS 238-921-7; Ethoxydimethylsilane; Silane, ethoxydimethyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

1605 Ethoxyethanol acetate

111-15-9 3787 GH



$C_6H_{12}O_3$

2-Ethoxyethanol acetate.

4-02-00-00214 (Beilstein Handbook Reference); Acetate d'ethylglycol; Acetate de cellosolve; Acetate de l'ether monoethylique de l'ethylene-glycol; Acetato di cello-solve; Acetic acid, 2-ethoxyethyl ester; Aethylenglykol-aetheracetat; Äthylenglykolätheracetat; AI3-01955; BRN 1748677; Cellosolve acetate; Celosolvacetat; Diethylene glycol ethyl ether acetate; EGEEA; EINECS 203-839-2; Ektasolve EE acetate solvent; Ethanol, 2-ethoxy-, acetate; Ethoxyethanol, 2-, acetate; Ethoxyethanol acetate; Ethoxy-ethyl acetate; Ethyl cellosolve acetaat; Ethyl cellosolve acetate; Ethylene glycol ethyl ether acetate; Ethylglycol acetate; Ethylglykolacetat; 2-Etossietil-acetato; Glycol ether EE acetate; Glycol monoethyl ether acetate; HSDB 539; NSC 8658; Octan etoksyetylu; Oxitol acetate; Oxytol acetate; Poly-Solv EE acetate; UN 1172. Solvent used in automobile lacquers; retards evaporation and imparts high gloss. Liquid; mp = -61,7°; bp = 156.4°; d^{20} = 0.9740; λ_m = 214 nm (ε = 83, EtOH); very soluble in H_2O, Me_2CO, EtOH, Et_2O; LD_{50} (rat orl) = 2700 mg/kg. *Allchem Ind.; Arco; Eastman Chem. Co.; OxyChem; Union Carbide Corp.*

1606 Ethoxylated nonylphenol phosphate

51811-79-1 H

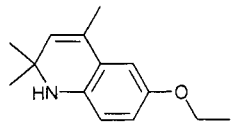
$(C_2H_4O)_x(C_{15}H_{24}O)_y.\ H_3O_4P$

Nonylphenol, ethoxylated, phosphate ester.

Ethoxylated nonylphenol phosphate; Nonylphenol, ethoxylated and phosphated; Nonylphenol, ethoxylated, phosphate ester; Phosphated, ethoxylated nonylphenol; Phosphoric ester of poly(oxyethylene) nonylphenol ether; Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, phosphate.

1607 Ethoxyquin

91-53-2 3789 GP



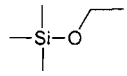
$C_{14}H_{19}NO$

6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline.

AI3-17715; Alterungsschutzmittel EC; Amea 100; Antage AW; Antioxidant EC; Antox; Aries Antox; Caswell No. 427D; CCRIS 2513; Dawe's nutrigard; Dihydro-6-ethoxy-2,2,4-trimethylquinoline; EINECS 202-075-7; EMQ; EPA Pesticide Chemical Code 055501; EQ; Ethoxychin; Ethoxyquin; Ethoxyquine; HSDB 400; Niflex; Niflex D; Nix-Scald; Nocrac AW; Nocrack AW; NSC-6795; Permanax 103; Polyflex; Quinol ED; Quinoline, 6-ethoxy-1,2-dihydro-2,2,4-trimethyl-; Santoflex; Santoflex A; Santoflex AW; Santoquin; Santoquine; Stop-Scald; USAF B; USAF B-24. Used as an antioxidant in feed and food; antidegradation agent for rubber. Registered by EPA as a herbicide and plant growth regulator. Yellow liquid; bp_2 = 123 - 125°; d^{25} = 1.026; LD_{50} (rat orl) = 1920 mg/kg, (mus orl) = 1730 mg/kg, (rat orl) = 1925 mg/kg. *Cerexagri Decco Inc.; Naugatuck; Wrap Pack Inc.*

1608 Ethoxytrimethylsilane

1825-62-3 G



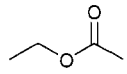
$C_5H_{14}OSi$

Trimethylethoxysilane.

4-04-00-03994 (Beilstein Handbook Reference); BRN 1731950; CT2970; EINECS 217-370-6; Ethyl trimethylsilyl ether; EXP-51; NSC 43345; Silane, ethoxytrimethyl-; Silane, trimethylethoxy-; Trimethylethoxysilane; Trimethylsilyl ethyl ether. Coupling agent, blocking agent, release agent, lubricant, primer, reducing agent. Chemical intermediate, useful for blocking hydroxyl or amino groups in order to perform reactions on multifunctional organic compounds or polymers; also for deactivating glass surfaces used in gas chromatographic applications. Liquid; bp = 76°; d^{20} = 0.7573; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO. *Degussa-Hüls Corp.; Genesee Polymers.*

1609 Ethyl Acetate

141-78-6 3792 GP



$C_4H_8O_2$

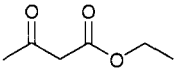
Ethyl acetic ester.

Äthylacetat; Acetate d'ethyle; Acetato de etilo; Acetic acid, ethyl ester; Acetic ester; Acetic ether; Acetidin; Acetoxyethane; Aethylacetat; AI3-00404; Caswell No. 429; CCRIS 6036; EINECS 205-500-4; EPA Pesticide Chemical Code 044003; Essigester; Ethyl acetate; Ethyl acetic ester; Ethyl ester; Ethyl ethanoate; Ethylacetaat; Ethyle (acetate d'); Ethylester kyseliny octove; Etile (acetato di); EtOAc; FEMA No. 2414; HSDB 83; NSC 70930; Octan etylu; RCRA waste number U112; UN1173; Vinegar naphtha. A general solvent in coatings and plastics, organic synthesis,

smokeless powders, artificial leather, photographic films and plates, pharmaceuticals, synthetic fruit essences; cleaning textiles. Registered by EPA as an antimicrobial, herbicide and insecticide (cancelled). FDA, FEMA GRAS, Japan approved with restrictions, FDA approved for ophthalmics, orals, topicals, USP/NF, BP, Ph.Eur. compliance. Used in ophthalmics, topicals and orals as a pineapple-like flavoring agent and solvent. Colorless liquid with a pleasant, fruity odor detectable at 7 to 50 ppm; mp ◘ -83.6; bp = 77.1°; d^{20} = 0.9003; λ_m = 209 nm (ε = 72, MeOH); soluble in H_2O (8 g/100 ml), very soluble in Me_2CO, C_6H_6, freely soluble in EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 5620 mg/kg, TLV = 400 ppm in air. *Allchem Ind.; Berje; BP Chem.; Brown; Chisso Corp.; Daicel (U.S.A.) Inc.; Eastman Chem. Co.; Hoechst Celanese; Hüls Am.; Lonzagroup; Mallinckrodt Inc.; Monsanto Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.; Tokuyama Petrochem.; Union Carbide Corp.*

1610 Ethyl acetoacetate

141-97-9 3793 H



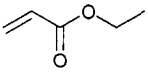
$C_6H_{10}O_3$

Ethyl β-ketobutyrate.

Acetoacetic acid, ethyl ester; Acetoctan ethylnaty; Active acetyl acetate; AI3-00066; Butanoic acid, 3-oxo-, ethyl ester; CCRIS 1343; Diacetic ether; EAA; EINECS 205-516-1; Ethyl β-ketobutyrate; Ethyl 3-oxobutanoate; Ethyl 3-oxobutyrate; Ethyl acetoacetate; Ethylester kyseliny acetoctove; FEMA No. 2415; HSDB 402; NSC 8657. Liquid; mp = -45°; bp = 180.8°; d^{10} = 1.0368; λ_m = 243 nm (cyclohexane); slightly soluble in CCl_4, soluble in $CHCl_3$, C_6H_6, very soluble in H_2O, freely soluble in EtOH, Et_2O.

1611 Ethyl acrylate

140-88-5 3794 H



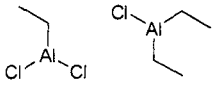
$C_5H_8O_2$

Ethyl 2-propenoate.

4-02-00-01460 (Beilstein Handbook Reference); Acrylate d'ethyle; Acrylic acid, ethyl ester; Acrylsäureäthylester; Äthylacrylat; AI3-15734; Akrylanem etylu; BRN 0773866; Carboset 511; CCRIS 248; EINECS 205-438-8; Ethoxycarbonylethylene; Ethyl 2-propenoate; Ethyl acrylate; Ethyl propenoate; Ethylacrylaat; Ethylakrylat; Ethylester kyseliny akrylove; Etil acrilato; Etilacrilatului; FEMA Number 2418; HSDB 193; NCI-C50384; NSC 8263; RCRA waste number U113; UN1917. Liquid; mp = -71.2°; bp = 99.4°; d^{20} = 0.9234; λ_m = 208 nm (ε = 6918, EtOH); slightly soluble in H_2O, DMSO, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O.

1612 Ethyl aluminum sesquichloride

12075-68-2 H



$C_6H_{15}Al_2Cl_3$

Trichlorotriethyldialuminum.

Aluminum, dichloroethyl-, mixt with chlorodiethyl-aluminum; Aluminum, trichlorotriethyldi-; EINECS 235-137-7; Ethyl aluminum sesquichloride; HSDB 2013; Sesquiethylaluminum chloride; Trichlorotriethyldi-aluminium; Triethylaluminum sesquichloride; Triethyl-dialuminium trichloride; Triethyldialuminum trichloride; Triethyltrichlorodialuminum.

1613 Ethylamine

75-04-7 3797 H

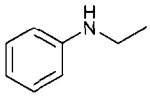
C_2H_7N

Ethane, amino-.

Aethylamine; Äthylamine; AI3-24228; Aminoethane; CCRIS 6261; EINECS 200-834-7; Ethanamine; Ethylamine; Etilamina; Etyloamina; HSDB 803; Mono-ethylamine; UN1036; UN2270. Used as a stabilizer for rubber latex; an intermediate in dyestuffs manufacture, in manufacture of medicinals and in chemical synthesis. Gas; mp = -80.5°; bp ◘ 16.5°; d^{25} = 0.677; very soluble in H_2O and organic solvents; LD_{50} (rat orl) = 400 mg/kg. *ICI; ICI Spec.; Union Carbide Corp.*

1614 Ethylaniline

103-69-5 3800 H



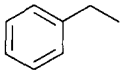
$C_8H_{11}N$

N-Ethylaniline.

4-12-00-00250 (Beilstein Handbook Reference); Aethylanilin; Äthylanilin; AI3-15346; Aniline, N-ethyl-; Anilinoethane; Benzenamine, N-ethyl-; BRN 0507468; CCRIS 4641; EINECS 203-135-5; Ethylaniline; Ethylphenylamine; HSDB 5354; N-Ethyl-N-phenylamine; N-Ethylaminobenzene; N-Ethylaniline; N-Ethylbenzenamine; N-Ethylbenzenamino; N-Ethylbenzeneamino; NSC 8736; UN2272. Liquid; mp = -63.5°; bp = 203°; d^{20} = 0.9625; λ_m = 246, 295 nm (MeOH); insoluble in H_2O, soluble in CCl_4, very soluble in Me_2CO, C_6H_6, freely soluble in EtOH, Et_2O.

1615 Ethylbenzene

100-41-4 3801 H



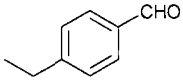
C_8H_{10}

Benzene, ethyl-.

Aethylbenzol; Äthylbenzol; AI3-09057; Benzene, ethyl-; CCRIS 916; EB; EINECS 202-849-4; Ethyl benzene; Ethylbenzeen; Ethylbenzene; Ethylbenzol; Etilbenzene; Etylobenzen; HSDB 84; NCI-C56393; NSC 406903; Phenylethane; UN1175. Liquid; mp = -94.9°; bp = 136.1°; d^{20} = 0.8670; λ_m = 208, 255, 261, 270 nm (ε = 7520, 168, 200, 142, MeOH); insoluble in H_2O, slightly soluble in $CHCl_3$, freely soluble in EtOH, Et_2O.

1616 p-Ethylbenzaldehyde

4748-78-1 G



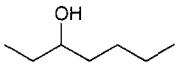
$C_9H_{10}O$

4-Ethylbenzaldehyde.

Benzaldehyde, 4-ethyl-; Benzaldehyde, p-ethyl-; Ebal; EINECS 225-268-8; 4-Ethylbenzaldehyde; Ethylbenzalde-hyde, p-; FEMA No. 3756. Additive for resins; intermediate for pharmaceuticals, fragrances. Liquid; bp ▫ 221°; d^{20} = 0.9790. *Mitsubishi Gas.*

1617 Ethylbutylcarbinol

589-82-2 G



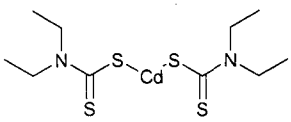
$C_7H_{16}O$

sec-Heptyl alcohol.

4-01-00-01741 (Beilstein Handbook Reference); AI3-21994; BRN 1719067; Butyl ethyl carbinol; EINECS 209-661-1; Ethyl butyl carbinol; FEMA No. 3547; 3-Heptanol; 3-Hydroxyheptane; NSC 2586. Chemical intermediate and solvent. Liquid; mp = -70°; bp_{20} = 66°; d = 0.8180; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat orl) = 1870 mg/kg.

1618 Ethyl cadmate

14239-68-0 G



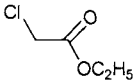
$C_{10}H_{20}CdN_2S_4$

Cadmium, bis(diethylcarbamodithioato-S,S')-, (T-4)-.

AI3-14696; Bis(diethyldithiocarbamato)cadmium; Cad-mate; Cadmium, bis(diethylcarbamodithioato-S,S')-, (β4)-; Cadmium, bis(diethylcarbamodithioato-S,S')-, (T-4)-; Cadmium, bis(diethyldithiocarbamato)-; Cadmium bis(diethyldithiocarbamate); Cadmium diethyldithio-carbamate; Carbamic acid, diethyldithio-, cadmium salt; Cd diethyldithiocarbamate; Diethyldithiocarbamic acid, cadmium salt; EINECS 238-113-4; Hoernesite; HSDB 2941; Natural roesslerite; NSC 154470. Activated cadmium diethyldithiocarbamate; primary accelerator for NR and synthetic rubbers; used with a thiazole; gives heat resistance and low compression set properties. *Vanderbilt R.T. Co. Inc.*

1619 Ethyl chloroacetate

105-39-5 3818 H



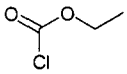
$C_4H_7ClO_2$

Chloroacetic acid, ethyl ester.

4-02-00-00481 (Beilstein Handbook Reference); Acetic acid, chloro-, ethyl ester; AI3-19743; BRN 0506455; CCRIS 7747; Chloroacetic acid, ethyl ester; EINECS 203-294-0; Ethyl chloracetate; Ethyl chloroacetate; Ethyl α-chloroacetate; Ethyl chloroethanoate; Ethyl monochloracetate; Ethylester kyseliny chloroctove; HSDB 408; NSC 8833; UN1181. Liquid; mp = -21°; bp ▫ 144.3°; d^{20} = 1.1585; insoluble in H_2O, soluble in $CHCl_3$, C_6H_6, very soluble in EtOH, Et_2O, Me_2CO.

1620 Ethyl chloroformate

541-41-3 3819 H



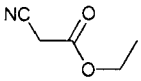
$C_3H_5ClO_2$

Chloroformic acid ethyl ester.

4-03-00-00023 (Beilstein Handbook Reference); AI3-19852; BRN 0385653; Carbonochloridic acid, ethyl ester; Cathyl chloride; Chlorameisensäureäthylester; Chloro-carbonate d'ethyle; Chlorocarbonic acid ethyl ester; Chloroformic acid ethyl ester; Cloroformiato de etilo; ECF; EINECS 208-778-5; Ethoxycarbonyl chloride; Ethyl carbonochloridate; Ethyl chlorocarbonate; Ethyl chloro-formate; Ethyl chloromethanoate; Ethylchloorformiaat; Ethyle, chloroformiat d'; Ethylester kyseliny chlor-mravenci; Etil clorocarbonato; Etil cloroformiato; Formic acid, chloro-, ethyl ester; HSDB 409; TL 423; UN1182. Liquid; mp = -80.6°; bp = 95°; very soluble in C_6H_6, Et_2O. $CHCl_3$.

1621 Ethyl cyanoacetate

105-56-6 3821 H



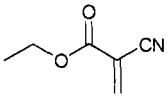
$C_5H_7NO_2$

Cyanoacetic acid ethyl ester.

4-02-00-01889 (Beilstein Handbook Reference); Acetic acid, cyano-, ethyl ester; AI3-19027; BRN 0605871; Cyanacetate ethyle; Cyanoacetic acid ethyl ester; Cyanoacetic ester; EINECS 203-309-0; Estere cianoacetico; Ethyl cyanacetate; Ethyl cyanoacetate; Ethyl cyanoethanoate; Ethylester kyseliny kyanoctove; HSDB 2769; Malonic acid ethyl ester nitrile; NSC 8844; UN2666; USAF KF-25. Liquid; mp = -22.5°; bp = 205°; d^{20} = 1.0654; very soluble in EtOH, Et_2O.

1622 Ethyl cyanoacrylate

7085-85-0 H



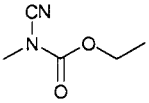
$C_6H_7NO_2$

2-Propenoic acid, 2-cyano-, ethyl ester.

Acrylic acid, 2-cyano-, ethyl ester; CCRIS 1693; EINECS 230-391-5; Ethyl cyanoacrylate; Ethyl 2-cyanoacrylate; 2-Propenoic acid, 2-cyano-, ethyl ester.

1623 Ethyl cyanomethylcarbamate

60754-24-7 H



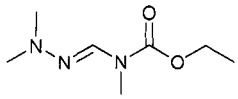
$C_5H_8N_2O_2$

Carbamic acid, cyanomethyl-, ethyl ester.

Carbamic acid, cyanomethyl-, ethyl ester; Ethyl cyanomethylcarbamate.

1624 Ethyl (dimethylamidino)methylcarbamate, hydrochloride

65206-90-8 H



H—Cl

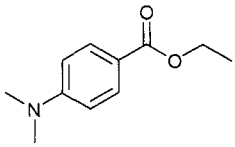
$C_7H_{16}ClN_3O_2$

Carbamic acid, (aminoiminomethyl)methyl-, dimethyl deriv., ethyl ester, monohydrochloride.

Carbamic acid, (aminoiminomethyl)methyl-, dimethyl deriv., ethyl ester, monohydrochloride; EINECS 265-620-8; Ethyl (dimethylamidino)methylcarbamate, hydro-chloride; Ethyl amidinomethylcarbamate monohydro-chloride, dimethyl derivative.

1625 Ethyl 4-dimethylaminobenzoate

10287-53-3 G



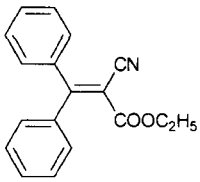
$C_{11}H_{15}NO_2$

Ethyl-p-dimethyl aminobenzoate.

Benzoic acid, 4-(dimethylamino)-, ethyl ester; EINECS 233-634-3; Ethyl 4-dimethylaminobenzoate; Parbenate; Speedcure EDB. UV photoinitiator. Crystals; mp= 63-65°; d = 1.0610; insoluble in H_2O, soluble in organic solvents. *Aceto Corp.; Lambson Ltd.*

1626 Ethyl (diphenylmethylene)cyanoacetate;

5232-99-5 D G



$C_{18}H_{15}NO_2$

2-Propenoic acid, 2-cyano-3,3-diphenyl-, ethyl ester.

4-09-00-03640 (Beilstein Handbook Reference); Acrylic acid, 2-cyano-3,3-diphenyl-, ethyl ester; Acrylonitrile, β, β-biscyclopropyl-α-carbethoxy-; Acrylonitrile, 3,3-di-cyclopropyl-2-(ethoxycarbonyl)-; BRN 1885803; CE 2; α-Carbethoxy-β,β-biscyclopropyl acrylonitrile; α-Cyano-β-phenylcinnamic acid, ethyl ester; EINECS 226-029-0; Ethyl (diphenylmethylene)cyanoacetate; Ethyl α-cyano-β,β-diphenylacrylate; Ethyl 2-cyano-3,3-diphenyl-2-prop-enoate; Ethyl 2-cyano-3,3-diphenyl-acrylate; Etocrilene; Etocrileno; Etocrilenum; Etocrylene; NSC 52678; 2-Propenoic acid, 2-cyano-3,3-diphenyl-, ethyl ester; USAF A-15972; UV Absorber-2; Uvinul N-35; Uvinul® N 35. Noncolor-contributing UV absorber; does not contain aromatic hydroxyl groups; effective under varying pH conditions; for NC lacquers and PVC; used in alkaline systems such as urea-formaldehyde and epoxyamine formulations, and in cosmetics. Crystals; mp = 110.5°. *BASF Corp.*

1627 Ethylene

74-85-1 3825 H

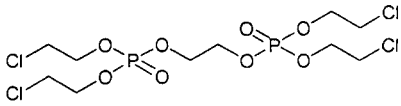
C_2H_4

Ethene.

Acetene; Athylen; Bicarburretted hydrogen; Caswell No. 436; EINECS 200-815-3; Elayl; EPA Pesticide Chemical Code 041901; Ethene; Ethylene; Etileno; HSDB 168; Liquid ethylene; Olefiant gas; UN1038; UN1962. Registered by EPA as a herbicide. Colorless gas; mp ▪ -169°; bp_{700} = -102°; d^0 = 1.260 g/l gas; gas is soluble in H_2O (0.25 v/v), EtOH (2 v/v), Et_2O (0.2 v/v); soluble in Me_2CO, C_6H_6; LC (mus ihl) = 960,000 ppm. *Air Liquide America Corp.; Air Products & Chemicals Inc.; Livingston Group Inc.; Permviro Systems Inc.; Praxair Inc.*

1628 Ethylene bis(bis(2-chloroethyl)phosphate)

33125-86-9 H



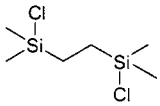
$C_{10}H_{20}Cl_4O_8P_2$

Phosphoric acid, ethylene tetrakis(2-chloroethyl) ester.

EINECS 251-384-3; Ethylene bis(bis(2-chloroethyl)-phosphate); Phosphoric acid, 1,2-ethanediyl tetrakis(2-chloroethyl)ester; Phosphoric acid, ethylene tetrakis(2-chloroethyl) ester.

1629 Ethylenebis(chlorodimethylsilane)

13528-93-3 G



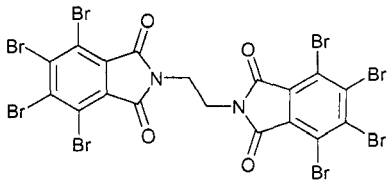
$C_6H_{16}Cl_2Si_2$

1,1,4,4-Tetramethyldichlorodisilethylene.

CT2015; EINECS 236-871-0; Ethylenebis(chlorodimethyl-silane); Silane, 1,2-ethanediylbis(chlorodimethyl-; 1,1,4,4-Tetramethyl-1,4-dichlorodisilethylene. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

1630 Ethylene bis(tetrabromophthalimide)

32588-76-4 G



$C_{18}H_4Br_8N_2O_4$

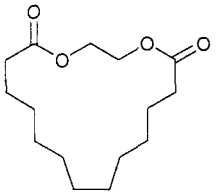
2,2'-(1,2-Ethanediyl)bis(4,5,6,7-tetrabromo-1H-isoindole-1,3(2H)-dione)

1,2-Bis(tetrabromophthalimide)ethane; BT 93; BT-93D; BT 93W; CCRIS 6188; Citex BT 93; EINECS 251-118-6; 2,2'-(1,2-Ethanediyl)bis(4,5,6,7-tetrabromo-1H-isoindole-1,3(2H)-dione); N,N'-Ethylenebis(3,4,5,6-tetrabromo-phthalimide); 1H-Isoindole-1,3(2H)-dione, 2,2'-(1,2-ethanediyl)bis(4,5,6,7-tetrabromo-]; Phthalimide, N,N'-ethylenebis(tetrabromo-; Saytex® BT 93; Saytex® BT 93W. Flame retardant for high-impact PS, polyethylene, PP, thermoplastic polyesters, nylon, EPDM, rubbers, PC, ethylene copolymers, ionomer resins, textile treatment. *Solid; mp* = 446°; SG = 2.67;

insoluble in H_2O (<1 mg/ml). *Ethyl Corp.*

1631 Ethylene brassylate

105-95-3 G



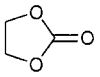
$C_{15}H_{26}O_4$

Ethylene undecane dicarboxylate.

4-19-00-01936 (Beilstein Handbook Reference); AI3-24589; Astratone; BRN 0212344; Cyclo-1,13-ethylenedioxytridecan-1,13-dione; 1,4-Dioxacyclohepta-decane-5,17-dione; EINECS 203-347-8; Emeressence 1150; Ethyl brassylate; Ethylene brassylate; Ethylene glycol brassylate, cyclic diester; Ethylene glycol, cyclic tridecanedioate; Ethylene undecane dicarboxylate; FEMA No. 3543; Musk T; NSC 46155; Tridecanedioic acid, cyclic ethylene ester; 1,1'-Undecanedicarboxylic acid, ester with ethylene glycol. Musk chemical for fragrance of odor masking applications. *Henkel/Emery.*

1632 Ethylene carbonate

96-49-1 G H



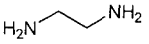
$C_3H_4O_3$

1,3-Dioxolan-2-one.

AI3-18365; Carbonic acid, cyclic ethylene ester; CCRIS 293; Cyclic ethylene carbonate; Dioxolone-2; EINECS 202-510-0; Ethylene carbonate; Ethylene carbonic acid; Ethylene glycol carbonate; Ethylene glycol, cyclic carbonate; Ethylenester kyseliny uhlicite; Glycol carbonate; HSDB 6803; NSC 11801; Texacar® EC. Solvent for organic and inorganic material; EPA Rule 66 exempt; also used as reactant and plasticizer in fibers and textiles, plastics and resins, aromatic hydrocarbon extraction, electrolytes, hydraulic brake fluids. Plates; mp = 36.4°; bp = 248°; d^{39} = 1.3214; freely soluble in H_2O, EtOH, Et_2O, C_6H_6, $CHCl_3$, EtOAc, AcOH. *Texaco.*

1633 Ethylenediamine

107-15-3 3829 G P



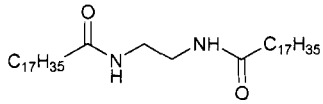
$C_2H_8N_2$

1,2-Diaminoethane.

4-04-00-01166 (Beilstein Handbook Reference); Äthaldiamin; Äthylenediamin; Aethaldiamin; Aethyl-enediamin; AI3-24231; Algicode 106L; Amerstat 274; β-Aminoethylamine; Aminophylline Injection; BRN 0605263; Caswell No. 437; CCRIS 5224; 1,2-Diamino-ethaan; 1,2-Diamino-ethano; 1,2-Diaminoäthan; 1,2-Diaminoaethan; Diaminoethane; 1,2-Diaminoethane; Dimethylenediamine; EDA; EINECS 203-468-6; EN; EPA Pesticide Chemical Code 004205; Ethanediamine; Ethane-1,2-diamine; 1,2-Ethanediamine; 1,2-Ethylene-diamine; Ethyleendiamine; Ethylendiamine; Ethylene-diamine; Ethylenediamine; HSDB 535; NCI-C60402; *UN1604*. Used as a fungicide, in manufacture of chelating agents, dimethylolethylene-urea resins, chemical intermediate, solvent, emulsifier, textile lubricants, antifreeze inhibitor. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Colorless clear liquid; mp = 8.5°; bp = 116 - 117°; d_4^{25} = 0.898; freely soluble in H_2O, EtOH, less soluble in Et_2O, C_6H_6; LD_{50} (rat orl) ◘ 11600 mg/kg. *Allchem Ind.; BASF Corp.; Sigma-Aldrich Co.; Sigma-Aldrich Fine Chem.; Texaco; Union Carbide Corp.*

1634 Ethylenediamine bisstearamide

110-30-5 G H



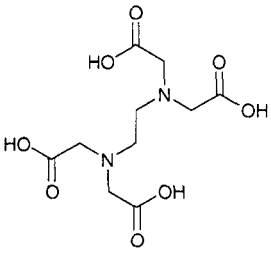
$C_{38}H_{76}N_2O_2$

N,N'-Distearoylethylenediamine.

Abluwax EBS; Abril wax 10ds; Acrawax® C; Acrawax CT; Acrowax C; Advawachs 280; Advawax®; Advawax® 275; Advawax® 280; Advawax® 290; AI3-08515; Armowax EBS-P; 1,2-Bis(octadecanamido)ethane; Carlisle 280; Carlisle Wax 280; CCRIS 2293; Chemetron 100; EINECS 203-755-6; Ethylene distearamide; Ethylenebisstearoamide; Ethylenediamine bisstearamide; Glycowax® 765; HSDB 5398; Kemamide® W-39; Kemamide® W 40; Lubrol EA; Microtomic 280; N,N'-Distearoylethylenediamine; N,N'-Ethylene bisstearamide; N,N'-Ethylene distearylamide; Nopcowax 22-DS; NSC 83613; Octadecanamide, N,N'-1,2-ethanediylbis-; Plastflow; Stearic acid, ethylenediamine diamide; Uniwax 1760; Wax C. Internal and surface lubricant in resins and plastics; processing aid; plasticizer for resin; flow improver; pigment dispersant; used in hot-melt adhesives and coatings; powdered grade used as lubricant, processing aid, detackifier, mold release, and antiblocking agent. Synthetic wax used as plastics processing lubricant and release agent; melting point modifier for waxes and resin blends and industrial asphalt and tar; pigment dispersing agent for resin systems; paper-making defoamer; used in adhesive tapes, coatings, food packaging materials. Additive in pulp and paper defoamer formulations; lubricant, plasticizer, antistat, pigment dispersant for resins and plastics. High melting synthetic wax; binder, thickener for latex formulation, coatings, adhesives; used in powder metallurgy as internal lubricant. Solid; mp ◘ 140-145°; insoluble in H_2O. *Armour Pharm. Co. Ltd.; CK Witco Chem. Corp.; Henkel Surface Tech; Hess & Clark Inc.; Lonzagroup; Morton Intn'l.; Rhône Poulenc Surfactants; Taiwan Surfactants; Unichema.*

1635 Ethylenediamine Tetraacetic acid, Di-sodium Salt

139-33-3 3543 G P



$C_{10}H_{14}N_2Na_2O_8$

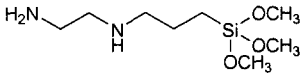
Disodium dihydrogen ethylenediaminetetraacetate.

AI3-18049; CBC 50152966; CCRIS 3658; Cheladrate; Chelaplex III; Chelaton 3; Chelaton III; Chelest 200; Chelest B; Clewat N; Complexon III; Dinatrium ethylendiamintetraacetat; Diso-Tate; Disodium edathamil; Disodium edetate; Disodium edta, anhydrous; Disodium EDTA; Disodium salt of EDTA; Disodium sequestrene; Disodium tetracemate; Disodium versenate; Disodium versene; Dotite 2NA; DR-16133; E.D.T.A. disodique; Edathamil disodium;

Edetate disodium; EDTA disodium; EINECS 205-358-3; Endrate disodium; F 1; F 1 (complexon); Glycine, N,N'-1,2-ethanediylbis(N-(carboxymethyl)-, disodium salt; Kiresuto B; Komplexon III; Mavacid ED 4; Metaquest B; NSC 2760; Perma kleer 50 crystals disodium salt; Perma kleer di crystals; Selekton B 2; Sequestrene sodium 2; Sodium ethylenediaminetetraacetate; Sodium versenate; Tetracemate disodium; Titriplex III; Trilon BD; Triplex III; Veresene disodium salt; Versene Na2; Versonol 120; Zonon D. Food preservative, chelating and sequestering agent; anticoagulant; pharmaceutic aid. Chelating agent for use in mildly acidic dry formulations. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide (cancelled). [dihydrate]: Crystals; mp = 252° (dec); pH ■ 5.3; soluble in H_2O; LD_{50} (rat orl) = 2000 mg/kg. *3M Company; 3M Pharm.; BASF Corp.; Clough; Grace W.R. & Co.; Greeff R.W. & Co.; Hampshire.*

1636 Ethylenediamine, N-(3-(trimethoxysilyl)-propyl)-

1760-24-3 GH



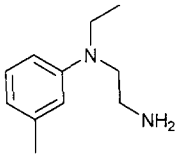
$C_8H_{22}N_2O_3Si$

N-(3-Trimethoxysilylpropyl)-ethylenediamine.

A 0700; AAS-M; Aminoethylaminopropyltrimethoxy silane; AP 132; BRN 0636230; CA0700; Dow corning Z-6020 silane; Dynasylan® DAMO; EINECS 217-164-6; en-APTAS; Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-; GF 91; KBM 603; NUCA 1120; Prosil® 3128; SH 6020; Silane, (3-(2-aminoethyl)aminopropyl)trimethoxy-; Sil-icone A-1120; Z 6020; N-(3-Trimethoxysilylpropyl)-ethylenediamine; Union Carbide® A-1120. Coupling agent for epoxies, phenolics, melamines, nylons, PVC, urethanes, acrylics. Chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Crosslinking agent, adhesion promoter for coatings; features active hydrogen reaction. Liquid; d = 1.0100; bp^{15} = 146°; LD_{50} (rat orl) = 7460 mg/kg. *Degussa-Hüls Corp.; Dow Corning; PCR.*

1637 Ethylenediamine, N-ethyl-N-m-tolyl-

19248-13-6 H



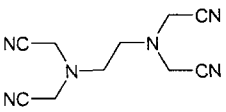
$C_{11}H_{18}N_2$

1,2-Ethanediamine, N-ethyl-N-(3-methylphenyl)-.

N-(2-Aminoethyl)-N-ethyl-m-toluidine; EINECS 242-914-4; 1,2-Ethanediamine, N-ethyl-N-(3-methylphenyl)-; N-Ethyl-N-(β-aminoethyl)-m-toluidine; Ethylenediamine, N-ethyl-N-m-tolyl-; N-Ethyl-N-(m-tolyl)ethylenediamine; NSC 151043.

1638 Ethylenediaminetetraacetonitrile

5766-67-6 H



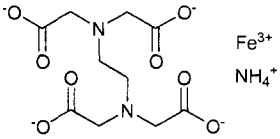
$C_{10}H_{12}N_6$

N,N,N',N'-Tetracyanomethylethylenediamine.

4-04-00-02453 (Beilstein Handbook Reference); Aceto-nitrile, (ethylenedinitrilo)tetra-; Acetonitrile, 2,2',2",2'"-(1,2-ethanediyldinitrilo)tetrakis-; AI3-23663; BRN 1711285; EDTN; EINECS 227-290-3; Ethylenediamine-tetraacetonitrile; N,N,N',N'-Tetracyanomethyläthylene-diamin; N,N,N',N'-Tetracyanomethylethylenediamine; NSC 49104.

1639 Ethylenediaminetetracetic acid, ferric ammonium salt

21265-50-9 H



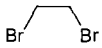
$C_{10}H_{16}FeN_3O_8$

Ferrate(1-), ((ethylenedinitrilo)tetraacetato)-, ammonium.

Ammonium ((N,N'-ethylenebis(N-(carboxymethyl)glycin-ato))(4-)-N,N',O,O',ON,ON')ferrate(1-); EINECS 244-302-2; Ethylenediaminetetracetic acid, ferric ammonium salt; Ferrate(-1), ((N,N'-1,2-ethanediylbis(N-(carboxymethyl)-glycinato))(4-)-N,N',O,O',ON,ON')-, ammonium; Ferrate-(1-), ((ethylenedinitrilo)tetraacetato)-, ammonium.

1640 Ethylene dibromide

106-93-4 3830 HP



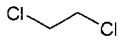
$C_2H_4Br_2$

Ethylene dibromide.

4-01-00-00158 (Beilstein Handbook Reference); Äthylenbromid; Aadibroom; Aethylenbromid; AI3-15349; BRN 0605266; Bromofume; Bromuro di etile; Caswell No. 439; CCRIS 295; Celmide; DBE; Dibromoethane; Dibromoethane, 1,2-; α,β-Dibromo-ethane; α,ω-Dibromoethane; 1,2-Dibromäthan; 1,2-Dibromaethan; 1,2-Dibromoetano; 1,2-Dibromoethane; 1,2-Dibroom-ethaan; Dibromoethylene; Dibromure d'ethylene; Dowfume; Dowfume 40; Dowfume EDB; Dowfume W-8; Dowfume W-85; Dowfume W-90; Dowfume W-90D; Dowfume W-100; Dwubromoetan; E-D-Bee; Edabrom; EDB; EDB-85; EINECS 203-444-5; ENT 15,349; EPA Pesticide Chemical Code 042002; Ethane, 1,2-dibromo-; Ethylene bromide; Ethylene Bromide; Ethylene dibromide; 1,2-Ethylene dibromide; Fumo-gas; Garden; Glycol Bromide; Glycol Dibromide; HSDB 536; Iscobrome D; Kopfume; NCI-C00522; Nefis; Nephis; Pestmaster; Pestmaster edb-85; RCRA waste number U067; Sanhyuum; Soilbrom; Soilbrom-40; Soilbrom-85; Soilbrom-90; Soilbrom 90EC; Soilbrom-100; Soilfume; sym-dibromoethane; UN 1605; Unifume; W 85; Wubromoetan. Registered by EPA as an insecticide (cancelled). Liquid; mp = 9°; bp = 131 - 132°; d_{25}^{25} = 2.172; soluble in EtOH, Et_2O, H_2O (0.4 g/100 ml); LD_{50} (mus ip) = 220 mg/kg. *Sigma-Aldrich Co.*

1641 Ethylene dichloride

107-06-2 3831 GHP



$C_2H_4Cl_2$

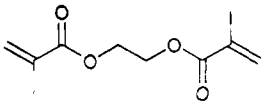
1,2-Dichloroethane.

Aethylenchlorid; Äthylenchlorid; AI3-01656; 1,2-Bichloroethane; Bichlorure d'ethylene; Borer sol; Brocide; Caswell No. 440; CCRIS 225; Chlorure d'ethylene; Cloruro di ethene; DCE; Destruxol borer-sol; Di-chlor-mulsion; Dichlor-Mulsion; Dichloremulsion; α,β-Di-chloroethane; 1,2-Dichloorethaan; 1,2-Dichlor-aethan; 1,2-Dichlor-äthan; 1,2-Dichlorethane; sym-Dichloro-ethane; Dichloro-1,2-ethane; Dichloroethylene; Dichlor-ure d'ethylene; Dutch liquid; Dutch oil;

EDC; EDC (halocarbon); EINECS 203-458-1; ENT 1,656; EPA Pesticide Chemical Code 042003; Ethane, 1,2-dichloro-; Ethane dichloride; Ethyleendichloride; Ethylene chloride; Ethylene dichloride; Freon 150; Glycol dichloride; HCC 150; HSDB 65; NCI-C00511; RCRA waste number U077; UN1184. Used in production of vinyl chloride, trichloroethylene, vinylidene chloride, trichloroethane; lead scavenger in gasoline; paint, varnish remover; metal degreasing; soaps; wetting/penetrating agents; organic synthesis; ore flotation; solvent; fumigant. Registered by EPA as an insecticide and fungicide (cancelled). Liquid; mp = -35.5°; bp = 83.5°; d^{20}= 1.2351; freely soluble in Et_2O, very soluble in EtOH, soluble in Me_2CO, C_6H_6, CCl_4, $CHCl_3$, slightly soluble in H_2O; LD_{50} (rat orl) = 770 mg/kg. *Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; Ashland; BASF Corp.; BP Chem.; Ethicon Inc.; Georgia Gulf; Norsk Hydro AS; OxyChem; PPG Ind.; Sigma-Aldrich Co.*

1642 Ethylene dimethacrylate

97-90-5 H



$C_{10}H_{14}O_4$

2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester.

4-02-00-01532 (Beilstein Handbook Reference); Ageflex EGDM; Ageflex EGDMA; BRN 1776663; CCRIS 179; Diglycol dimethacrylate; EINECS 202-617-2; Ethanediol dimethacrylate; *Ethyldiol metacrylate; Ethyldiol methacrylate; Ethylene* dimethacrylate; Ethylene glycol bis(methacrylate); Ethylene glycol dimethacrylate; Ethylene methacrylate; Ethylenedimethyacrylate; Glycol dimethacrylate; HSDB 5313; Methacrylic acid ethylene ester; MFM-416; NSC 24166; Perkalink® 401; Sartomer SR 206; SR 206. Crosslinker and modifier of ABS, acrylic and PVC, ion exchange resins, encapsulation of smokeless powder, glaze coatings, dental polymers, paper processing aids, rubber modifier, adhesives, optical polymers, leather finishing, moisture barrier films; fiberglass-reinforced polyesters, emulsion polymerization. Co-agent to improve efficiency of peroxideinduced cross-linking of rubber; sensitizer for radiationcured compounds. Liquid; mp = -40°; bp = 260°; d^{20} = 1.053; soluble in H_2O, freely soluble in C_6H_6, EtOH, ligroin; LD_{50} (rat orl) = 3300 mg/kg. *Akzo Chemie; Rit-Chem; Sartomer.*

1643 Ethylene fluoride - hexafluoropropene copolymer

9011-17-0 G

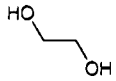
$\{-CH_2CF_2-\}_x[-CF_2CF(CF_3)-]_y$

Poly(vinylidene fluoride-co-hexafluoropropylene).

Akeogard CO; 1,1-Difluoroethyl - hexafluoropropylene copolymer; 1,1-Difluoroethylene-1,1,2,3,3,3-hexafluoro-1-propene copolymer; 1,1-Difluoroethylene - hexafluoropropene copolymer; 1,1-Difluoroethylene - perfluoropropene copolymer; Ethene, 1,1-difluoro-, polymer with 1,1,2,3,3,3-hexafluoro-1-propene; F 26; F 26L; Fluoroplast 26; Fluorovinylidene – hexafluoro-propylene copolymer; Ftorlon F 26; Ftoroplast 26; Ftoroplast 26L; Ftoroplast F 26; Hexafluoropropene - vinylidene fluoride copolymer; Hexafluoropropylene - vinylidene difluoride copolymer; Hexafluoropropylene - vinylidene fluoride polymer; Hylar 2800; Hylar FXH 6; KF 2000; KF 2300; KF polymer 2300; KF polymer T 2300; Kymar 1800; Kymar 2750; Kymar 2751; Kymar 2800; Kymar 2801; Kymar 2801F; Kymar 2812; Kymar 2822; Kymar 2850; Kymar 2850-04; Kymar 2950-05; Kymar Flex 2750; Kymar Flex 2751; Kymar Flex 2801-00; Kymar Flex 2801GL; Kymar Flex 2821; Kymar Flex 2850; 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene. Used for various applications especially in wire and cable jacketing. Tm = 140-145°. *Elf Atochem N. Am.*

1644 Ethylene Glycol

107-21-1 3832 G P



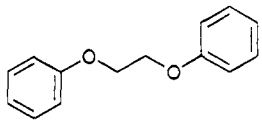
$C_2H_6O_2$

1,2-Dihydroxyethane.

146AR; 2-Hydroxyethanol; Äthylenglykol; Aethylen-glykol; AI3-03050; Caswell No. 441; CCRIS 3744; 1,2-Dihydroxyethane; Dowtherm SR 1; EINECS 203-473-3; EPA Pesticide Chemical Code 042203; 1,2-Ethanediol; Ethylene alcohol; Ethylene dihydrate; Ethylene glycol; Fridex; Glycol; Glycol alcohol; Glycol, ethylene-; HSDB 5012; Lutrol-9; M.E.G.; Macrogol 400 BPC; Monoethylene glycol; NCI-C00920; Norkool; NSC 93876; Ramp; Tescol; Ucar 17; Union Carbide XL 54 Type I De-icing Fluid; Zerex. Used as antifreeze in cooling and heating systems; in hydraulic brake fluids; industrial humectant; solvent in paints, plastics, inks; softening agent for cellophane; stabilizer; in explosives, alkyd resins, elastomers, synthetic fibers and waxes; asphalt. Registered by EPA as an antimicrobial, fungicide and insecticide (cancelled). FDA listed, approved for topicals, BP compliance. Used as a solvent in topicals, eardrops. Viscous liquid, mp = -13°; bp = 197.3°; d^{20} = 1.1088; freely soluble in H_2O, EtOH, Me_2CO, AcOH, soluble in Et_2O, $CHCl_3$, slightly soluble in C_6H_6; LD_{50} (rat orl) = 4700 mg/kg. *Ashland; BASF Corp.; Eastman Chem. Co.; Hoechst Celanese; Mitsui Petroleum; Mitsui Toatsu; Olin Mathieson; Shell; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Texaco; Union Carbide Corp.*

1645 Ethylene glycol diphenyl ether

104-66-5 H



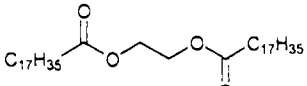
$C_{14}H_{14}O_2$

1,2-Diphenoxyethane.

AI3-00789; Benzene, 1,1'-(1,2-ethanediylbis(oxy))bis-; EINECS 203-224-9; Ethane, 1,2-diphenoxy-; Ethylene glycol diphenyl ether; NSC 6794. Leaflets; mp = 98°; bp_{12} = 182°; λ_m = 220, 270, 277 nm (ε = 18000, 3330, 2770, MeOH); insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, $CHCl_3$.

1646 Ethylene glycol distearate

627-83-8 H



$C_{38}H_{74}O_4$

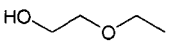
Octadecanoic acid, 1,2-ethanediyl ester.

Alkamuls® EGDS; EINECS 211-014-3; Elfan E 310; Emerest 2355; 1,2-Ethanediyl bis(octadecanoate); Ethylene distearate; Ethylene glycol dioctadecanoate; Ethylene glycol distearate; Ethylene stearate; Glycol distearate; NSC 6820; Octadecanoic acid, 1,2-ethanediyl ester; Rewopal® PG 280; Rita EDGS; Stearic acid ethylene ester. A thickener, opacifier, pearlizing agent used in shampoos and cosmetic lotions. An intermediate, lubricant, emulsifier, emollient; for emulsion shampoos and foam baths. A viscosity builder for cosmetic systems. Leaflets; mp = 79°; bp^{20} =

241°; d^{78} = 0.8581; insoluble in H_2O, EtOH, very soluble in Et_2O, Me_2CO. *Rewo; Rhône Poulenc Surfactants; Rita.*

1647 Ethylene glycol ethyl ether

110-80-5 3786 G H



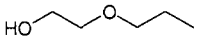
$C_4H_{10}O_2$

2-Methoxyethanol.

AI3-01236; Äthylenglykol-monoäthyläther; Bikanol E 1; CCRIS 2294; Cellosolve; Cellosolve solvent; Celosolv; Dowanol 8; Dowanol EE; EE Solvent; EGEE; EINECS 203-804-1; Ektasolve EE; Emkanol; Eter monoetilico del etilenglicol; Ethanol, 2-ethoxy-; Ether monoethylique de l'ethylene-glycol; β-Ethoxyethanol; Ethoxyethanol, 2-; 2-Ethoxyethanol; 2-Ethoxyethyl alcohol; Ethyl cellosolve; Ethyl ethylene glycol; Ethylene glycol ethyl ether; Ethylene glycol monoethyl ether; Ethylethylene glycol; Ethyl Icinol; Etoksyetylowy alkohol; Glycol monoethyl ether; HSDB 54; Hydroxy ether; Jeffersol EE; NCI-C54853; NSC 8837; Oxitol; Plastiazan 60; Poly-Solv® EE; RCRA waste number U359; RCRA waste number U227; Solvid; Solvulose; UN1171. Solvent for nitrocellulose, lacquer, lacquer thinners, dyeing and printing textiles, varnish removers, cleaning solutions. Used in protective coatings, inks, cleaning products, agricultural chemicals; aids wetting, penetration, and soil removal; as a coupling solvent, in brake fluids, hard-surface cleaners, leather dyeing, paints, coatings, printing inks, textile vat dyeing and printing, adhesives, antifreeze, floor waxes/polishes, insect repellents; solubilizer for dyes; plasticizer. Liquid; mp = -70°; bp = 135°; d^{20} = 0.9297; very soluble in Me_2CO, Et_2O, etOH, H_2O; LD_{50} (rat orl) = 2125 mg/kg, 3000 mg/kg. *Arco; Ashland; Eastman Chem. Co.; Olin Corp; OxyChem; Union Carbide Corp.*

1648 Ethylene glycol monopropyl ether

2807-30-9 G H



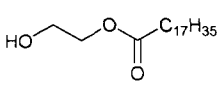
$C_5H_{12}O_2$

Ethanol, 2-propoxy-.

4-01-00-02379 (Beilstein Handbook Reference); AI3-30229; BRN 1731983; EINECS 220-548-6; Ektasolve® EP; Ethanol, 2-propoxy-; Ethylene glycol mono-n-propyl ether; HSDB 6499; n-Propoxyethanol; Propoxyethanol; Propyl cellosolve; n-Propyl Oxitol glycol. Slow evaporating solvent used in coatings; useful in waterborne coating systems; coupling solvent for resin/water systems; controls viscosity of waterborne resins; effective for NC, acrylic, epoxy, polyamide, and alkyd resins; retarder in coating systems. Liquid; mp = -70°; bp = 149°; d^{20} = 0.9112; soluble in H_2O, very soluble in EtOH, Et_2O; LD_{50} (rat orl) = 3089 mg/kg. *Ashland; Eastman Chem. Co.; Sigma-Aldrich Fine Chem.*

1649 Ethylene glycol monostearate

111-60-4 G H



$C_{20}H_{40}O_3$

2-Hydroxyethyl n-octadecanoate.

4-02-00-01222 (Beilstein Handbook Reference); Ablunol EGMS; Alkamuls® SEG; BRN 1794033; Clindrol SEG; EINECS 203-886-9; Emerest 2350; Empilan 2848; Ethylene glycol monostearate; Ethylene glycol stearate; Glycol monostearate; Glycol stearate; 2-Hydroxyethyl octadecanoate; 2-Hydroxyethyl stearate; Ivorit; Lipo EGMS; Monthybase; Monthyle; Octadecanoic acid, 2-hydroxyethyl ester; Parastarin; Prodhybas N; Prodhybase ethyl; S 151; Sedetol; Stearic acid, 2-hydroxyethyl ester; Stearic acid, monoester with ethylene glycol; Tego-stearate; USAF KE-11. Opacifier and pearling agent for shampoos, creams, liquid hand soaps, liquid detergents; emulsion stabilizer, viscosity builder. Solid; mp = 60.5°; bp_3 = 189-191°; d^{60} = 0.8780; soluble in Et_2O, slightly soluble in EtOH. *Rhône Poulenc Surfactants; Taiwan Surfactants.*

1650 Ethylene Oxide

75-21-8 3836 G P

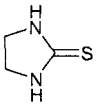
C_2H_4O

1,2-Epoxyethane.

Äthylenoxid; Aethylenoxid; AI3-26263; Amprolene; Anprolene; Anproline; Caswell No. 443; CCRIS 297; Dihydro-Oxyfume; Dihydrooxirene; Dimethylene oxide; E.O.; EINECS 200-849-9; ENT-26263; EPA Pesticide Chemical Code 042301; Epoxyethane; Ethene oxide; Ethox; Ethyleenoxide; Ethylene (oxyde d'); Ethylene oxide; Etilene (ossido di); ETO; Etylenu tlenek; FEMA No. 2433; HSDB 170; Merpol; NCI-C50088; Oxacyclopropane; Oxane; Oxidoethane; Oxiraan; Oxiran; Oxirane; Oxirene, dihydro-; Oxyfume; Oxyfume 12; Qazi-ketcham; RCRA waste number U115; T-Gas; UN 1040. Fungicide. Registered by EPA as an antimicrobial, fungicide, insecticide and rodenticide. Used in manufacture of ethylene glycol and higher glycols, surfactants, acrylonitrile, ethanolamines; petroleum demulsifier; fumigant; rocket propellant; industrial sterilant (medical plastic tubing); fungicide. Colorless gas; mp = -111°; bp = 10.7°; d^4_4 = 0.891, d^7_7 = 0.887, d^{10}_{10} = 0.882; soluble in H_2O, EtOH, Et_2O. *3M Company; Andersen Sterilizers Inc.; ARC Specialty Products; Balchem Corp.; Honeywell; Pennsylvania Engineering Co.; Praxair Inc.*

1651 Ethylene thiourea

96-45-7 3837 G

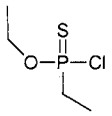


$C_3H_6N_2S$

2-Mercapto-2-imidazoline.

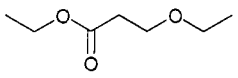
AI3-16292; Akrochem etu-22; Aperochem ETU-22; CCRIS 298; 4,5-Dihydro-2-mercaptoimidazole; 4,5-Dihydroimidazole-2(3H)-thione; EINECS 202-506-9; Ethylenethiourea; Ethylene thiourea; Ethylene thiouree; l'Ethylene thiouree; 1,3-Ethylene-2-thiourea; 1,3-Ethylenethiourea; ETU; HSDB 1643; Imidazole-2(3H)-thione, 4,5-dihydro-; Imidazolidinethione; Imidazoline, 2-mercapto-; Imidazoline-2-thiol; 2-Imidazoline-2-thiol; 2-Imidazolidinethione; Imidazoline-2(3H)-thione; Mercaptoimidazoline; 2-Merkaptoimidazolin; 2-Mercaptoimidazoline; Mercazin I; NA-22; NA-22-D; NCI-C03372; N,N'-Ethylenethiourea; Nocceler 22; Pennac CRA; Perkacit® ETU; RCRA waste number U116; Rhenogran etu; Rhodanin S 62; Robac 22; Rodanin S-62; Sanceller 22; Sodium-22 neoprene accelerator; Soxinol 22; Tetrahydro-2H-imidazole-2-thione; 2-Thiol-dihydro-glyoxaline; Thiourea, N,N'-(1,2-ethanediyl)-; Urea, 1,3-ethylene-2-thio-; USAF EL-62; Vulkacit NPV/C; Vulkacit NPV/C2; Warecure C.An accelerator in synthetic rubber productions and a degradation product of ethylenebisdithiocarbamate fungicides such as mancozeb, maneb, and zineb. Used in electroplating baths; as an intermediate for antioxidants, insecticides, fungicides, synthetic resins, vulcanization accelerators, dyes. Needles; mp = 203°; soluble in H_2O (0.1 g/100 ml), EtOH, insoluble in Et_2O, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 1832 mg/kg. *Akzo Chemie; Faesy & Besthoff Inc.; Ore & Chem.*

1652 **O-Ethyl ethanephosphonochloridothioate**
1497-68-3 H



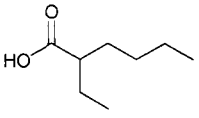
$C_4H_{10}ClOPS$
Phosphonochloridothioic acid, ethyl-, O-ethyl ester.
EINECS 216-095-9; Ethanephosphonochloridothioic acid, O-ethyl ester; O-Ethyl ethanephosphonochloridothioate; Ethylthionophosphonic acid O-ethyl ester chloride; O-Ethyl ethylthiophosphonyl chloride; HSDB 5833; Phosphonochloridothioic acid, ethyl-, O-ethyl ester.

1653 **Ethyl 3-ethoxypropionate**
763-69-9 G H



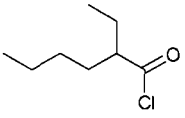
$C_7H_{14}O_3$
Ethyl β-ethoxypropionate.
4-03-00-00697 (Beilstein Handbook Reference); AI3-03254; BRN 1751976; EINECS 212-112-9; Ethoxypropionic acid, ethyl ester; 3-Ethoxypropionic acid ethyl ester; Ethyl β-ethoxypropionate; Ethyl 3-ethoxypropanoate; Ethylester kyseliny 3-ethoxypropion-ove; NSC 8870; Propanoic acid, 3-ethoxy-, ethyl ester. Liquid; mp = -75°; bp = 166°, bp_5 = 48°; d^{20} = 0.9490; soluble in H_2O (1.6 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 5 gm/kg.

1654 **Ethyl hexanoic acid**
149-57-5 G H



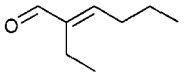
$C_8H_{16}O_2$
2-Ethylhexanoic acid.
3-10-00-01641 (Beilstein Handbook Reference); AI3-01371; BRN 1750468; Butylethylacetic acid; CCRIS 3348; EINECS 205-743-6; α-Ethylcaproic acid; Ethyl hexanoic acid; Ethyl hexanoic acid, 2-; Ethylhexoic acid; Hexanoic acid, 2-ethyl-; HSDB 5649; Kyselina 2-ethylkapronova; Kyselina heptan-3-karboxylova; NSC 8881. Paint and varnish drying agents (metallic salts); esters as plasticizers. mp = -59°; bp = 228°, bp_{13} = 120°;; d^{25} = 0.9031; soluble in H_2O (2 g/l), Et_2O, CCl_4, slightly soluble in EtOH; LD_{50} (rat orl) = 3 g/kg. *Ashland; BASF Corp.; Eastman Chem. Co.; Neste UK; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

1655 **2-Ethylhexanoyl chloride**
760-67-8 H



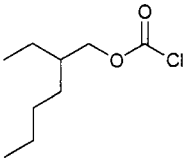
$C_8H_{15}ClO$
2-Ethylhexanoic acid chloride.
EINECS 212-081-1; 2-Ethylcaproyl chloride; 2-Ethylhexanoic acid chloride; 2-Ethylhexanoyl chloride; Hexanoyl chloride, 2-ethyl-; NSC 87892. Liquid; bp_{40} = 101°, bp_{11} = 67°; d^{25} = 0.939.

1656 **2-Ethylhexenal**
26266-68-2 H



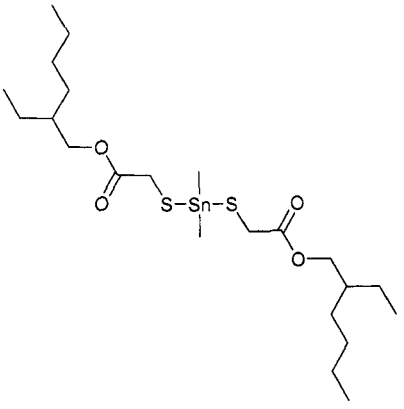
$C_8H_{14}O$
2-Ethyl-3-propylacrolein.
CCRIS 4644; EINECS 247-571-4; 2-Ethyl-3-propylacrolein; 2-Ethylhexenal; Hexenal, 2-ethyl-; PM 2015.

1657 **2-Ethylhexyl chloroformate**
24468-13-1 H



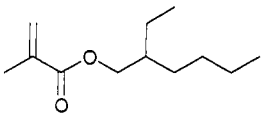
$C_9H_{17}ClO_2$
Carbonochloridic acid, 2-ethylhexyl ester.
Carbonochloridic acid, 2-ethylhexyl ester; EINECS 246-278-9; 2-Ethylhexyl chloroformate; UN2748.

1658 **2-Ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate**
57583-35-4 H



$C_{22}H_{44}O_4S_2Sn$
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester.
EINECS 260-829-0; 2-Ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester.

1659 **2-Ethylhexyl methacryate**
688-84-6 H



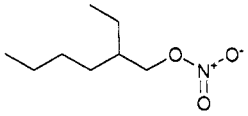
$C_{12}H_{22}O_2$

2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester.

4-02-00-01528 (Beilstein Handbook Reference); AI3-03266; BRN 1769420; EINECS 211-708-6; 2-Ethylhexyl methacrylate; HSDB 5440; Methacrylate, 2-ethylisohexy; Methacrylic acid, 2-ethylhexyl ester; NSC 24173; NSC 32647; 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester. Liquid; bp_{18} = 120°, bp_{14} = 110°; d^{25} = 0.880.

1660 Ethylhexyl nitrate

27247-96-7 G H



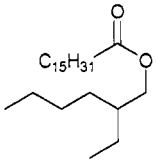
$C_8H_{17}NO_3$

Nitric acid, 2-ethylhexyl ester.

EINECS 248-363-6; Ethylhexyl nitrate; 2-Ethylhexyl nitrate; Exchem GO-1; Nitric acid, 2-ethylhexyl ester; Nitronal.

1661 Ethylhexyl palmitate

29806-73-3 H



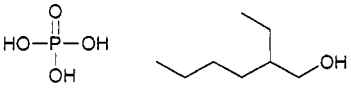
$C_{24}H_{48}O_2$

Hexadecanoic acid, 2-ethylhexyl ester.

AI3-31580; Ceraphyl 368; EINECS 249-862-1; Elfacos EHP; Ethylhexyl palmitate; 2-Ethylhexyl hexadecanoate; 2-Ethylhexyl palmitate; Hexadecanoic acid, 2-ethylhexyl ester; Octyl palmitate; Palmitic acid, 2-ethylhexyl ester; Unimate® EHP; Wickenol® 155. Used in sunscreens, antispersipirants, bath oils, liquid make-up; imparts gloss; binder for pressed powders; solubilizer for benzophenone-3. Emollient, moisturizer, pigment wetter/dispersant; increases water vapor porosity of fatty components used in cosmetic and topical pharmaceutical preparations. Skin emollient for lotions and creams. *CasChem; Inolex; Union Camp; Van Dyk.*

1662 2-Ethylhexyl phosphate

12645-31-7 G H



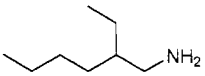
$C_8H_{21}O_5P$

Phosphoric acid, esters with 2-ethylhexanol.

EINECS 235-741-0; 2-Ethylhexanol phosphate; 2-Ethylhexyl phosphate; Phosphated 2-ethyl hexanol; Phosphoric acid, 2-ethylhexyl ester; Phosphoric acid, 2-ethylhexyl esters; Phosphoric acid, esters with 2-ethylhexanol; Rhodafac® PEH. Detergent, dispersant, and wetting agent in textile wet processing. *Rhône Poulenc Surfactants.*

1663 2-Ethyl hexylamine

104-75-6 G H



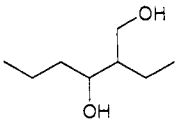
$C_8H_{19}N$

2-Ethyl-n-hexylamine.

4-04-00-00766 (Beilstein Handbook Reference); AI3-26287; 1-Amino-2-ethylhexan; Armeen® L8D; BRN 1209249; CCRIS 4646; EINECS 203-233-8; 1-Hexanamine, 2-ethyl-; β-Ethylhexylamine; 2-Ethyl hexylamine; 2-Ethylhexanamine; 2-Ethylhexylamine; Hexylamine, 2-ethyl-; UN2276. A chemical intermediate for vapor phase corrosion inhibitors. *Akzo Chemie.*

1664 2-Ethyl-1,3-hexanediol

94-96-2 3780 G H P



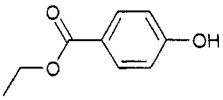
$C_8H_{18}O_2$

2-Ethyl-1,3-hexanediol.

4-01-00-02597 (Beilstein Handbook Reference); 6-12; 6-12-Insect repellent; AI3-00375; BRN 1735324; Carbide 6-12; Caswell No. 445; CCRIS 4034; Compound 6-12 insect repellent; Diol-Kyowa 8; EH diol; EHD; EINECS 202-377-9; ENT 375; EPA Pesticide Chemical Code 041001; Ethohexadiol; Ethyl hexanediol; Ethyl hexylene glycol; HSDB 1716; Latka 612; NSC 3881; Octylene glycol; Repellent 6-12; Rutgers 6-12. Insect repellent, cosmetics, vehicle and solvent in printing inks, medicine, chelating agent for boric acid. Registered by EPA as an insecticide (cancelled). Colorless, viscous liquid; mp = -40°; bp ■ 244°, bp_{50} = 163°, bp_{10} = 129°; bp_3 ■ 102°, $bp_{0.5}$ = 94 - 96°; d^{20}_{20} = 0.9422, d^{22}_{4} = 0.9325; d^{22} = 0.9325; absolute viscosity = 271 cps; soluble in H_2O (0.6 g/100 ml), EtOH, i-PrOH, propylene glycol, castor oil; LD_{50} (mrat orl) = 9260 mg/kg, (frat orl) = 4625 mg/kg. *Degussa-Hüls Corp.; Fluka; Union Carbide Corp.*

1665 Ethyl p-hydroxybenzoate

120-47-8 3869 D G



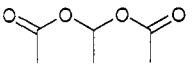
$C_9H_{10}O_3$

4-hydroxybenzoic acid ethyl ester.

4-10-00-00367 (Beilstein Handbook Reference); AI3-30960; Aseptin A; Aseptoform E; Bonomold OE; BRN 1101972; Carbethoxyphenol; Caswell No. 447; Easeptol; EINECS 204-399-4; EPA Pesticide Chemical Code 061202; Ethyl butex; Ethyl paraben; Ethyl Parasept; Ethylparaben; HSDB 938; Mekkings E; Mycocten; Napagin A; Nipagin A; Nipazin A; NSC 23514; Sobrol A; Solbrol A; Tegosept E. Antifungal, antiseptic preservative used with pharmaceuticals. Crystals; mp = 117°; bp = 297.5°; λ_m = 256 nm (ε = 16400, MeOH); insoluble in CS_2, slightly soluble in H_2O, $CHCl_3$, TFA, ligroin, very soluble in alcohol, Et_2O, Et_2O.

1666 Ethylidene acetate

542-10-9 3844 H



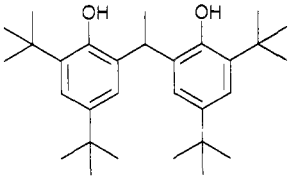
$C_6H_{10}O_4$

1,1-Diacetoxyethane.

AI3-24218; 1,1-Diacetoxyethane; EINECS 208-800-3; 1,1-Ethanediol, diacetate; Ethylidene acetate; Ethylidene di(acetate); NSC 8852. Liquid; mp = 18.9°; bp = 169°; d^{25} = 1.3985; very soluble in EtOH, Et_2O.

1667 2,2'-Ethylidenebis(4,6-bis(1,1-dimethyl-ethyl)-phenol

35958-30-6 G



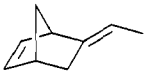
$C_{30}H_{46}O_2$

2,2'-Ethylidene bis(4,6-di-t-butylphenol).

2,2'-Ethylidenebis(4,6-di-t-butylphenol); EINECS 252-816-3; Phenol, 2,2'-ethylidenebis(4,6-bis(1,1-dimethyl-ethyl)-; Vanox® 1290. Antioxidant; oxidative inhibitor for polymers; process stabilizer for polyolefins; stabilizer for PU and PS. Crystals; mp ▫ 162-164°. *Vanderbilt R.T. Co. Inc.*

1668 Ethylidenenorbornene

16219-75-3 H



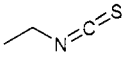
C_9H_{12}

Bicyclo(2.2.1)hept-2-ene, 5-ethylidene-.

Bicyclo(2.2.1)hept-2-ene, 5-ethylidene-; BRN 2039935; CCRIS 4816; EINECS 240-347-7; 5-Ethylidene-2-norbornene; 5-Ethylidene-8,9,10-trinorborn-2-ene; 5-Ethylidenebicyclo(2.2.1)hept-2-ene; ENB; Ethylidene norbornene; Ethylidenenorbornene; HSDB 1160; 2-*Norbornene*, 5-ethylidene-.

1669 Ethyl isothiocyanate

542-85-8 3848 G



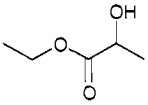
C_3H_5NS

Isothiocyanic acid, ethyl ester.

AI3-18428; CCRIS 7323; EINECS 208-831-2; Ethane, isothiocyanato-; Ethyl isothiocyanate; Ethyl mustard oil; Isothiocyanatoethane; NSC 84212. Used in chemical synthesis and as a military poison gas. Liquid; mp ▫ -5.9°; bp = 131.5°; d^{20} = 0.9990; λ_m = 244 nm (MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O.

1670 Ethyl lactate

97-64-3 3850 G



$C_5H_{10}O_3$

Ethyl L-(-)-lactate.

4-03-00-00643 (Beilstein Handbook Reference); Actylol; Acytol; AI3-00395; BRN 1209448; EINECS 202-598-0; Ethyl α-hydroxypropionate; Ethyl 2-hydroxypropanoate; Ethyl lactate; Ethylester kyseliny mlecne; Eusolvan; FEMA No. 2440; HSDB 412; 2-Hydroxypropanoic acid ethyl ester; Lactate d'ethyle; Lactic acid, ethyl ester; NSC 8850; Propanoic acid, 2-hydroxy-, ethyl ester; Solactol; UN1192. Used in manufacture of dipped latex products, coatings, specialty finishes, inks, diluents, adhesives, intermediates, photoresist solvents, screen printing of electronic parts, flavors and fragrances, solvent resins. mp = -26°; bp = 154°; d_4^{14} = 1.0420; $[\alpha]_D^{14}$ = -10°slightly soluble in H_2O, soluble in organic solvents. *Farleyway Chem. Ltd.; Penta Mfg.; Rit-Chem.*

1671 Ethyl mercaptan

75-08-1 3761 H

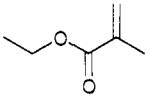
C_2H_6S

Ethanethiol.

Aethanethiol; Aethylmercaptan; AI3-26618; EINECS 200-837-3; Etantiolo; Ethaanthiol; Ethanethiol; Ethyl hydrosulfide; Ethyl mercaptan; Ethyl sulfhydrate; Ethyl thioalcohol; Ethylmercaptaan; Ethylmerkaptan; Etilmerc-aptano; HSDB 814; LPG ethyl mercaptan 1010; Mercaptoethane; 1-Mercaptoethane; NSC 93877; Thioethanol; Thioethyl alcohol; UN2363. Used to impart odor to natural gas, in manufacture of pesticides, plastics and antioxidants. Volatile liquid; mp = -147.8°; bp ▫ 35.1°; d^{25} = 0.8315; slightly soluble in H_2O, more soluble in organic solvents. *Atofina; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

1672 Ethyl methacrylate

97-63-2 G H



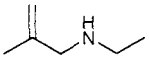
$C_6H_{10}O_2$

2-Propenoic acid, 2-methyl-, ethyl ester.

4-02-00-01523 (Beilstein Handbook Reference); AI3-25421; BRN 0471201; CCRIS 4817; EINECS 202-597-5; Ethyl α-methylacrylate; Ethyl 2-methacrylate; Ethyl 2-methyl-2-propenoate; Ethyl 2-methylacrylate; Ethyl methacrylate; Ethylester kyseliny methakrylove; HSDB 1332; Methacrylic acid, ethyl ester; NSC 24152; RCRA waste number U118; Rhoplex AC-33; Rhoplex AC-33 (Rohm and Haas); UN2277. Used in manufacture of polymers and chemical intermediates. Liquid; mp = -75°; bp = 117°; d^{20} = 0.9135; soluble in $CHCl_3$, H_2O (0.4 g/100 ml), more soluble in EtOH, Et_2O; LD_{50} (rat orl) ▫ 14800 mg/kg. *Rohm & Haas Co.; Rohm & Haas UK.*

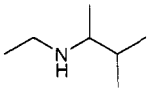
1673 N-Ethyl-2-methylallylamine

18328-90-0 H



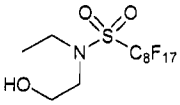
$C_6H_{13}N$
Allylamine, N-ethyl-2-methyl-.
Allylamine, N-ethyl-2-methyl-; EINECS 242-217-5; N-Ethyl-2-methylallylamine; N-Ethyl-2-methyl-2-propen-1-amine; N-Ethylmethacrylamine; N-Ethylmethallylamine; N-Ethylmethylallylamine; 2-Propen-1-amine, N-ethyl-2-methyl-.

1674 N-Ethyl-3-methyl-2-butanamine
2738-06-9 H



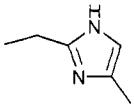
$C_7H_{17}N$
N-Ethyl-1,2-dimethylpropylamine.
2-Butanamine, N-ethyl-3-methyl-; N-Ethyl-1,2-dimethyl-propylamine; N-Ethyl-3-methyl-2-butanamine; Propyl-amine, N-ethyl-1,2-dimethyl-.

1675 N-Ethylheptadecafluoro-N-(2-hydroxy-ethyl)octanesulphonamide
1691-99-2 H



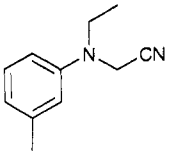
$C_{12}H_{10}F_{17}NO_3S$
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadeca-fluoro-N-(2-hydroxyethyl)-1-octanesulfonamide.
N-Ethylheptadecafluoro-N-(2-hydroxyethyl)octane-sulphonamide; 1-Octanesulfonamide, N-ethyl-1,1,2,2,3, 3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxy-ethyl)-; EINECS 216-887-4.

1676 Ethylmethyl imidazole
931-36-2 G



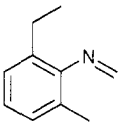
$C_6H_{10}N_2$
2-Ethyl-4-methylimidazole.
EINECS 213-234-5; EMI-24; 2-Ethyl-4-methylimidazole; Imidazole, 2-ethyl-4-methyl-; 1H-Imidazole, 2-ethyl-4-methyl-; 4-Methyl-2-ethylimidazole; NSC 82315. A curing agent for epoxy resins used in low proportions thus improving chemical resistance. Crystals; mp = 36-42°; bp = 292-295°; d ■ 0.9750; soluble in H_2O (18.0 g/100 ml), organic solvents. *Lancaster Synthesis Co.*

1677 (Ethyl(3-methylphenyl)amino)acetonitrile
63133-74-4 H



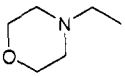
$C_{11}H_{14}N_2$
Acetonitrile, (ethyl(3-methylphenyl)amino)-.
Acetonitrile, (ethyl(3-methylphenyl)amino)-; EINECS 263-891-7; (Ethyl(3-methylphenyl)amino)acetonitrile.

1678 2-Ethyl-6-methylphenylazomethine
35203-06-6 H



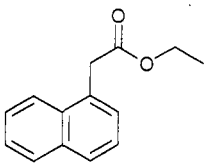
$C_{10}H_{13}N$
2-Ethyl-6-methyl-N-methylenebenzenamine.
Benzenamine, 2-ethyl-6-methyl-N-methylene-; EMA2O; Ethylmethylazomethine; 2-Ethyl-6-methylphenylazo-methine; 2-Ethyl-6-methyl-N-methylenebenzenamine; N-Methylene-6-ethyl-2-methylaniline.

1679 N-Ethyl morpholine
100-74-3 G



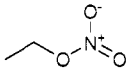
$C_6H_{13}NO$
4-Ethylmorpholine.
4-27-00-00023 (Beilstein Handbook Reference); AI3-24288; BRN 0102969; CCRIS 4818; EINECS 202-885-0; N-Ethylmorfolin; Ethylmorpholine; 4-Ethylmorpholine; N-Ethylmorpholine; HSDB 1644; Morpholine, 4-ethyl-; NEM; NSC 6110; Texacat® NEM; Toyocat® -NEM. Catalyst for PU molded flexible, semirigid, and rigid applications. Amine-based catalyst for flexible slabstock PU foam. Liquid; mp = -63°; bp = 138.5°; d = 0.9050; freely soluble in H_2O, EtOH, Et_2O, soluble in Me_2CO, C_6H_6; LD_{50} (rat orl) = 1780 mg/kg. *Texaco; Tosoh.*

1680 Ethyl naphthaleneacetate
2122-70-5 G P



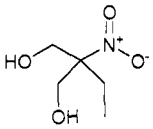
$C_{14}H_{14}O_2$
Ethyl-1-naphthyl acetate.
4-09-00-02425 (Beilstein Handbook Reference); AI3-02254; BRN 1106730; Caswell No. 589AA; EINECS 218-332-1; EPA Pesticide Chemical Code 056008; Ethyl 1-naphthaleneacetate; Ethyl 1-naphthylacetate; 1-Naphthaleneacetic acid, ethyl ester; 2-(1-Naphthyl)acetic acid ethyl ester; NSC 74497; Tre-Hold. Plant growth regulator. Used to inhibit sprouting at pruning points. Oil; bp_{20} = 222°, bp_{13} = 118°, bp_3 = 158-160°; d_{25} = 1.106; insoluble in H_2O, soluble in EtOH, Et_2O; LD_{50} (rat orl) = 3850 mg/kg. *Marks A. H. & Co. Ltd.*

1681 Ethyl nitrate
625-58-1 G



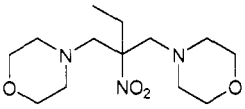
$C_2H_5NO_3$
Nitric acid, ethyl ester.
4-01-00-01327 (Beilstein Handbook Reference); AI3-24234; BRN 1700275; EINECS 210-903-3; Ethyl nitrate; Ethylester kyseliny dusicne; HSDB 415; Nitric ether; NSC 8826. Liquid; mp ■ -94.6°; bp = 87.2°; d^{20} = 1.1084; λ_m = 260 nm (ε = 13, petroleum ether); soluble in H_2O, freely soluble in EtOH, Et_2O.

1682 2-Ethyl-2-nitropropanediol
597-09-1 G



$C_5H_{11}NO_4$
2-Nitro-2-ethyl-1,3-propanediol.
4-01-00-02550 (Beilstein Handbook Reference); AI3-02257; BRN 1705448; 2-Ethyl-2-nitropropane-1,3-diol; 2-Ethyl-2-nitro-1,3-propanediol; EINECS 209-893-3; NEPD; 2-Nitro-2-ethyl-1,3-propanediol; NSC 2024; 1,3-Propanediol, 2-ethyl-2-nitro-. Chemical and pharmaceutical intermediate, used in tire cord adhesives, as formaldehyde release agents, deodorants, antimicrobials. Needles, mp = 57.5°; bp dec; λ_m = 278 nm (MeOH); very soluble in H_2O, EtOH, Et_2O. *Whittaker Clark & Daniels.*

1683 4,4'-(2-Ethyl-2-nitrotrimethylene)-dimorph-oline
1854-23-5 G P

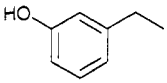


$C_{13}H_{25}N_3O_4$
Ethyl-(2-nitrotrimethylene)dimorpholine.
Bioban P 1487; EINECS 217-450-0; 4,4'-(2-Ethyl-2-nitropropane-1,3-diyl)bismorpholine; 4,4'-(2-Ethyl-2-nitrotrimethylene)dimorpholine; Morpholine, 4,4'-(2-ethyl-2-nitrotrimethylene)di-; Morpholine, 4,4'-(2-ethyl-2-nitro-1,3-propanediyl)bis-. Bioban P 1487 is a preservative composed of 4,4-(2-Ethyl-2-nitro-trimethylene) dimorpholine (30%) and 4-(2-Nitrobutyl)morpholine (70%). Registered by EPA as an antimicrobial and disinfectant. *Dow Chem. U.S.A.*

1684 Ethyl oxirane
106-88-7 H

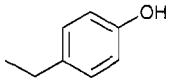
C_4H_8O
1,2-Monoepoxybutane.
5-17-01-00056 (Beilstein Handbook Reference); BRN 0102411; Butane, 1,2-epoxy-; CCRIS 1015; EINECS 203-438-2; DL-1,2-Epoxybutane; Ethylene oxide, ethyl-; Ethyl ethylene oxide; Ethylethylene oxide; Ethyloxirane; (±)-2-Ethyloxirane; (±)-Ethyloxirane; HSDB 2855; n-Butene-1,2-oxide; NCI-C55527; NSC 24240; Oxirane, ethyl-; UN3022. Liquid; bp ■ 63.3°; d^{20} = 0.8297; very soluble in EtOH, Me_2CO, freely soluble in Et_2O.

1685 m-Ethylphenol
620-17-7 H



$C_8H_{10}O$
3-Ethylphenol.
AI3-19938; Benzene, 1-ethyl-3-hydroxy-; EINECS 210-627-3; HSDB 5720; 1-Ethyl-3-hydroxybenzene; 3-Ethylphenol; m-Ethylphenol; meta-Ethylphenol; 1-Hydroxy-3-ethylbenzene; NSC 8873; Phenol, 3-ethyl-; Phenol, m-ethyl-. Liquid; mp = -4°; bp = 218.4°; d^{20} ■ 1.0283; λ_m = 273 nm (ε = 1778, cyclohexane); slightly soluble in H_2O, $CHCl_3$, very soluble in EtOH, Et_2O.

1686 p-Ethylphenol
123-07-9 H

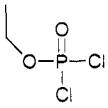


$C_8H_{10}O$
4-Ethylphenol.
4-06-00-03020 (Beilstein Handbook Reference); AI3-26063; BRN 1363317; EINECS 204-598-6; 4-Ethylphenol; FEMA No. 3156; HSDB 5598; Hydroxyphenylethane, p-; NSC 62012; p-Ethylphenol; para-Ethylphenol; Phenol, 4-ethyl-. Needles; mp = 45.0°; bp = 217.9°; λ_m = 223, 278 nm (ε = 7090, 1950, MeOH); slightly soluble in H_2O, $CHCl_3$, slightly soluble in Me_2CO, very soluble in EtOH, Et_2O, C_6H_6, CS_2.

1687 Ethylphosphonothioic dichloride
993-43-1 H

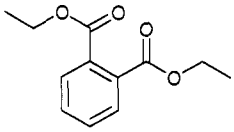
$C_2H_5Cl_2PS$
Phosphonothioic dichloride, ethyl-.
EINECS 213-609-3; Ethyl phosphonothioic dichloride, anhydrous; Ethylphosphonothioic dichloride; NA2927; Phosphonothioic dichloride, ethyl-.

1688 Ethyl phosphorodichloridate
1498-51-7 H



$C_2H_5Cl_2O_2P$
Dichlorophosphoric acid, ethyl ester.
Dichloroethoxyphosphine oxide; Dichlorophosphoric acid, ethyl ester; EINECS 216-099-0; Ethyl dichlorophosphate; Ethyl phosphorodichloridate; HSDB 417; NA2927; NSC 87531; Phosphorodichloridic acid, ethyl ester. Liquid; bp_{10} = 60-65°.

1689 Ethyl phthalate
84-66-2 7456 G H



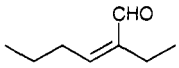
$C_{12}H_{14}O_4$

Diethyl 1,2-benzenedicarboxylate.

4-09-00-03172 (Beilstein Handbook Reference); AI3-00329; Anozol; Benzenedicarboxylic acid, diethyl ester; BRN 1912500; CCRIS 2675; DEP; Diethyl 1,2-benzenedicarboxylate; Diethyl o-phenylenediacetate; Diethyl o-phthalate; Diethyl phthalate; Diethylester kyseliny ftalove; DPX-F5384; EINECS 201-550-6; Estol 1550; Ethyl phthalate; HSDB 926; Kodaflex DEP; NCI-C60048; Neantine; NSC 8905; Palatinol A; Phthalic acid, diethyl ester; Phthaiol; Phthalsäurediäthylester; Phthalsaeurediaethylester; Placidol E; RCRA waste number U088; Solvanol; Unimoll DA. Solvent for nitrocellulose and cellulose acetate; plasticizer, wetting agent, insectidal preparations; in perfumery as solvent and fixative; plasticizer in solid rocket propellants. Plasticizer; wetting agent in grinding pigments; pigment-dispersing medium in cellulose acetate solutions and plastics, and solvent for natural resins and polymers and PVC products due to relatively high volatility. Registered by EPA (cancelled). Colorless oil; mp ■ -40.5°; bp = 295°; d_4^{14}= 1.232; insoluble in H_2O, soluble in EtOH, Et_2O and most other organic solvents; LD_{50} (rat ip) = 7.06 ml/kg (8700 mg/kg). *Allan Chem. Corp.; Allchem Ind.; Berje; BP Chem.; Daihachi Chem. Ind. Co. Ltd; Degussa-Hüls Corp.; Eastman Chem. Co.; Morflex; Penta Mfg.; Sigma-Aldrich Co.; Sigma-Aldrich Fine Chem.; Unitex.*

1690 2-Ethyl-3-propylacrolein

645-62-5 H



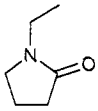
$C_8H_{14}O$

2-Ethyl-2-hexenal.

Acrolein, 2-ethyl-3-propyl-; AI3-08105; CCRIS 4645; EINECS 211-448-3; 2-Ethylhexenal; 2-Ethyl-2-hexenal; 2-Ethylhex-2-enal; 2-Ethyl-2-hexen-1-al; 2-Ethylhex-2-en-1-al; α-Ethyl-β-propylacrolein; 2-Ethyl-3-propylacryl-aldehyde; 2-Ethyl-3-propylacrolein; 2-Hexenal, 2-ethyl-; HSDB 1120; NSC 4787.

1691 N-Ethylpyrrolidinone

2687-91-4 G



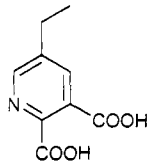
$C_6H_{11}NO$

N-Ethyl-2-pyrrolidone.

5-21-06-00328 (Beilstein Handbook Reference); Agsol Ex 2; BRN 0107971; EINECS 220-250-6; 1-Ethyl-2-pyrrol-idinone; 1-Ethylpyrrolidin-2-one; N-Ethylpyrrolidinone; N-Ethylpyrrolidone; NEP; 2-Pyrrolidinone, 1-ethyl-. Solvent. Liquid; bp_{20}= 97°; d = 0.9920; LD_{50} (rat orl) = 1350 mg/kg. *ISP.*

1692 5-Ethylquinolinic acid

102268-15-5 H



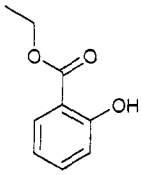
$C_9H_9NO_4$

2,3-Pyridinedicarboxylic acid, 5-ethyl-.

C-80185; CL 271,191; 5-Ethylpyridine-2,3-dicarboxylic acid; 5-Ethylquinolinic acid; 2,3-Pyridinedicarboxylic acid, 5-ethyl-.

1693 Ethyl salicylate

118-61-6 3881 GV



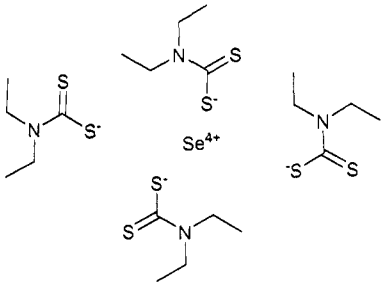
$C_9H_{10}O_3$

2-Hydroxybenzoic acid ethyl ester.

4-10-00-00149 (Beilstein Handbook Reference); AI3-00513; Benzoic acid, 2-hydroxy-, ethyl ester; BRN 0907659; EINECS 204-265-5; o-(Ethoxycarbonyl)phenol; Ethyl 2-hydroxybenzoate; Ethyl o-hydroxybenzoate; Ethyl salicylate; FEMA No. 2458; Mesotol; NSC 8209; Sal ether; Sal ethyl; Salicylic acid, ethyl ester; Salicylic ether; Salicylic ethyl ester; Salotan. Used in perfumery; has been used in veterinary medicine as a counter-irritant. Crystals; mp = 45°; bp = 231-234°, bp_{10} = 150-151°; d^{20} = 1.1326; λ_m = 238, 305 nm (ε = 13800, 6590, MeOH); insoluble in H_2O, soluble in CCl_4, very soluble in Et_2O, freely soluble in EtOH.

1694 Ethyl selenac

5456-28-0 G



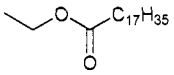
$C_{20}H_{40}N_4S_8Se$

Selenium diethyl dithiocarbamate.

EINECS 226-713-9; Ethyl selenac; Ethyl seleram; Selenium, tetrakis(diethyldithiocarbamato)-; *Selenium* tetrakis(diethyldithiocarbamate); Selazate; Tetrakis-(diethylcarbamodithioato-S,S')selenium; Tetrakis(diethyl-dithiocarbamato)selenium. Rubber accelerator for NR, SBR and IIR; vulcanizing agent; effective in low sulfur and sulfurless heat-resistant compounds. *Naugatuck; Vanderbilt R.T. Co. Inc.*

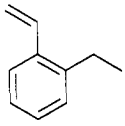
1695 Ethyl stearate

111-61-5 G



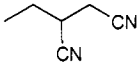
$C_{20}H_{40}O_2$
Ethyl n-octadecanoate.
4-02-00-01218 (Beilstein Handbook Reference); AI3-01781; BRN 1788183; EINECS 203-887-4; Ethyl octadecanoate; Ethyl stearate; FEMA No. 3490; NSC 8919; Octadecanoic acid, ethyl ester; Radia® 7185; Stearic acid, ethyl ester. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application; also as emollient, plasticizer, solubilizer of active components in cosmetics and pharmaceuticals. Solid; mp = 33°; bp_{15} = 213-215°, bp_{10} = 199°; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, very soluble in Me_2CO. *Fina Chemicals.*

1696 Ethylstyrene
28106-30-1 H



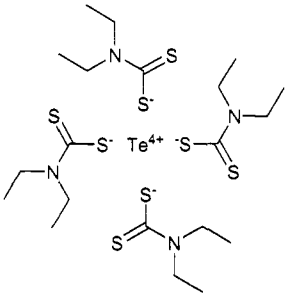
$C_{10}H_{12}$
Styrene, ar-ethyl-.
Benzene, ethenylethyl-; EINECS 248-846-1; Ethylstyrene; Styrene, ar-ethyl-. Mixture of o, m and p-isomers.

1697 Ethylsuccinonitrile
17611-82-4 H



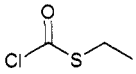
$C_6H_8N_2$
Ethylbutanedinitrile.
Butanedinitrile, ethyl-; EINECS 241-587-5; Ethyl-succinonitrile; Succinonitrile, ethyl-.

1698 Ethyl Tellurac®
20941-65-5 G



$C_{20}H_{40}N_4S_8Te$
Tellurium diethyldithiocarbamate.
Akrochem® TDEC;Carbamodithioic acid, diethyl-, tetrakis(anhydrosulfide) with thiotelluric acid; CCRIS 304; Diethyldithio carbamic acid tellurium salt; EINECS 244-121-9; Ethyl tellurac; HSDB 4123; NCI-C02857; Nocceler TTTE; Perkacit® TDEC Tellurac; Tellurium bis(diethyldithiocarbamate); Tellurium diethyldithiocarb-amate; Tellurium, tetrakis(diethylcarbamodithioato-S,S')-, {DD-8-111'''1'''1'1'1'''1'''}-; Tellurium, tetrakis(diethyldithiocarbamato)-; Tellurium(IV) diethyl dithiocarbamate; Tetrakis(diethylcarbamodithioato-S,S')tellurium; Tetrakis-(diethyldithiocarbamato-S,S')tellurium; tellurac; diethyldithiocarbamic acid tellurium salt; tellurium, tetrakis(diethyldithiocarbamate)-; Tellurium(IV) diethyldithiocarbamate. Fast-curing primary or secondary accelerator for use in natural rubber, styrene/butadiene rubber, NBR, ethylene-propylene-diene rubbers, and butyl; ultra accelerator for NR, SBR, NBR, EPDM; used with thiazole modifiers; produces high modulus vulcanization; particularly active in IIR compounds. Solid; mp = 108-118°; SG = 1.44; insoluble in H_2O (<0.1 mg/ml), soluble in organic solvents. *Akrochem Chem. Co.; Akzo Chemie; Vanderbilt R.T. Co. Inc.*

1699 Ethyl thiochloroformate
2941-64-2 H

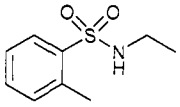


C_3H_5ClOS
Formic acid, chlorothio-, S-ethyl ester.
Carbonochloridothioic acid, S-ethyl ester; CCRIS 4642; EINECS 220-928-1; Ethyl chlorothioformate; Ethyl thiochloroformate; Ethylthiocarbonyl chloride; Ethylthiol chloroformate; Formic acid, chlorothio-, S-ethyl ester; HSDB 5906; S-(Ethyl)chlorothioformic acid; S-Ethyl carbonochloridothioate; S-Ethyl chlorothiocarbonate; UN2826.

1700 Ethyl toluene
25550-14-5 H

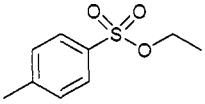
C_9H_{12}
Toluene, ar-ethyl-.
Benzene, ethylmethyl-; EINECS 247-093-6; Ethyl toluene; Ethyltoluene; Toluene, ar-ethyl-.

1701 Ethyltoluene-2-sulfonamide
1077-56-1 G



$C_9H_{13}NO_2S$
N-Ethyl o-toluene sulfonamide.
Benzenesulfonamide, N-ethyl-2-methyl-; EINECS 214-073-3; N-Ethyl-o-toluenesulfonamide; N-Ethyltoluene-2-sulphonamide; HSDB 5782; o-Toluenesulfonamide, N-ethyl-; Uniplex 108. Plasticizer for nylon, shellac, cellulose acetate, protein materials, PVAc adhesives, and nitrocellulose lacquers. *Unitex.*

1702 Ethyl p-toluenesulfonate
80-40-0 3889 G

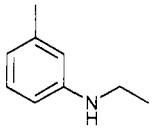


$C_9H_{12}O_3S$
Ethyl p-methyl benzenesulfonate.
4-11-00-00248 (Beilstein Handbook Reference); AI3-08004; Benzenesulfonic acid, 4-methyl-, ethyl ester; BRN 0611213; CCRIS 1028; EINECS 201-276-7; Ethyl p-methylbenzenesulfonate; Ethyl p-

tosylate; Ethyl p-TS; Ethyl PTS; Ethyl toluene-4-sulphonate; Ethyl tosylate; Ethylester kyseliny p-toluensulfonove; HSDB 5235; NSC 8887; p-Toluenesulfonic acid, ethyl ester; p-Toluolsulfonsaeure aethyl ester; p-Toluolsulfonsäure aethyl ester. Used in ethylation reactions. Solid; mp = 34.5°; bp_{15} ■ 173°; d^{48} = 1.166; λ_m ■ 223, 255, 260, 266, 271 nm (MeOH); insoluble in H_2O, soluble in organic solvents. *Acros Organics - USA; Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

1703 N-Ethyl-m-toluidine

102-27-2 H



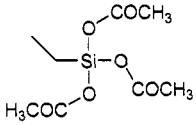
$C_9H_{13}N$

N-Ethyl-3-methyl-benzenamine.

4-12-00-01816 (Beilstein Handbook Reference); BRN 0742170; EINECS 203-019-4; N-Ethyl-3-methylaniline; HSDB 5347; m-Methyl-N-ethylaniline; m-Toluidine, N-ethyl-; NSC 8624; Toluene, 3-(ethylamino)-. Liquid; bp = 221°; d^{15} ■ 0.9263; λ_m = 247, 295 nm (cyclohexane); soluble in EtOH, Et_2O.

1704 Ethyltriacetoxysilane

17689-77-9 G H



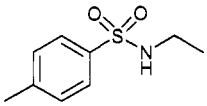
$C_8H_{14}O_6Si$

Silanetriol, ethyl-, triacetate.

CE6345; Dynasylan® ETAC; EINECS 241-677-4; Ethyltriacetoxysilane; Silanetriol, ethyl-, triacetate; Triacetoxyethylsilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

1705 Ethyl tosylamide

80-39-7 G



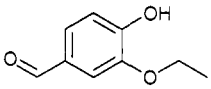
$C_9H_{13}NO_2S$

p-Toluenesulfonyl-N-ethylamide.

Benzenesulfonamide, N-ethyl-4-methyl-; CCRIS 6037; EINECS 201-275-1; Ethyl tosylamide; N-Ethyl-4-methylbenzenesulfonamide; N-Ethyl-p-methylbenzene-sulfonamide; N-Ethyl-4-toluenesulfonamide; N-Ethyl-p-toluenesulfonamide; N-Ethyl-p-tolylsulfonamide; N-Ethyltoluene-4-sulphonamide; NSC 68803; p-Tolueneethylsulfonamide; p-Toluenesulfonamide, N-ethyl-; N-Tosylethylamine; Santicizer 3; Uniplex 108. Mixture of isomers of aromatic amides; plasticizer for shellac, cellulose acetate, and protein materials; used in NC lacquers, cellulose acetate compositions, PVAc emulsion adhesives, synthetic polyamides; food packaging applications. Used as a plasticizer for nylon, shellac, cellulose acetate, protein materials, PVAc adhesives, and nitrocellulose lacquers. Crystals; mp ■ 63-65°; bp_{245} = 208°. *ICI Spec.; Rit-Chem; Unitex.*

1706 Ethyl vanillin

121-32-4 3890 G



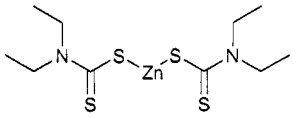
$C_9H_{10}O_3$

3-Ethoxy-4-hydroxybenzaldehyde.

4-08-00-01765 (Beilstein Handbook Reference); 4-Hydroxy-3-ethoxybenzaldehyde; AI3-00786; Benzalde-hyde, 3-ethoxy-4-hydroxy-; Bourbonal; BRN 1073761; CCRIS 1346; EINECS 204-464-7; Ethavan; Ethovan; 2-Ethoxy-4-formylphenol; 3-Ethoxy-4-hydroxybenzalde-hyde; 3-Ethoxyprotocatechualdehyde; Ethyl protal; Ethyl vanillin; Ethylprotal; Ethylprotocatechualdehyde-3-ethyl ether; Ethylprotocatechuic aldehyde; Ethylvanillin; FEMA No. 2464; HSDB 945; NSC 1803; Protocatechuic aldehyde ethyl ether; Quantrovanil; Rhodiarome; Vanbeenol; Vanilal; Vanillal; Vanillin, ethyl-; Vanirom; Vanirome. Vanilla flavor for baking, cereal, diary, cheese, processed foods, beverages, confections. Used by flavor manufacturers to replace part of the vanillin to give bouquet to the finished flavor or fragrance. mp = 77.5°; bp = 285°; λ_m = 231, 277, 308 nm (ε ■ 15600, 10200, 9310, MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$; LD_{50} (rat orl) ■ 1590 mg/kg. *Boehringer Mannheim GmbH; Bush Boake Allen (IFF bought 2000); Lancaster Synthesis Co.; Maggioni Farmaceutici S.p.A.; Penta Mfg.; Rhône-Poulenc Food Ingredients; Rhone-Poulenc UK.*

1707 Ethyl Ziram

14324-55-1 G



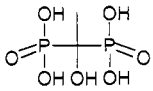
$C_{10}H_{20}N_2S_4Zn$

Zinc N,N-diethyldithiocarbamate.

AI3-14877; Ancazate ET; Bis(diethyldithiocarbamato)-zinc; Carbamodithioic acid, diethyl-, zinc salt; CCRIS 4908; Diethyldithiocarbamic acid zinc salt; EINECS 238-270-9; Ethazate; Ethyl cymate; Ethyl zimate; Ethyl Ziram; Ethylzimate; Hermat ZDK; HSDB 2907; Nocceler EZ; NSC 177699; Octocure ZDE-50; Perkacit® ZDEC; Soxinol EZ; Vulcacure ZE; Vulkacit LDA; Vulkacit ZDK; Zimate, ethyl; Zinc bis(diethyldithiocarbamate); Zinc, bis(diethyldithiocarbamato); Zinc, bis(diethylcarbamo-dithioato-S,S')-; Zinc diethyldithiocarbamate; Zinc N,N-diethyldithiocarbamate; Zinc, tetrakis(diethylcarbamo-dithioato)di-. Latex and rubber accelerator. An accelerator and activator for natural rubber, styrene-butadiene, nitrile-butadiene and butyl rubber. *Akzo Chemie; Tiarco.*

1708 Etidronic acid

2809-21-4 3894 D G H



$C_2H_8O_7P_2$

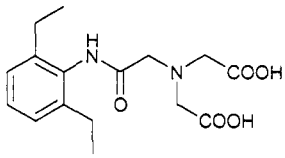
(1-Hydroxyethylidene)diphosphonic acid.

0-02-00-00171 (Beilstein Handbook Reference); 1000SL; Acetodiphosphonic acid; Acide etidronique; Acido etidronico; Acidum etidronicum; Briquest® ADPA-60A' BRN 1789291; Dequest 2010; Dequest 2015; Dequest Z 010; Diphosphonate (base); EHDP; EINECS 220-552-8; Etidronic acid; Etidronsaeure; Ferrofos 510;

HEDP; HSDB 5898; NSC 227995; RP 61; Turpinal SL; Unihib® 106. Dispersant, scale inhibitor for cooling tower, boiler treatment, oilfield applications. Used medically as a calcium regulator. Used for water treatment and oil-drilling muds, in powder detergents and photographic applications, sequestering agent for calcium carbonate. Crystals; very soluble in H_2O (69 g/100 ml), insoluble in AcOH. *Albright & Wilson Americas Inc.; Lonzagroup; Procter & Gamble Pharm. Inc.*

1709 Etifenin

63245-28-3 G



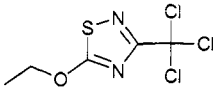
$C_{16}H_{22}N_2O_5$

Glycine, N-(carboxymethyl)-N-(2-((2,6-diethylphenyl)-amino)-2-oxoethyl)-.

((((2,6-Diethylphenyl)carbamoyl)methyl)imino)diacetic acid; EHIDA Kit; EINECS 264-041-8; Etifenia; Etifenin; Etifenine; Etifenino; Etifeninum; Glycine, N-(carboxymethyl)-N-(2-((2,6-diethylphenyl)amino)-2-oxo-ethyl)-. Diagnostic aid. Solid; mp = 186-189°; soluble in H_2O. *Amersham Corp.*

1710 Etridiazole

2593-15-9 G P



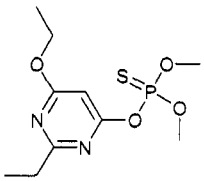
$C_5H_5Cl_3N_2OS$

5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole.

Aaterra; Ai3-29280; Banrot; BRN 1074817; Caswell No. 428; Dwell; Echlomezol; Echlomezole; EINECS 219-991-8; EPA Pesticide Chemical Code 084701; Etcmtb; Ethazol; Ethazole (fungicide); ETMT; Etridiazol; Etridiazole; HSDB 1709; Koban; MF-344; NSC 524929; Olin mathieson 2,424; OM 2424; OM 2425; Pansoil; Planvate; Terrachlor-super X; Terracoat; Terracoat L21; Terraflo; Terrazole; Truban. Protective fungicide which is incorporated into soil or compost. Registered by EPA as a fungicide. Pale yellow liquid; mp = 19.9°; bp^1 = 95°; sg^{25} = 1.503; soluble in H_2O (0.005 g/100 ml at 25°), soluble in common organic solvents; LD_{50} (mrat orl) = 1100 mg/kg, (mus orl) = 2000 mg/kg, (rbt der) = 1366 mg/kg, (mallard duck orl) = 1640 mg/kg; LC_{50} (rainbow trout 96 hr.) > 4 mg/l, (bluegill sunfish 96 hr.) > 7.5 mg/l; non-toxic to bees. *Crompton Corp.; ICI Agrochemicals; Scotts-Sierra Crop Protection; Uniroyal.*

1711 Etrimfos

38260-54-7 3936 G P



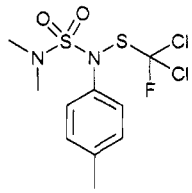
$C_{10}H_{17}N_2O_4PS$

O-(6-ethoxy-2-ethyl-4-pyrimidinyl) O,O-dimethyl phos-phorothioate.

Satisfar; Ekamet; Ekamet G; Ekamet ULV; Etrimphos. Organophosphorus insecticide with stomach and contact action. Used to control pests in stored grain. Liquid; mp = -3°; d = 1.195; n_D^{20} = 1.5068; soluble in H_2O (40 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 1800 mg/kg. *Nickerson Seeds Ltd.*

1712 Euparen® M

731-27-1 G P



$C_{10}H_{13}Cl_2FN_2O_2S_2$

1,1-Dichloro-N-((dimethylamino)sulfonyl)-1-fluoro-N-(4-methylphenyl)methanesulfonamide.

Ai3-27470; Bayer 49854; Bayer 5212; Bayer 5712a; BRN 2949607; Dichlofluanid-methyl; Dichloro-N-((dimethyl-amino)sulphonyl)fluoro-N-(p-tolyl)methanesulphenamide; 1,1-Dichloro-N-((dimethylamino)sulfonyl)-1-fluoro-N-(4-methylphenyl)methanesulfenamide; N-Dichlorofluoro-methanesulphenyl-N',N'-dimethyl-N-p-tolylsulphamide; N-Dichlorofluoromethylthio-N',N'-dimethyl-N-p-tolyl-sulphamide; N'-Dichlorofluoromethylthio-N,N-dimethyl-N'-(4-tolyl)sulfamide; N,N-Dimethyl-N-(4-tolyl)-N-(di-chlorofluor-methylthio)-sulfamide; N,N-Dimethyl-N'-(4-tolyl)-N'-(dichlorfluormethylthio)-sulfamid; EINECS 211-986-9; Euparen M; KUE 13183b; Methanesulfenamide, 1,1-dichloro-N-((dimethylamino)sulfonyl)-1-fluoro-N-(4-methylphenyl)-; Sulfamide, N-((dichlorofluoromethyl)-thio)-N',N'-dimethyl-N-(p-tolyl)-; Tolyfluanid; Tolyfluan-ide; Tolylfluanid; Tolyifluanide. Broad spectrum fungicide; effective against *Botrytis*. Pale yellow powder; mp = 95-97°; soluble in H_2O (0.4 g/100 ml), MeOH (4.6 g/100 ml), C_6H_6 (57 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (mus orl) > 1000 mg/kg, (rat sc) > 5000 mg/kg, (fcanary orl) = 1000 mg/kg, LC_{50} (goldfish 96 hr.) = 1.0 mg/l, (carp, roach 96 hr) = 0.25 - 0.5 mg/l, (golden orfe 96 hr) = 0.07 - 0.25 mg/l; non-toxic to bees. *Bayer AG.*

1713 Extracts, petroleum, gas oil solvent

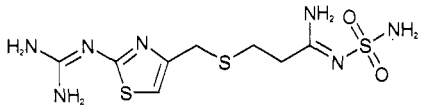
65652-41-7 H

Extracts, (petroleum), gas oil solvent.

EINECS 265-211-4; Extracts, (petroleum), gas oil solvent; Extracts, petroleum, gas oil solvent.

1714 Famotidine

76824-35-6 3961 D



$C_8H_{15}N_7O_2S_3$

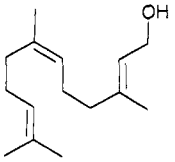
[1-Amino-3-[[[2-[(diaminomethylene)amino]-4-thiazolyl]-methyl]thio]propylidene]sulfamide.

Amfamox; Antodine; Apo-Famotidine; Apogastine; Bestidine; Blocacid; Brolin; Cepal; Confobos; Cronol; Cuantin; Dibrit 40; Digervin; Dinul; Dipsin; Dispromil; Dispronil; Duovel; Durater; Evatin; Fadin; Fadine; Fadyn; Fagastine; Famo; Famocid; Famodar; Famodil; Famodin; Famodine; Famogard; Famonit; Famopsin; Famos; Famosan; Famotal; Famotep; Famotidina; Famotidine; Famotidinum; Famotin; Famovane; Famowal; Famox; Famoxal; Famoxal; Famtac; Famulcer; Fanobel; Fanosin; Fanox; Farmotex; Ferotine; Fibonel; Fudone; Ganor; Gaster; Gastridan; Gastridin;

Gastrion; Gastro; Gastrodomina; Gastrofam; Gastropen; Gastrosidin; H2 Bloc; Hacip; HSDB 3572; Huberdina; Ifada; Ingastri; Invigan; L 643341; Lecedil; Logos; Mensoma; Midefam; MK-208; Mosul; Motiax; Muclox; Muclox; Mylanta AR; Neocidine; Nevofam; Notidin; Novo-Famotidine; Nu-Famotidine; Nulceran; Nulcerin; Panalba; Pepcid; Pepcid AC; Pepcid®; Pepcidac; Pepcidin; Pepcidin Rapitab; Pepcidina; Pepcidine; Pepdif; Pepdine; Pepdul; Pepfamin; Peptan; Peptidin; Peptifam; Pepzan; Purifam; Quamatel; Quamtel; Renapepsa; Restadin; Rogasti; Rubacina; Sedanium-R; Sigafam; Supertidine; Tairal; Tamin; Tipodex; Topcid; Ulcatif; Ulceprax; Ulcetrax; Ulcofam; Ulfagel; Ulfam; Ulfamid; Ulfinol; Ulgarine; Vagostal; Weimok; Whitidin; Yamarin; YM 11170. Antiulcerative. Histamine H_2 receptor antagonist. Used for short term treatment of active duodenal ulcers. Crystals; mp ■ 163-164°; soluble in DMF (80 g/100 ml), AcOH (50 g/100 ml), MeOH (0.3 g/100 ml), H_2O (0.1 g/100 ml); insoluble in EtOH, EtOAc, $CHCl_3$; LD_{50} (mus iv) = 244.4 mg/kg. *Johnson & Johnson-Merck Consumer Pharm.; Merck & Co.Inc.*

1715 Farnesol

4602-84-0 3968 G P



$C_{15}H_{26}O$

3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol.

AI3-44561; Dihydrofarnesol; 2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-; EINECS 225-004-1; EPA Pesticide Chemical Code 128911; Farnesol; Farnesyl alcohol; FCI 119a; FEMA No. 2478; HSDB 445; NSC 60597; Stirrup; Stirrup-A/WF; Stirrup-CRW; Stirrup-H; Stirrup-HB; Stirrup-TPW; Trimethyl dodecatrienol; 3,7,11-Trimethyl-2,6,10-dodecatrienol; 3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol; 2,6,10-Trimethyl-2,6,10-dodecatrien-12-ol. A sesquiterp-ene alcohol prepared from nerolidol; a perfume. Reg-istered by EPA as an insecticide. Oil; bp_4 = 149°, $bp_{0.35}$ = 111°; d = 0.8880; λ_m = 192 - 196 nm (ε 28500); insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 6 g/kg. *Troy Biosciences Inc.*

1716 Fatty acid, C_{18}-unsaturated, dimers

61788-89-4 H

Fatty acid, C_{18}-unsaturated, dimers.

Fatty acid, C_{18}-unsaturated, dimers; Fatty acids, C_{18}-unsatd., dimers.

1717 Fatty acids, dehydrated castor-oil

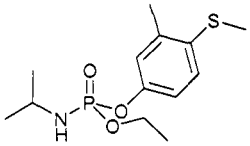
61789-45-5 H

Dehydrated castor-oil fatty acids.

EINECS 263-061-4; Fatty acids, dehydrated castor-oil. 263-061-4

1718 Fenamiphos

22224-92-6 3984 P



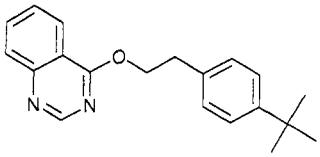
$C_{13}H_{22}NO_3PS$

Ethyl 4-(methylthio)-m-tolyl isopropylphosphoramidate.

AI3-27572; BAY 68138; BAY sra 3886; BRN 4752893; Caswell No. 453A; CCRIS 4694; EINECS 244-848-1; ENT 27572; EPA Pesticide Chemical Code 100601; Fenamiphos; HSDB 6452; Methaphenamiphos; Nemacur; Nemacur P; NSC 195106; Phenamiphos; SRA 3886. Cholinesterase inhibitor. Systemic nematicide with contact action.Absorbed by the roots and translocated to the leaves. Used for control of ecto- and endoparasitic, free-living, cyst-forming and root-knotnematodes. Registered by EPA as an insecticide and fungicide. Used as a nematicide. mp ■ 49.2°; sg^{20} = 1.15; soluble in H_2O (0.07 g/100 ml), readily soluble in CH_2Cl_2, i-PrOH, C_7H_8, sparingly soluble in C_6H_{14}; LD_{50} (mrat orl) = 15.3 mg/kg, (frat orl) = 19.4 mg/kg, (mus orl) ■ 22.7 mg/kg, (dog,cat orl) = 10 mg/kg, (mrbt der) = 225 mg/kg, (frbt der) = 178 mg/kg, (rat der) = 80 mg/kg, (bobwhite quail orl) ■ 1.6 mg/kg, (hen orl) = 12 mg/kg; LC_{50} (rat ihl 4 hr.) = 80 mg/l air Aerosol®®, (mallard duck 8 day dietary) ■ 316 mg/kg diet, (bobwhite quail 5 day dietary) = 38 mg/kg diet, (bluegill sunfish 96 hr.) ■ 0.0096 mg/l, (rainbow trout 96 hr.) = 0.121 mg/l, (goldfish 96 hr.) = 3.2 mg/l. *Bayer Corp.; Mobay.*

1719 Fenazaquin

120928-09-8 P



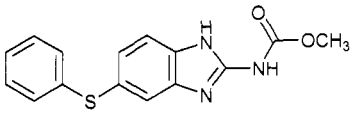
$C_{20}H_{22}N_2O$

4-[[4-(1,1-Dimethylethyl)phenyl]ethoxy]quinazoline.

EL-193136; EL-436; Fenazaquin; Quinazoline, 4-((4-(1,1-dimethylethyl)phenyl)ethoxy)-. Acaricide. Registered by EPA as an fungicide and insecticide. Colorless crystals; mp = 70 - 71°; slightly soluble in H_2O (0.000022 g/100 ml), soluble in MeOH (5 g/100 ml), i-PrOH (5 g/100 ml), Me_2CO (40 g/100 ml), CH_3CN (3.3 g/10 ml), C_6H_{14} (3.3 g/100 ml), $CHCl_3$ (> 50 g/100 ml), C_7H_8 (5 g/100 ml); LD_{50} (mrat orl) = 50 - 500 mg/kg, (mus orl) > 500 mg/kg, (bobwhite quail gvg) > 2000 mg/kg. *Dow AgroSciences; DowElanco Ltd.*

1720 Fenbendazole

43210-67-9 3987 G



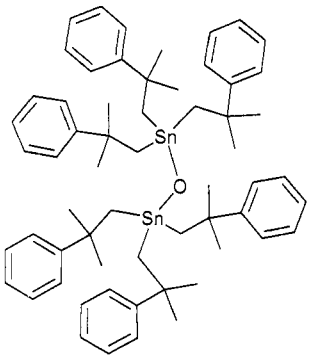
$C_{15}H_{13}N_3O_2S$

[5-(phenylthio)-1H-benzimidazol-2-yl]carbamic acid methyl ester.

2-Benzimidazolecarbamic acid, 5-(phenylthio)-, methyl ester; Carbamic acid, (5-(phenylthio)-1H-benzimidazol-2-yl)-, methyl ester; CCRIS 7309; EINECS 256-145-7; Fenbendazol; Fenbendazole; Fenbendazolum; Hoe 881v; 2-(Methoxycarbonylamino)-5-(phenylthio)benzimidazole; Methyl 5-(phenylthio)-2-benzimidazolecarbamate; Meth-yl (5-(phenylthio)-1H-benzimidazol-2-yl)carbamate; Pa-nacur; Phenbendasol. Anthelmintic (nematodes). Crystals; mp ■ 233° (dec); insoluble in H_2O, organic solvents, freely soluble in DMSO. *Hoechst AG.*

1721 Fenbutatin Oxide

13356-08-6 3991 G P



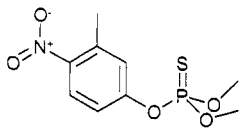
$C_{60}H_{78}OSn_2$

Hexakis(2-methyl-2-phenylpropyl)distannoxane.

AI3-27738; Bendex; Bis(trineophyltin) oxide; Bis(tris(β,β-dimethylphenethyl)tin)oxide; Bis(tris(2-methyl-2-phenylpropyl)tin)oxide; BRN 4097400; Caswell No. 481DD; Di(tri-(2,2-dimethyl-2-phenylethyl)tin)oxide; Distannox-ane, hexakis(β,β-dimethylphenethyl)-; Distannoxane, hexakis(2-methyl-2-phenylpropyl)-; EINECS 236-407-7; ENT 27738; EPA Pesticide Chemical Code 104601; Fenbutatin oxide; Fenbutatin-oxyde; Fenylbutatin oxide; Fenylbutylstannium oxide; Hexakis; Hexakis (2-methyl-2-phenylpropyl)-distannoxane; Hexakis(β,β-dimethylphenethyl)-distannoxane; Hexakis(2-methyl-2-phenylpropyl)-distannoxane; HSDB 6632; 2-(Methyl-2-phenylpropyl)-distannoxane; Neostanox; Osdaran; SD 14114; Shell SD-14114; Torque; Vendex; AI3-27738; Bendex; Bis(trineo-phyltin) oxide; Bis(tris(2-methyl-2-phenylpropyl)tin)oxide; Bis(tris(β,β-dimethylphenethyl)tin)oxide; BRN 4097400; Caswell No. 481DD; Di(tri-(2,2-dimethyl-2-phenylethyl)-tin)oxide; Distannoxane, hexakis(2-methyl-2-phenyl-propyl)-; ENT 27738; EPA Pesticide Chemical Code 104601; Fenbutatin oxide; Fenbutatin-oxyde; Fenyl-butatin oxide; Fenylbutylstannium oxide; Hexakis(2-methyl-2-phenylpropyl)distannoxane; Hexakis(β,β-di-methylphenethyl)-distannoxane; HSDB 6632; 2-(Methyl-2-phenylpropyl)distannoxane; Neostanox [ISO:PROP]; Osdaran; SD 14114; Shell SD-14114; Torque; Vendex. A non-systemic acaricide with contact and stomach action. Used for control of phytophagous mites in fruit crops. Registered by EPA as an acaricide and insecticide. White powder; mp = 138-139°; poorly soluble in H_2O (0.0000005 g/100 ml), more soluble in Me_2CO (0.6 g/100 ml), C_6H_6 (14 g/100 ml), CH_2Cl_2 (38 g/100 ml), slightly soluble in hydrocarbon solvents; LD_{50} (rat orl) = 2631 mg/kg, (mus orl) ■ 1450 mg/kg, (dog orl) > 1500 mg/kg, (rbt der) > 2000 mg/kg, (rat der) > 1000 mg/kg, (bee orl) > 0.1 mg/bee; LC_{50}; (bobwhite quail 8 day dietary) = 5056 mg/lg diet, (rainbow trout 48 hr.) = 0.27 mg/l; not toxic to bees. *Am. Cyanamid; DuPont; Griffin LLC; ICI Agrochemicals; Scotts Co.*

1722 Fenitrothion

122-14-5 4003 G P



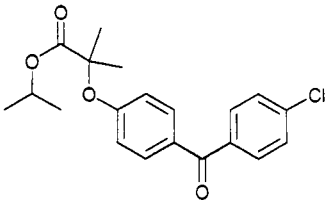
$C_9H_{12}NO_5PS$

Dimethyl-(3-methyl-4-nitrophenyl)thiophosphate.

8057HC; AC-47300; Accothion; Agria 1050; Agriya 1050; Agrothion; AI3-25715; Akotion; American Cyanamid CL-47,300; Arbogal; Bayer 41831; Bayer S 5660; BRN 1887367; C-9146; Caswell No. 373; CCRIS 1559; Cekutrothion; CL 47300; CP 47114; m-Cresol, 4-nitro-, O-ester with O,O-dimethyl phosphorothioate; Cyfen; Cytel; Dimethyl-(3-methyl-4-nitrophenyl)thio-phosphate; Dimethyl 3-methyl-4-nitrophenyl phosphoro-thionate; O,O-Dimethyl-O-(3-methyl-4-nitrofenyl)-mono-thiofosfaat; O,O-Dimethyl O-(3-methyl-4-nitrophenyl) phosphorothionate; O,O-Dimethyl O-(3-methyl-4-nitrophenyl) thiophosphate; O,O-Dimethyl O-(3-methyl-4-nitrophenyl) phosphorothioate; O,O-Dimethyl-O-(3-methyl-4-nitro-phenyl)-monothiophosphat; O,O-Dimetil-O-(3-metil-4-nitro-fenil)-monotiofosfato; O,O-Dimetil-O-(3-metil-4-nitrofenil) fosforotioato; O,O-Dimethyl O-(4-nitro-3-methylphenyl) thiophosphate; O,O-Dimethyl-O-(4-nitro-5-methylphenyl)-thionophosphat; O,O-Dimethyl O-4-nitro-m-tolyl phosphorothioate; Dimethyl 4-nitro-m-tolyl phosphorothionate; EI 47300; EINECS 204-524-2; ENT 25,715; EPA Pesticide Chemical Code 105901; Falithion; Fenition; Fenitox; Fenitrothion; Fenitrotion; Fentrothione; Folithion; Folithion EC 50; HSDB 1590; Insectigas F; Kotion; Macbar; MEP (pesticide); Metathion; Metathion E 50; Metathione; Metathionine; Metathionine E50; Metation; Metation E50; Methylnitrophos; 3-Methyl-4-nitrophenyl dimethyl phosphorothioate; Mglawik F; Monsanto CP 47114; Nitrophos; Novathion; Nuvanol; Oleosumifene; OMS 43; Ovadofos; Owadofos; Owadophos; Pennwalt C-4852; Phenitrothion; Phosphorothioic acid, O,O-dimethyl O-(4-nitro-m-tolyl) ester; Phosphorothioic acid, O,O-dimethyl O-(3-methyl-4-nitrophenyl) ester; S-1102A; S 112A; Sumifene; Sumithion; Sumitomo S-1102A; Super Sumithion; Thiophosphate de O,O-dimethyle et de O-(3-methyl-4-nitrophenyle); Tionofosforan O,O-dwumetylo-O-(3-metylo)-4-nitrofenylowy; Verthion; Dimethyl 4-nitro-m-tolyl phosphorothionate; Dimethyl O-(3-methyl-4-nitrophenyl) phosphorothioate; Dimethyl O-(4-nitro-m-tolyl) phosphorothioate; O,O-Dimethyl O-(3-methyl-4-nitrophenyl) phosphorothionate; O,O-Dimethyl-O-(3-methyl-4-nitrofenyl)-monothiofosfaat; O,O-Dimethyl O-(3-methyl-4-nitrophenyl) thiophosphate; O,O-Dimethyl-O-(3-methyl-4-nitro-phenyl)-monothiophosphat O,O-Dimetil-O-(3-metil-4-nitro-fenil)-monotiofosfato; O,O-Dimetil-O-(3-metil-4-nitrofenil) fosforotioato; O,O-Dimethyl-O-(4-nitro-5-methylphenyl)-thionophosphat; O,O-Dimethyl O-4-nitro-m-tolyl thiophosphate; O,O-Dimethyl O-4-nitro-m-tolyl phosphorothioate; O,O-Dimethyl O-(4-nitro-3-methylphenyl) thiophosphate; Dybar; EI 47300; ENT 25,715; EPA Pesticide Chemical Code 105901; Falithion; Fenition; Fenitox; Fenitrothion; Fenitrotion; Fentrothione; Folithion; Folithion EC 50; HSDB 1590; Insectigas F; Kotion; Macbar; MEP (pesticide); Metathion; Metathion E 50; Metathione; Metathionine; Metathionine E50; Metation; Metation E50; 3-Methyl-4-nitrophenyl dimethyl phosphorothioate; O-(3-methyl-4-nitrophenyl) phosphorothioate; Methyl-nitrophos; Mglawik F; Monsanto CP 47114; Nitrophos; Novathion; Nuvanol; Nuvanol/N-20; Oleosumifene; OMS 43; Ovadofos; Owadofos; Owadophos; Pennwalt C-4852; Phenitrothion; Phosphorothioic acid, O,O-dimethyl O-(3-methyl-4-nitrophenyl) ester; Phospho-rothioic acid, O,O-dimethyl O-(4-nitro-m-tolyl) ester; S 112AS-1102A; Sumifene; Sumithion; Sumitomo S-1102A; Super SumithionThiophosphate de O,O-dimethyle et de O-(3-methyl-4-nitrophenyle); Tionofosforan O,O-dwumetylo-O-(3-metylo)-4-nitrofenylowy; Verthion. All-round low toxic insecticide for forest protection, agriculture and public health; used especially where long term effect is desired. Registered by EPA as an insecticide and acaricide. Yellow oil; bp_1 = 164°, $bp_{0.05}$ = 118°; d_4^{25} = 1.3227; λ_m = 269.5 nm (ε 6756); almost insoluble in H_2O (0.003 g/100 mlat 21°), poorly soluble in aliphatic hydrocarbons, in C_6H_{14} (2.4 g/100 ml at 24°, soluble in other organic solvents; LD_{50} (rat orl) = 570 - 800 mg/kg, (mus orl) = 870 mg/kg, (gpg orl) = 500 mg/kg, (mrat der) = 890 mg/kg (frat der) = 1200 mg/kg, (mus der) > 3000 mg/kg, (quail orl) ■ 23.6 mg/kg, (mallard duck orl) = 1190 mg/kg; LC_{50} (rat ihl 4 hr.) = 1.2 mg/l air, (carp 48 hr.) = 4.1 mg/l, (bluegill sunfish 96 hr.) = 3.8 mg/l, (brook trout 96 hr.) = 1.7 mg/l; toxic to bees. *A/S Cheminova; Am. Cyanamid; Bayer Corp.; Sumitomo Corp.; Walco-Linck Co.*

1723 Fenofibrate

49562-28-9 4005 D



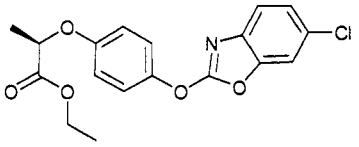
$C_{20}H_{21}ClO_4$

Isopropyl 2-[p-(p-chlorobenzoyl)phenoxy]-2-methyl-propionate.

Ankebin; Elasterin; Fenobrate; Fenofibrate; Fenotard; LF-178; Lipanthyl; Lipantil; Lipidil; Lipoclar; Lipofene; Liposit; Lipsin; Nolipax; Procetofen; Procetofene; Procetoken; Protolipan; Secalip. Hypolipidemic agent. A fibric acid; reduces plasma triglycerides by lowering plasma levels of very-low-density lipoprotein. Crystals; mp = 80-81°; insoluble in H_2O; slightly soluble in EtOH, MeOH; more soluble in non-polar solvents; LD_{50} (mus orl) = 1600 mg/kg.

1724 Fenoxaprop-P

113158-40-0 P



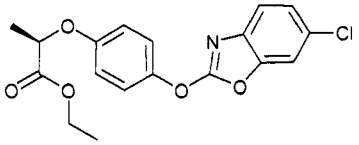
$C_{16}H_{12}ClNO_5$

(R)-2-[4-[(6-Chloro-2-benzoxazolyl)oxy]phenoxy]-propanoic acid.

(R)-2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)-propanoic acid; Fenoxaprop-P; HOE 046360; Propanoic acid, 2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)-, (R)-. Herbicide. *Hoechst AG.*

1725 Fenoxaprop-P-ethyl

71283-80-2 P



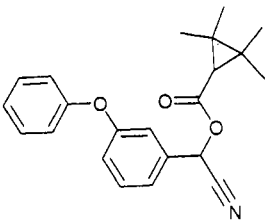
$C_{18}H_{16}ClNO_5$

Ethyl (R)-2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)-propanoate.

Fenoxaprop-p-ethyl; Fenoxaprop-p ethyl ester; Propanoic acid, 2-{4-{(6-chloro-2-benzoxazolyl)oxy}phenoxy}-, ethyl ester, (R)-. Registered by EPA as a herbicide. Colorless solid; mp = 84 - 85°; poorly soluble in H_2O (0.00009 g/100 ml), soluble in Me_2CO (>39 g/100 ml), EtOH (> 0.8 g/100 ml), cyclohexane (> 0.78 g/100 ml), n-octanol (> 0.8 g /100 ml), EtOAc (> 18 g/100 ml), C_7H_8 (> 25.8 g/100 ml); LD_{50} (mrat orl) = 3040 mg/kg, (frat orl) = 2090 mg/kg, (mus orl) > 5000 mg/kg, (rat der) > 2000 mg/kg, (bobwhite quail orl) > 2510 mg/kg; LC_{50} (rat ihl) ■ 6.04 mg/l air. *Aventis Crop Science; Aventis Environmental Science USA LP; Syngenta Crop Protection.*

1726 Fenpropathrin

39515-41-8 4033 G P



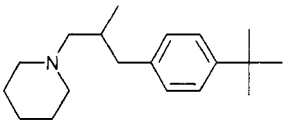
$C_{22}H_{23}NO_3$

cyano(3-phenoxyphenyl)methyl 2,2,3,3-tetramethyl-cyclopropanecarboxylate.

AI3-29234; Caswell No. 273H; CCRIS 7727; Cyano-3-phenoxybenzyl-2,2,3,3-tetramethylcyclopropane-carboxylate; α-Cyano-3-phenoxybenzyl 2,2,3,3-tetra-methylcyclopropanecarboxylate; Cyclopropanecarbox-ylic acid, 2,2,3,3-tetramethyl-, cyano(3-phenoxyphenyl)-methyl ester; Danimen; Danitol; Danitol Fiori; EINECS 254-485-0; EPA Pesticide Chemical Code 127901; Fenpropanate; Fenpropathrin; (±)-Fenpropathrin; 2,2,3,3-Tetramethylcyclopropanecarboxylic acid cyano-3-phen-oxyphenyl)methyl ester; Fenpropathrine; Herald; Kilumal; Meiothrin; Meothrin; Miothrin; OMS-1999; Ortho Danitol; Rody; S 3206; SD 41706; Smash; Tame; WL 41706; XE-938. A pyrethroid-based acaricide and insecticide with contact, stomach and repellent action. Used for control of mites and insects in fruit and vegetable crops. Liquid; mp = 45-50°; d^{25} = 1.15; almost insoluble in H_2O (0.33 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 71 mg/kg. *Shell UK.*

1727 Fenpropidin

67306-00-7 4020 P



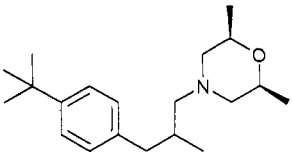
$C_{19}H_{31}N$

(±)-1-[3-[4-(1,1-Dimethylethyl)phenyl]-2-methylpropyl]-piperidine.

5-20-02-00071 (Beilstein Handbook Reference); BRN 1245248; CGA 114900; Fenpropidin; Fenpropidine; Patrol; Piperidine, 1-(3-(4-(1,1-dimethylethyl)phenyl)-2-methylpropyl)-; Ro 12-3049. Inhibitor of ergosterol biosynthesis. Used as a fungicide. Pale yellow, viscous liquid; $bp_{0.004}$ ■ 100°; soluble in H_2O (0.035 g/100 ml at 25° and pH 7), Me_2CO, $CHCl_3$, EtOH, EtOAc, C_7H_{16}, xylene; LD_{50} (rat orl) = 1800 mg/kg, (mus orl) > 3200 mg/kg, (rat der) > 1800 mg/kg, (rat ip) = 350 mg/kg, (mallard duck orl) = 1900 mg/kg, (pheasant orl) = 370 mg/kg, (bee orl 48 hr.) > 0.01 mg/bee, (bee contact 48 hr.) = 0.046 mg/bee; LC_{50} (rat ihl) = 1.22 mg/l air, (rainbow trout 96 hr.) = 2.6 mg/l, (mirror carp 96 hr.) = 3.6 mg/l, (bluegill sunfish 96 hr.) = 1.8 mg/l; (*Daphnia* 48 hr.) = 0.5 mg/l; toxic to bees. *ICI Agrochemicals; Maag; Syngenta Crop Protection.*

1728 Fenpropimorph

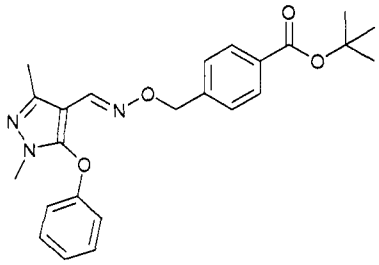
67564-91-4 4021 P



$C_{20}H_{33}NO$
cis-4-[3-[4-(1,1-Dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine.
ACR-3320; BAS 42100F; BAS 421F; Corbel; EINECS 266-719-9; Fenpropimorph; cis-Fenpropimorph; Fenpropi-morph cis-form; Fenpropimorphe; Forbel; Mistral; Morpholine, 2,6-dimethyl-4-(3-(4-(1,1-dimethylethyl)-phenyl)-2-methylpropyl)-, cis-; Ro 14-3169; Task. Fungicide. Colorless oil; $bp_{0.005}$ = 120°; sg^{20} = 0.931; soluble in H_2O (0.00043 g/100 ml at 25° and pH 7), Me_2CO, $CHCl_3$, EtOAc, cyclohexane, C_7H_8, Et_2O, EtOH (all > 80 g/100 ml); LD_{50} (rat orl) = 3515 mg/kg, (mus orl) = 5980 mg/kg, (rat der) > 4000 mg/kg; LC_{50} (rat ihl 4 hr.) = 2.9 mg/l air, (rainbow trout 96 hr.) = 9.5 mg/l, (bluegill sunfish 96 hr.) = 3.9 mg/l, (carp 96 hr.) = 3.2 mg/l; non-toxic to bees. *BASF Corp.; Maag; Rhône-Poulenc; Syngenta Crop Protection.*

1729 Fenpyroximate

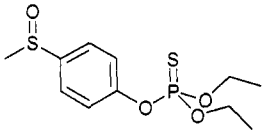
134098-61-6 4024 H



$C_{24}H_{27}N_3O_4$
4-[[[(E)-[(1,3-Dimethyl-5-phenoxy-1H-pyrazol-4-yl)methylene]amino]oxy]methyl]benzoic acid 1,1-dimethylethyl ester.
Fenpyroximate; HOE-555-02A; NNI 850; Sequel. Registered by EPA as an insecticide and acaricide. Used on ornamentals. White crystals; mp = 101 - 102°; aimost insoluble in H_2O (0.0.0000015 g/100 ml at 25°), soluble in MeOH (1.5 g/100 ml), C_6H_{14} (0.4 g/100 ml), xylene (17.5 g/100 ml); LD_{50} (mrat orl) = 480 mg/kg, (frat orl) = 245 mg/kg, (mfrat der) > 2000 mg/kg; LC_{50} (carp 48 hr.) = 0.0061 mg/l, (*Daphnia pulex* 3 hr.) = 0.085 mg/l. *AgrEvo; Hoechst AG.*

1730 Fensulfothion

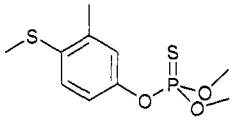
115-90-2 4028 G P



$C_{11}H_{17}O_4PS_2$
O,O-Diethyl O-[4-(methylsulfinyl)phenyl] phosphoro-thioate.
AI3-24945; BAY 25141; Bayer 25141; BRN 2219515; Caswell No. 343; Chemagro 25141; Daconit; Dasanit; Diethyl p-methylsulfinylphenyl thiophosphate; p,O-Diethyl O-p-(methylsulfinyl)phenyl thiophosphate; EINECS 204-114-3; ENT 24,945; EPA Pesticide Chemical Code 032701; Fensulfothion; HSDB 1580; OMS 37; O,O-Diaethyl-O-4-methylsulfinyl-phenyl-monothiophos-phat; O,O-Diäthyl-O-4-methylsulfinyl-phenyl-monothio-phosphat; O,O-Diethyl O-p-(methylsulfinyl)phenyl thiophosphate; O,O-Diethyl O-4-methylsulphinylphenyl phosphorothioate; O,O-Diethyl O-(p-(methylsulfinyl)-phenyl) phosphorothioate; O,O-Diethyl O-(4-(methylsulfinyl)phenyl) phosphorothioate; Phenol, p-(methylsulfinyl)-, O-ester with O,O-diethyl phosphoro-thioate; Phosphorothioic acid, O,O-diethyl O-(4-(methylsulfinyl)phenyl) ester; S 767; Terracur® P; VUAgT 96; VUAgT 108. Granular insecticide; used for treatment of biting insects and nematodes. Nematicide and insecticide with primarily contact action. Cholinesterase inhibitor. Used for control of nematodes and soil-dwelling insects. Registered by EPA as an insecticide and fungicide. Used as an insecticide and nematicide (cancelled). Yellow oil; $bp_{0.01}$ = 138-141°; d_{20} = 1.202; soluble in H_2O (0.154 g/100 ml), soluble in most organic solvents; LD_{50} (mrat orl)= 10.5 mg/kg, (frat orl) = 2.2 mg/kg, (gpg orl) = 9 mg/kg, (mrat der) = 30 mg/kg, (frat der) = 3.5 mg/kg, (bobwhite quail orl) = 40 mg/kg; LC_{50} (rat ihl 1 hr.) = 0.113 mg/l air, (bobwhite quail 5 day dietary) = 35 mg/kg diet, (mallard duck 5 day dietary) = 43 mg/kg diet, (bluegill sunfish 96 hr.) = 0.12 mg/l, (rainbow trout 96 hr.) = 8.6 mg/l, (golden orfe 96 hr.) = 6.8 mg/l; toxic to bees. *Bayer AG.*

1731 Fenthion

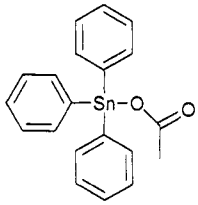
55-38-9 4030 G V



$C_{10}H_{15}O_3PS_2$
O,O-Dimethyl O-(4-methylthio-3-methylphenyl) thio-phosphate.
AI3-25540; B 29493; Bay 29493; Bay-Bassa; BAY 29493; Baycid; Baycid; Bayer 29493; Bayer 9007; Bayer S-1752; Baytex; BRN 1974129; Caswell No. 456F; CCRIS 310; EINECS 200-231-9; ENT 25,540; Entex; EPA Pesticide Chemical Code 053301; Fenthion; Fenthion 4E; Fenthion-methyl; Fenthione; Figuron; HSDB 1403; Lebaycid; Mercaptophos; 4-Methylmercapto-3-methylphenyl di-methyl thiophosphate; MPP; MPP (pesticide); NCI-C08651; OMS 2; Phenthion; Phosphorothioic acid, O,O-dimethyl O-(4-(methylthio)-m-tolyl) ester; Phosphoro-thioic acid, O,O-dimethyl O-(3-methyl-4-(methylthio)-phenyl) ester; Pro-Spot; Queletox; S 1752; Spotton; Sulfidophos; Talodex; Thiophosphate de O,O-dimethyle et de O-(3-methyl-4-methylthiophenyle); Tiguvon. Veterinary preparation; used on domestic animals against warble infestation and lice. Also used in agriculture as an insecticide with stomach and contact action. Oil; mp = 7.5°; $bp_{0.01}$ = 87°; d_{20} = 1.246; soluble in H_2O (2 mg/l), more soluble in organic solvents; LD_{50} (mrat orl) = 215 mg/kg, (frat orl) = 245 mg/kg. *Bayer AG; Bayer Corp., Ag. Div., Animal Health.*

1732 Fentin acetate

900-95-8 H P

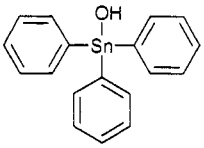


$C_{20}H_{18}O_2Sn$
Triphenyltin acetate.
Acetate de triphenyl-etain; Acetato di stagno trifenile; Acetatotriphenylstannane; Acetoxy-triphenyl-stannan; Acetoxy-triphenylstannane; Acetoxytriphenyltin; (Acetyl-oxy)triphenylstannane; AI3-25208; Batasan; Brestan; Brestan 60; BRN 4146107; Caswell No. 896C; EINECS 212-984-0; ENT 25208; EPA Pesticide Chemical Code 496700; Fenolovo acetate; Fentin acetaat; Fentin acetat; Fentin acetate; Fentin azetat; Fentinacetat; Fentine acetate; Fintin acetato; GC 6936; HOE-2824; HSDB 1783; Liromatin; Lirostanol; NSC 76068; OMS 1020; Phenostat A; Phentin acetate; Phentinoacetate; Stannane, (acetyloxy)triphenyl-; Stannane, acetoxytriphenyl-; Suzu; Tin, acetoxytriphenyl-; Tin

triphenyl acetate; Tinestan; Tinestan 60 WP; Tinestan WP 20; Tinestan WP 60; TPTA; Tpza; Trifenil stagno acetato; Trifenyltinacetaat; Triphenyl-zinnacetat; Triphenylaceto stannane; Triphenylstannium acetate; Triphenyltin acetate; Triphenyltin(IV) acetate; Tubotin; VP 19-40; Acetate de triphenyl-etain; Acetato di stagno trifenile; Acetatotriphenylstannane; Acetoxy-triphenylstannan; Acetoxy-triphenylstannane; Acetoxytriphenyltin; AI3-25208; Batasan; Brestan; Brestan 60; BRN 4146107; Caswell No. 896C; ENT 25208; EPA Pesticide Chemical Code 496700; Fenolovo acetate; Fentin acetaat; Fentin acetat; Fentin acetate; Fentin azetat; Fentinacetat; Fentine acetate; Fintin acetato; GC 6936; HOE-2824; HSDB 1783; Liromatin; Lirostanol; NSC 76068; OMS 1020; Phenostat A; Phentin acetate; Phentinoacetate; Stannane, (acetyloxy)triphenyl-; Stannane, acetoxytriphenyl-. Fungicide, algicide and molluscicide. Colorless crystals; mp = 121.5°; sg^{20} ■ 1.5; poorly soluble in H_2O (0.0009 g/100 ml at 20° and pH 5), soluble in EtOH (2.2 g/100 ml), EtOAc (8.2 g/100 ml), C_6H_{14} (0.5 g/100 ml), CH_2Cl_2 (46 g/100 ml), C_7H_8 (8.9 g/100 ml); LD_{50} (rat orl) = 140 - 298 mg/kg, (gpg orl) = 20 mg/kg, (rbt orl) ■ 30 - 50 mg/kg, (rat der) = 450 mg/kg, (mus der) = 350 mg/kg; LC_{50} (mrat ihl 4 hr.) = 0.044 mgl air, (frat ihl 4 hr.) = 0.069 mg/l air, (carp 48 hr.) ■ 0.32 mg/l; non-toxic to bees. *Aventis Crop Science; Hoechst AG.*

1733 Fentin hydroxide

76-87-9 9816 P



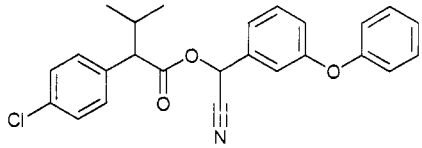
$C_{18}H_{16}OSn$

Triphenyltin hydroxide.

AI3-28009; Brestan H 47.5 WP fungicide; Brestan R; BRN 4139186; Caswell No. 896E; CCRIS 612; Dowco 186; Du-Ter; Du-Ter Fungicide; Du-Ter Fungicide Wettable Powder; Du-Ter PB-47 Fungicide; Du-Ter W-50; Du-Tur Flowable-30; Duter extra; EINECS 200-990-6; ENT 28009; EPA Pesticide Chemical Code 083601; Erithane; Fenolovo; Fentin; Fentin hydroxide; Fentine; Fintin hydroxid; Fintin hydroxyde; Fintin idrossido; Fintine hydroxide; Fintine hydroxyde; Flo Tin 4l; Flo-Tin 4L; Haitin; Haitin WP 20 (fentin hydroxide 20%); Haitin WP 60 (fentin hydroxide 60%); HSDB 1784; Hydroxyde de triphenyl-etain; Hydroxytriphenylstannane; Hydroxytriphenyltin; Ida; Idrossido di stagno trifenile; Imc Flo-Tin 4L; K 19; NCI-C00260; NSC 113243; OMS 1017; Phenostat-A H; Phenostat-H; Stannane, hydroxytriphenyl-; Stannol, triphenyl-; Sunitron H; Super tin 4L; Super Tin; Super Tin 4L Gardian Flowable Fungicide; Suzu H; Tenhide; Tin, hydroxytriphenyl-; Tpth Technical; TPTH; Tptoh; Trifenyl-tinhydroxyde; Trifenylstanniumhydroxid; Triphenyl tin hydroxide; Triphenyl-zinnhydroxid; Tri-phenylhydroxytin; Triphenylstannanol; Triphenylstann-ium hydroxide; Triphenyltin hydroxide; Triphenyltin oxide; Triphenyltin(IV) hydroxide; Triple Tin; Triple Tin 4l; Tubotin; Vancide KS; Vito Spot Fungicide; Wesley Technical Triphenyltin Hydroxide. Registered by EPA as a fungicide. Suspension concentrate containing 625 g triphenyltin hydroxide per liter; used for prevention of potato blight and disease control in sugar beet. Flowable fungicide for pecans, potatoes, sugarbeets; restricted use. Crystals; mp = 119°, 122-122.5°; bp = 124.3°; d^{20} = 0.9943; poorly soluble in H_2O (0.0001 g/100 ml at 20°, pH 7), slightly soluble in EtOH (1 g/100 ml), CH_2Cl_2 (17.1 g/100 ml), Et_2O (2.8 g/100 ml), Me_2CO (5 g/100 ml), C_7H_8; LD_{50} (mrat orl) ■ 171 mg/kg, (frat orl) = 110 mg/kg, (mmus orl) = 225 mg/kg, (fmus orl) = 209 mg/kg, (mgpg orl) ■ 27.1 mg/kg, (fgpg orl) = 31.1 mg/kg; LC_{50} (bobwhite quail dietary 8 day) = 38.5 mg/kg diet; (guppies 48 hr.) ■ 0.054 mg/l, (carp 48 hr.) = 0.05 mg/l, (golden orfe (0.11 mg/l), (Japanese killifish 48 hr.) ■ 0.072 mg/l, (harlequin fish 48 hr.) ■ 0.042 mg/l; non-toxic to bees. *Agtrol International; Ashlade Formulations Ltd.; Aventis Crop Science; Cerexagri, Inc.; Chiltern Farm Chemicals Ltd; Dow AgroSciences; Griffin LLC; ICI Chem. & Polymers Ltd.*

1734 Fenvalerate

51630-58-1 4038 G P



$C_{25}H_{22}ClNO_3$

4-Chloro-α-(1-methylethyl)benzeneacetic acidcyano(3-phenoxyphenyl)methyl ester.

Agrofen; AI3-29235; Aqmatrine; Belmark; Benzeneacetic acid, 4-chloro-α-(1-methylethyl)-, cyano(3-phenoxy-phenyl)methyl ester; BRN 2025982; Caswell No. 077A; CCRIS 311;S-5602; Pydrin; Pyridin; SD-43775; Sumicidin; Tirade; WL-43775; (+)-α-Cyano-3-phenoxy-benzyl-(+)-α-(4-chlorophenyl)isovalerate; (RS)-α-Cyano-3-phenoxybenzyl(RS)-2-(4-chlorophenyl)-3-methylbutyrate; α-Cyano-3-phenoxybenzyl α-isopropyl-4-chlorophenyl-acetate; Cyano(3-phenoxybenzyl)methyl 2-(4-chloro-phenyl)-3-methylbutyrate; Cyano-(3-phenoxyphenyl)-methyl 4-chloro-α-(1-methylethyl)benzene acetate; α-Cyano-(3-phenoxyphenyl)methyl-4-chloro-α-(1-methyl-ethyl)benzeneacetate; Ectrin; EPA Pesticide Chemical Code 109301; EPA Shaughnessy Code: 109301; Evercide 2362; Evercide fenvalerate; Extrin; Fenaxin; Fenkem; Fenkill; Fenoxin; Fenval; Fenvalerate; Furitrothion; Gold crest tribute; HSDB 6640; Insectral; OMS-2000; Phenoxin; Phenvalerate; Pydrin; Pyridin; S 5602; Sanmarton; SD 43775; Sumibac; Sumicide; Sumicidin; Sumicidin 20E; Sumifleece; Sumifly; Sumipower; Sumitick; Sumitox; Sumkidin; Tirade; Tribute; WL 43775. Synthetic pyethroid insecticide lacking the cyclopropane ring. Registered by EPA as an insecticide. Viscous yellow liquid; d^{23} = 1.17; insoluble in H_2O (< 0.0001 g/100 ml, soluble in Me_2CO (> 79 g/100 ml), $CHCl_3$ (> 150 g/100 ml), EtOH (> 79 g/100 ml), MeOH (> 36 g/1200 ml), C_6H_{14} (10.2 g/100 ml); LD_{50} (rat orl) ■ 451 mg/kg, (rat der) > 5000 mg/kg, (rbt der) = 2500 mg/kg, (domestic fowl orl) > 1600 mg/kg, (mallard duck orl) = 9932 mg/kg, LC_{50} (quail dietary) > 10000 mg/kg, (mallard duck dietary) ■ 5500 mg/kg; very toxic to fish, LC_{50} (rainbow trout 96 hr.) = 0.0036 mg/l; highly toxic to bees (LD_{50} (bee contact) = 0.00023 mg/bee. *Mclaughlin Gormley King Co; PET Chemicals; Sumitomo Corp.; Whitmire Micro-Gen Research Laboratories Inc.*

1735 Ferric chloride

7705-08-0 4048 D G

$FeCl_3$

Iron(III) chloride.

AI3-51902; Caswell No. 459; CCRIS 2299; Chlorure ferrique; EINECS 231-729-4; EPA Pesticide Chemical Code 034901; Ferric chloride; Flores martis; HSDB 449; Iron chloride; Iron (III) chloride; Iron chloride ($FeCl_3$); Iron perchloride; Iron sesquichloride; Iron trichloride; Natural molysite; NSC 51150; NSC 135798; Perchlorure de fer; UN1773; UN2582. Used in the treatment of sewage and industrial wastes; etching agent, mordant, disinfectant, pigment, feed additive. Has been used as an astringent. Dark hexagonal leaflets; mp = 300°; bp = 316°; d ■ 2.90; readiliy absorbs water; readily soluble in H_2O, EtOH, Et_2O, Me_2CO; LD_{50} (rat orl) = 450 mg/kg. *Asahi Denka Kogyo; BASF Corp.; Eka Nobel Ltd.; Mallinckrodt Inc.;*

Penta Mfg.; Rasa.

1736 Ferric hydroxide

20344-49-4 4055 G

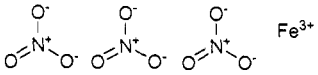
$FeHO_2$

Ferric hydroxide oxide.

EINECS 243-746-4; Ferric hydroxide; Ferrugo; Hydrated ferric oxide; Iron hydroxide oxide (Fe(OH)O); Iron hydroxide oxide; Iron oxides. Red-brown powder or crystals. Used as a catalyst, pigment and in water purification. Red-brown crystals; d = 3.4-3.9; insoluble in H_2O, EtOH, soluble in mineral acids.

1737 Ferric nitrate

10421-48-4 4057 G



FeN_3O_9

Iron(III) nitrate.

EINECS 233-899-5; Ferric nitrate; HSDB 451; Iron nitrate; Iron (III) nitrate, anhydrous; Iron nitrate ($Fe(NO_3)_3$); Iron trinitrate; Nitric acid, iron(3+) salt; UN1466. Used in dyeing, tanning and analytical chemistry. [nonahydrate]; d = 1.68; mp = 47°; dec below 100°; d^{21} = 1.68; freely soluble in water, alcohol, acetone; LD_{50} (rats orl) = 3.25 g/kg. *General Chem; Hoechst Celanese; Mallinckrodt Inc.; Sherman Chem. Co.; Sigma-Aldrich Fine Chem.*

1738 Ferric oxide

1309-37-1 4058 G

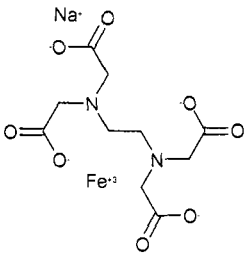
Fe_3O_4

Iron(III) oxide.

11554 Red; Anchred standard; Anhydrous iron oxide; Anhydrous oxide of iron; Armenian bole; Bauxite residue; Blackox; Black oxide of iron; Blended red oxides of iron; Burnt sienna; Burnt umber; Burntisland Red; C.I. 77491; C.I. Pigment Red 101; C.I. Pigment Red 102; C.I. Pigment Red 101 and 102; Calcotone Red; Caput mortuum; CCRIS 7330; CI 77491; Colcothar; Colloidal ferric oxide; Crocus martis adstringens; Deanox; Deanox DNX Pigments; Diiron trioxide; EINECS 215-168-2; Eisenoxyd; English Red; Ferric oxide; Ferric oxide (colloidal); Ferric oxide [Haematite and ferric oxide]; Ferric sesquioxide; Ferrous-ferric oxide; Ferroxide; Ferrugo; Foundrox; Hematite mineral; HSDB 452; Indian red; Iron oxide; Iron oxide (Fe_2O_3); Iron oxide dust; Iron oxide fume; Iron oxide pigments; Iron Oxide Red; Iron oxides; Iron Red; Iron sesquioxide; Iron trioxide; Iron(III) oxide; Jeweler's rouge; Kroma red; Levanox Red 130A; Light Red; Manufactured iron oxides; Mars Brown; Mars Red; Natural hematite; Natural iron oxides; Natural Red Oxide; Ocher; Ochre; OSO® 440; OSO® 1905; Pigment black 11; Pigment brown 6; Pigment brown 7; Pigment Red 101; Prussian Brown; Quick rouge; Raddle; Red Iron Oxide; Red ochre; Red oxide; Red oxide D3452; Red oxide D6984; Red oxide of iron; Rouge; Rubigo; Sal mineral; Sienna; Sienna brown; Specular iron; Specularite; Stone Red; Supra; Synthetic iron oxide; Trip; Venetian Red; Vitriol Red; Vogel's Iron Red; Yellow ferric oxide; Yellow oxide of iron. Foundry grade black iron oxide for core and mold use with particular emphasis on elimination of sub-surface porosity and carbon streaking when phenolic urethane sand binder systems are in use. Red-black powder; mp = 1538°; d = 5.24; insoluble in H_2O, organic solvents. &; Co; Color; DCS; Inc; Supply.

1739 Ferric sodium edetate

15708-41-5 4062 D G H



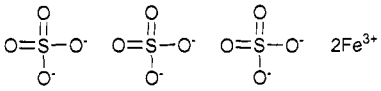
$C_{10}H_{12}FeN_2NaO_8$

Sodium [(ethylenedinitrilo)tetraacetato]ferrate(1-).

Calmosine; CCRIS 6795; Edathamil monosodium ferric salt; EINECS 239-802-2; Feredato sodico; Feredetate de sodium; Ferisan; Ferric sodium edetate; Ferric sodium EDTA; Ferrostrane; Ferrostrene; Monosodium ferric EDTA; Natrii feredetas; NSC 5237; Sequestrene Na Fe iron chelate; Sequestrene NaFe; Sodium feredetate; Sodium ferric EDTA; Sodium Iron EDTA; Sodium ironedetate; Sybron; Sytron. Used as a source of iron, a hematinic. Crystals.

1740 Ferric sulfate

10028-22-5 4065 G H P



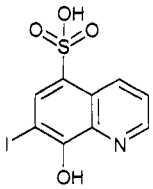
$Fe_2O_{12}S_3$

Iron (III) sulfate.

CCRIS 7885; Coquimbite mineral; Diiron tris(sulphate); Diiron trisulfate; EINECS 233-072-9; Elliott's Lawn Sand; Ferric persulfate; Ferric sesquisulfate; Ferric sulfate; Ferric tersulfate; HSDB 6311; Iron persulfate; Iron sesquisulfate; Iron sulfate (2:3); Iron sulfate ($Fe_2(SO_4)_3$); Iron tersulfate; Iron(3+) sulfate; Iron(III) sulfate; Maxicrop Moss Killer & Conditioner; Sulfuric acid, iron(3+) salt (3:2); Vitax Turf Tonic; Hart Lawn Sand; Hart Moss Killer; Maxicrop Moss Killer & Conditioner; Taylors Lawn Sand; Vitax Micro Gran; Vitax Turf Tonic; Walkover Moss Killer; Elliott's Lawn Sand; Elliott's Moss Killer; Green-up Mossfree; Greenmaster Autumn; Greenmaster Mosskiller. Used for moss control in turf; polymerization catalyst; coagulant in water purification and sewage treatment; in etching aluminium. In pigments, reagent, etching aluminum, disinfectant, textile dyeing and printing, flocculant in water and sewage purification, soil conditioner, polymerization catalyst, metal pickling, chelated iron products, chemical intermediate. Registered by EPA as a herbicide. Gray-white powder or crystals; d^{18} = 3.097; slowly soluble in H_2O, sparingly soluble in EtOH, insoluble in Me_2CO, EtOAc. *Boliden Intertrade; Central Garden & Pet; Faezy & Besthoff; Fisons plc, Horticultural Div.; Hart Prod.; Maxicrop International Ltd; Rhône-Poulenc; Thomas Elliott Ltd; UAP - Platte Chemical; Vitax Ltd.*

1741 Ferron

547-91-1 4851 D G



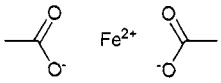
$C_9H_6INO_4S$

8-Hydroxy-7-iodo-5-quinolinesulfonic Acid.

5-22-07-00582 (Beilstein Handbook Reference); Anayodin; BRN 0223832; EINECS 208-938-4; Ferron (analytical reagent); 8-Hydroxy-7-iodo-5-quinolinesulfonic acid; 8-Hydroxy-7-iodoquinoline-5-sulphonic acid; 8-Hydroxy-7-iodoquinolinesulfonic acid; 5-Iodo-8-quinolinol-5-sulfonic acid; 7-Iodo-5-sulfonic acid-8-hydroxyquinoline; 7-Iodo-8-hydroxylquinoline-5-sulfonic acid; 7-Iodooxine-5-sulfonic acid; Loretin; Loretine; Meditrene; NSC 3784; Quiniophen; 5-Quinolinesulfonic acid, 8-hydroxy-7-iodo-; Quinoxyl; Sefona; 5-Sulfo-7-iodo-8-quinolinol; 5-Sulfo-7-iodo-8-hydroxyquinoline; Yatren; Yellon; 8-hydroxy-7-iodoquinoline-5-carboxylic acid. Antiamebic and antiseptic. Used as a germicide. Yellow prisms; mp = 260° (dec); λm ax 327, 355 nm (ε = 2512, 2512, 1N HCl), 335, 362 nm (ε = 15849, 63096, pH 9); soluble in H_2O (0.2 g/100 ml at 25°, 0.59 g/100 ml at 100°), slightly soluble in EtOH, insoluble in other organic solvents.

1742 Ferrous acetate

3094-87-9 G



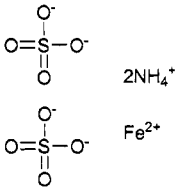
$C_4H_6FeO_4$

Iron (II) acetate.

Acetic acid, iron(2+) salt; Black liquor; Black mordant; EINECS 221-441-7; Ferrous acetate; Iron di(acetate); Iron diacetate; Iron(2+) acetate; Iron liquor; Liqueur de ferraile; Pyrolignite of iron. Prepared by the action of acetic acid upon iron turnings. The solution also contains ferric acetate and is used in calico printing, and in dyeing, for the preparation of blue, violet, black, and brown colors. Crystals; mp= 190°.

1743 Ferrous ammonium sulfate

10045-89-3 523 G P



$FeH_8N_2O_8S_2$

Ammonium iron(II) sulfate.

Ammonium ferrous sulfate; Ammonium iron sulfate; Ammonium iron sulfate (2:2:1); Ammonium iron(II) sulfate; Caswell No. 459B; Diammonium ferrous sulfate; Diammonium iron bis(sulphate); Diammonium iron sulfate; EINECS 233-151-8; EPA Pesticide Chemical Code 050506; Ferroammonsulfat; Ferrous ammonium sulfate; Ferrous ammonium sulphate; Ferrous diammonium disulfate; HSDB 456; Mohr's salt; Mohr'sches salz; Sulfuric acid, ammonium iron(2+) salt (2:2:1); Vitaferro; Diammonium iron bis(sulphate); EPA Pesticide Chemical Code 050506; Ferrous ammonium sulfate; Ferrous ammonium sulphate; Ferrous diammonium disulfate; HSDB 456; Mohr's salt; Sulfuric acid, ammonium iron(2+) salt (2:2:1). Used in analytical chemistry, photography, as a polymerization catalyst and in metallurgy. Registered by EPA as a herbicide (cancelled). Blue-green crystals; d^{20}= 1.86; soluble in H_2O, insoluble in EtOH; LD_{50} (rat orl) = 3250 mg/kg. *Sigma-Aldrich Fine Chem.*

1744 Ferrous chloride

7758-94-3 4077 G

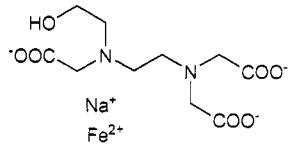
Cl_2Fe

Iron(II) chloride.

EINECS 231-843-4; Ferro 66; Ferrous chloride; Ferrous dichloride; HSDB 459; Iron chloride; Iron chloride ($FeCl_2$); Iron dichloride; Iron protochloride; Iron(2+) chloride; Iron(II) chloride; NA1759; NA1760; Natural lawrencite. Water treatment chemical. Used in metallurgy; as reducing agent; in pharmaceutical preparations; as mordant in dyeing. White-green crystals; mp = 674°; bp = 1023°; d^{25} = 2.90; freely soluble in H_2O, EtOH, Me_2CO, slightly soluble in C_6H_6, practicallly insoluble in Et_2O; LD_{50} (rat orl) = 900 mg/kg. *Rheox Inc.*

1745 Ferrous sodium HEDTA

16485-47-5 H



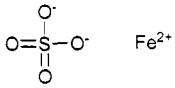
$C_{10}H_{15}FeN_2NaO_7$

Sodium (N-(2-(bis(carboxymethyl)amino)ethyl)-N-(2-hydroxyethyl)glycinato(3-))ferrate(1-).

EINECS 240-541-1; Ferrate(1-), ((N-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenediglycinato)(3-))-, sodium; Ferrate(1-), (N-(2-(bis(carboxymethyl)amino)ethyl)-N-(2-hydroxyethyl)glycinato(3-))-, sodium; Ferrous sodium HEDTA; Sodium (N-(2-(bis(carboxymethyl)amino)ethyl)-N-(2-hydroxyethyl)glycinato(3-))ferrate(1-).

1746 Ferrous sulfate

7720-78-7 4091 G P



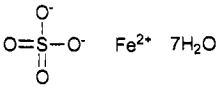
FeO_4S

Iron(II) sulfate.

AI3-51903; CCRIS 6796; Combiron; Copperas; Duretter; Duroferon; EINECS 231-753-5; Exsiccated ferrous sulfate; Exsiccated ferrous sulphate; Feosol; Feospan; Fer-In-Sol; Ferobuff; Ferolix; Ferralyn; Ferro-gradumet; Ferro-Theron; Ferrosulfat; Ferrosulfate; Ferrous sulfate; Ferrous sulfate (1:1); Ferrous sulfate anhydrous; Ferrous sulphate; Fersolate; Ferulen; Ferusal; Green Salts; Green Vitriol; HSDB 465; Iron monosulfate; Iron sulfate (1:1); Iron sulfate ($FeSO_4$); Iron sulphate; Iron vitriol; Iron(2+) sulfate; Iron(2+) sulfate (1:1); Iron(II) sulfate; Irospan; Kesuka; Mol-Iron; NSC 57631; NSC 146177; Odophos; Quickfloc (salt); Sal Chalybis; SFE 171; Slow Fe; Sorbifer durules; Sulferrous; Sulfuric acid, iron(2+) salt (1:1). Iron oxide pigment, other iron salts, ferrites, water and sewage treatment, catalyst especially for synthetic ammonia, fertilizer, feed additive, flour enrichment, reducing agent, herbicide, wood preservative, process engraving. Green crystals. *EM Ind. Inc.; Huber J. M.;*

1747 Ferrous sulfate heptahydrate

7782-63-0 4091 D G P



$FeO_4S.7H_2O$

Iron(II)Sulfate Heptahydrate.

Caswell No. 460; CCRIS 7331; EPA Pesticide Chemical Code 050502; Ferrous sulfate, heptahydrate; Fesofor; Fesotyme; Haemofort; Iron protosulfate; Iron sulfate heptahydrate; Iron(2+) sulfate heptahydrate; Iron(II) sulfate heptahydrate; Iron vitriol; Ironate; Irosul; Melanterite mineral; Presfersul; Sal Martis; Salt of steel; Shoemaker's Black; Siderotil mineral; Sulfuric acid, iron(2+) salt (1:1), heptahydrate; Szomolnikite mineral; Tauriscite mineral. As a chemical intermediate, in electroplating, as a pesticide and medicinally as a hematinic. Registered by EPA as a herbicide (cancelled). Blue-green monoclinic crystals; d = 1.897; loses H_2O to form the tetrahydrate at 56.6°, and the monohydrate at 65°; soluble in H_2O, insoluble in EtOH; LD_{50} (mus iv) = 65 mg/kg, (mus orl) = 1520 mg/kg. *Generic; Sigma-Aldrich Co.*

1748 Ferrous sulfide

1317-37-9 4092 G

FeS

Iron(II) sulfide.

Black iron sulfide; CI 77540; EINECS 215-268-6; Ferrous monosulfide; Ferrous sulfide (FeS); HSDB 5803; Iron monosulfide; Iron monosulfide (FeS); Iron protosulfide; Iron sulfide (FeS); Iron sulfuret; Iron sulphide; Magnetkies; Pyrrhotine; Troilite. A variety of iron pyrites. Used as a source of H_2S, in ceramics, as a pigment, in anodes and lubricant coatings. Colorless-grey crystals; mp = 1194°; d = 4.84; insoluble in H_2O, soluble in acids.

1749 Ferrous sulfide

12068-85-8 G

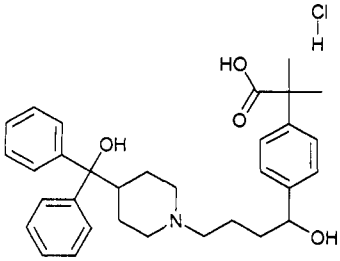
FeS_2

Iron(II) sulfide.

Coxcomb pyrites; EINECS 235-106-8; Iron disulphide; Iron sulfide (FeS_2); Marcasite; Radiated pyrites; White iron pyrites. Iron disulfide, a mineral. The term marcasite is also occasionally applied to bismuth.

1750 Fexofenadine hydrochloride

153439-40-8 4101 D



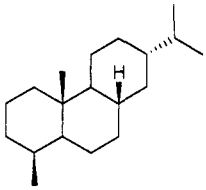
$C_{32}H_{40}ClNO_4$

(±)-p-[1-Hydroxy-4-[4-(hydroxydiphenylmethyl)piperid-inojbutyl]-α-methylhydratropic acid hydrochloride.

Allegra; Fexofenadine hydrochloride; MDL 16,455A; Telfast. Antihistaminic. *Hoechst AG (USA).*

1751 Fichtelite

2221-95-6 4108 G



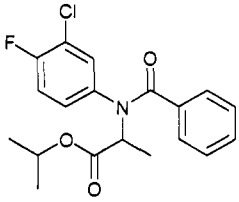
$C_{19}H_{34}$

[1S-(1α,4aα,4bβ,7β,8aα,10aβ)-tetradecahydro-1,4a-dimethyl-7-(1-methylethyl)phenanthrene.

(1S-(1α,4aα,4bβ,7β,8aα,10aβ))-Tetradeca-hydro-1,4a-dimethyl-7-(1-methylethl) phenanthrene; Fichtelite; 18-Norabietane. A hydrocarbon, $C_{19}H_{34}$, found in fossil coniferous resins. Crystals; mp = 45-46°; bp_{43} = 235-236°; d_4^{22} = 0.9380; n_D^{20} = 1.5052; $[\alpha]_D$ = 19°.

1752 Flamprop-M-isopropyl (D-)

63782-90-1 G P



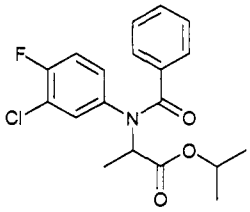
$C_{19}H_{19}ClFNO_3$

N-Benzoyl-N-(3-chloro-4-fluorophenyl)-D-alanine iso-propyl ester.

Barnon plus; BRN 2899801; Commando; D-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, isopropyl ester; Effix; Flame; Flamprop-m-isopropyl; Gunner; Power Flame; Isopropyl N-benzoyl-N-(3-chloro-4-fluorophenyl)-D-alaninate; Mutaven L; Suffix BW; Super Barnon; Super Suffix; Superbarnon; WL 43 423; WL 43 425. Herbicide. Used for control of wild oats in cereal crops. Colorless crystals; mp = 72 - 75°; soluble in H_2O (0.001 g/100 ml at 20°), Me_2CO (> 40 g/100 ml), cyclohexanone (68 g/100 ml), EtOH (15 g/100 ml), xylene (≅50 g/100 ml), C_6H_{14} (≅0.6 g/100 ml); LD_{50} (rat, mus orl) > 4000 mg/kg, (rat der) > 1600 mg/kg, (rat ip) > 1200 mg/kg, (fowl orl) > 2000 mg/kg; LC_{50} (rainbow trout 96 hr.) = 3.3 mg/l; non-toxic to bees. *BASF Corp.; Shell.*

1753 Flamprop-M-isopropyl (L-)

57973-67-8 G P



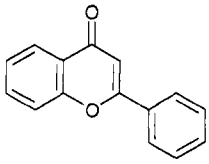
$C_{19}H_{19}ClFNO_3$

N-Benzoyl-N-(3-chloro-4-fluorophenyl)-L-alanine isopropyl ester.

EINECS 261-051-4; Isopropyl N-benzoyl-N-(3-chloro-4-fluorophenyl)-L-alaninate. Herbicide. Used for control of wild oats in cereal crops. Crystals; mp - 72 - 75°; soluble in H_2O (0.001 g/100 ml), Me_2CO (> 40 g/100 ml), cyclohexanone (68 g/100 ml), EtOH (15 g/100 ml), xylene (≅50 g/100 ml), C_6H_{14} (0.6 g/100 ml); LD_{50} (rat, mus orl) > 4000 mg/kg, (rat der) > 1600 mg/kg, (rat ip) > 1200 mg/kg, (domestic fowl orl) > 2000 mg/kg; LC_{50} (rainbow trout 96 hr.) = 3.3 mg/l; non-toxic to bees. *BASF Corp.; Shell.*

1754 Flavone

525-82-6 4120 G



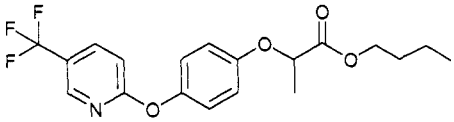
$C_{15}H_{10}O_2$

2-phenylbenzopyran-4-one.

5-17-10-00552 (Beilstein Handbook Reference); Asmacoril; 4H-1-Benzopyran-4-one, 2-phenyl-; BRN 0157598; CCRIS 4288; Chromocor; Cromaril; Cromarile; EINECS 208-383-8; Flavone; NSC 19028; 2-Phenyl-4-benzopyron; 2-Phenyl-4H-1-benzopyran-4-one; 2-Phen-yl-γ-benzopyrone; Phenylchromone; 2-Phenylchromone; 2-Phenyl-4-chromone; 2-Phenyl-4H-chromen-4-on. One of a group of flavonoid plant pigments existing as colorless needles, insoluble in water and melting at about 100°. The flavones produce ivory and yellow colors in plants and flowers. Needles; mp = 100°; λ_m = 250, 350 nm (ε = 12589, 15849, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$, ligroin; LD_{50} (mus orl) = 2500 mg/kg.

1755 Fluazifop-butyl

69806-50-4 4142 G P



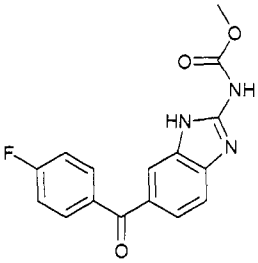
$C_{19}H_{20}F_3NO_4$

2-[4-[[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid butyl ester.

BRN 1510062; (±)-Butyl-2-(4-(((5-trifluoro-methyl)-2-pyridinyl)oxy)phenoxy)propanoate; Butyl (RS)-2-(4-((5-(tri-fluoromethyl)-2-pyridinyl)oxy)phenoxy)propanoate; Butyl 2-(4-(5-trifluoromethyl-2-pyridinyloxy)phenoxy)propan-oate; Butyl 2-(4-(5-trifluoromethyl-2-pyridyloxy)phenoxy)-propionate; Caswell No. 460C; EPA Pesticide Chemical Code 122805; Fluazifop butyl ester; Fluazifop butyl; Fusilade; Hache uno super; Halokon; HSDB 6644; IH 773B; Onecide; Onecide EC; PP 009; Propanoic acid, 2-(4-((5-(trifluoromethyl)-2-pyridinyl)oxy)phenoxy)-, butyl ester; Propionic acid, 2-(p-((5-(trifluoromethyl)-2-pyridyl)oxy)phenoxy)-, butylester; SL-236; TF 1169; 2-(4-((5-(Trifluoromethyl)-2-pyridinyl)oxy)phenoxy)propanoic acid butylester; TS-7236. Used for grass weed control for broad-leaved crops. Registered by EPA as a herbicide (cancelled). Straw-colored liquid; mp = 13°; $bp_{0.5}$ = 170°; sg^{20} = 1.21; poorly soluble in H_2O (0.0002 g/100 ml), soluble in Me_2CO, cyclohexanone, C_6H_{14}, MeOH, CH_2Cl_2, xylene; LD_{50} (rat orl) = 3328 mg/kg, (mmus orl) = 1490 mg/kg, (fmus orl) = 1770 mg/kg, (mgpg orl) ▫ 2659 mg/kg, (rbt orl) = 621 mg/kg, (rat der) > 6050 mg/kg, (rbt der) >2420 mg/kg, (rat ip) = 1761 mg/kg, (mallard duck orl) > 17000 mg/kg; LC_{50} (mallard duck dietary 5 day) > 25000 mg/kg diet (ring-necked pheasant dietary 5 day) > 18500 mg/kg diet; LC_{50} (rainbow trout 96 hr.) = 1.37 mg/l, (mirror carp 96 hr.) = 1.31 mg/lg, (bluegill sunfish 96 hr.) ▫ 0.53 mg/lg, low toxicity towards bees. *Dow UK; ICI Chem. & Polymers Ltd.; Ishihara Sangyo; Syngenta Crop Protection.*

1756 Flubendazole

31430-15-6 4144 D G V



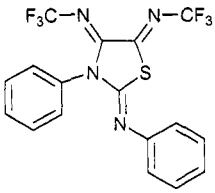
$C_{16}H_{12}FN_3O_3$

Methyl 5-(p-fluorobenzoyl)-2-benzimidazolecarbamate.

CCRIS 4480; EINECS 250-624-4; Flubendazol; Flubendazole; Flubendazolum; Flubenol; Flumoxal; Flumoxane; Fluvermal; NSC 313680; R 17,889. Anthelmintic; antiprotozoal. Used in veterinary medicine. mp = 260°; LD_{50} (mus, rat, gpg orl) > 2560 mg/kg. *Abbott Laboratories Inc.; Janssen Chimica.*

1757 Flubenzimine

37893-02-0 4145 G



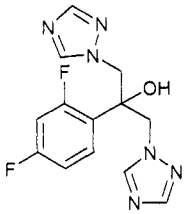
$C_{17}H_{10}F_6N_4S$

N-(3-Phenyl-4,5-bis((trifluoromethyl)imino)-2-thiazol-idinylidene)benzenamine.

BAY slj 0312; Benzenamine, N-(3-phenyl-4,5-bis((tri-fluoromethyl)imino)-2-thiazolidinylidene)-; BRN 24036-90; Cropotex®; (2Z,4E,5Z)-N2,3-Diphenyl-N4,N5-bis(tri-fluoromethyl)-1,3-thiazolidine-2,4,5-triylidene-triamine; EINECS 253-703-1; Flubenzimine; N-(3-Phenyl-4,5-bis((trifluoromethyl)imino)thiazolidin-2-ylidene)-aniline; N-(3-Phenyl-4,5-bis((trifluoromethyl)imino)-2-thiazolid-inylidene)benzenamine; SLJ 0312. Contact acaricide for control of spider mites on pome and stone fruit, plums, damsons, citrus fruit and citrus rust mites. *Bayer AG.*

1758 Fluconazole

86386-73-4 4148 D



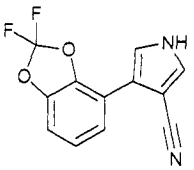
$C_{13}H_{12}F_2N_6O$

2,4-Difluoro-α,α-bis(1H-1,2,4-triazol-1-ylmethyl)benzyl alcohol.

Afungil; Alflucoz; Baten; Biocanol; Biozolene; Canzol; CCRIS 7211; Cryptal; Diflucan; Dimycon; DRG-0005; Elazor; Flucazol; Fluconazol; Fluconazole; Flucon-azolum; Flukezol; Flunizol; Fluzone; Forcan; Fungata; Mutum; Oxifugol; Pritenzol; Syscan; Triflucan; UK 49858; Zemyc; Zonal. Antifungal. Crystals; mp ■ 138-140°. *Roerig Div. Pfizer Pharm.*

1759 Fludioxonil

131341-86-1 4155 P



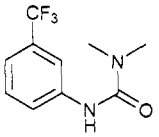
$C_{12}H_6F_2N_2O_2$

4-(2,2-Difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile.

CGA 100-TLO; CGA-173506; Fludioxonil; Maxim. Fungicide. Colorless crystals; mp = 199°; soluble in H_2O (0.000153 g/100 ml at 20°), Me_2CO (9.5 g/100 ml), cyclohexanone (16.9 g/100 ml), N-methylpyrrolidone (48 g/100 ml), MeOH (< 1.6 g/100 ml), CH_2Cl_2 (< 2.7 g/100 ml), C_7H_8 (< 17.2 g/100 ml), C_6H_{14} (< 13.2 g/100 ml); LD_{50} (rat orl) > 2000 mg/kg, (rat der) > 2000 mg/kg; LC_{50} (rat ihl 4 hr.) > 2.6 mg/l air; toxic to fish; non-toxic to bees. *Ciba-Geigy Corp.; Syngenta Crop Protection.*

1760 Fluometuron

2164-17-2 4180 H P



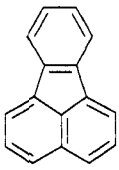
$C_{10}H_{11}F_3N_2O$

1,1-Dimethyl-3-(α,α,α-trifluoro-m-tolyl)urea.

BRN 2217354; C 2059; Caswell No. 460A; CCRIS 314; Ciba 2059; Cotogard; Cotoran; Cotoran multi 50WP; Cottonex; EINECS 218-500-4; EPA Pesticide Chemical Code 035503; Fluometuron; Herbicide C-2059; Higalcoton; HSDB 1721; Lanex; NCI-C08695; Pakhtaran. A flowable herbicide used to control annual grasses and broadleaf weeds in cotton and sugarcane. Fluometuron is a residual herbicide effective against a wide range of both annual broadleaf weeds and grasses. Registered by EPA as a herbicide. Crystals; mp = 163 - 164.5°; soluble in H_2O (0.0105 g/100 ml at 25°), MeOH (11 g/100 ml), Me_2CO (10.5 g/100 ml), CH_2Cl_2 (2.3 g/100 ml), n-octanol (2.2 g/100 ml), C_6H_{14} (0.017 g/100 ml); LD_{50} (rat orl) = 6416 - 8900 mg/kg, (rat der) > 2000 mg/kg, (rbt der) > 10000 mg/kg; LC_{50} (Japanese quail 8 day dietary) ■ 4620 mg/kg diet, (mallard duck 8 day dietary) = 4500 mg/kg diet, (ringneck pheasant 8 day dietary) = 3150 mg/kg diet; (rainbow trout 96 hr.) = 47 mg/l, (bluegill sunfish 96 hr.) ■ 96 mg/l, (catfish 96 hr.) = 55 mg/l, (crucian carp 96 hr.) ■ 170 mg/l; non-toxic to bees. *Agan Chemical Manufacturers; Agriliance Crop Nutrient; Agriliance LLC; Cedar Chemical Corp.; Griffin LLC; Helena Chemical Co.; Makhteshim-Agan; Micro-Flo Co. LLC; Syngenta Crop Protection.*

1761 Fluoranthene

206-44-0 G



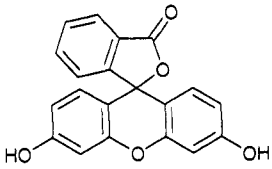
$C_{16}H_{10}$

Benzo(jk)fluorene.

1,2-Benzacenaphthene; Benzene, 1,2-(1,8-naphthylene)-; Benzene, 1,2-(1,8-naphthalenediyl)-; CCRIS 1034; EINECS 205-912-4; Fluoranthene; HSDB 5486; Idryl; 1,2-(1,8-Naphthalenediyl)benzene; 1,2-(1,8-Naphthylene)-benzene; NSC 6803; RCRA waste number U120. Used in chemical research. Crystals; mp = 109-111°; bp = 384°; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) ■ 2 gm/kg.

1762 Fluorescein

2321-07-5 4185 G



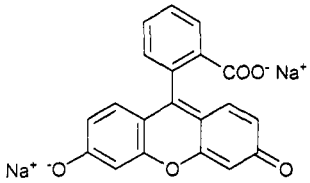
$C_{20}H_{12}O_5$

3',6'-Dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanth-en]-3-one.

11712 Yellow; 5-19-06-00456 (Beilstein Handbook Reference); Benzoic acid, 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)-; Benzoic acid, o-(6-hydroxy-3-oxo-3H-xanthen-9-yl)-; BRN 0094324; 9-(o-Carboxyphenyl)-6-hydroxy-3-isoxanthenone; 9-(o-Carboxyphenyl)-6-hydroxy-3H-xanthen-3-one; C.I. 45350:1; C.I. Solvent Yellow 94; CCRIS 7076; D & C Yellow no. 7; 3',6'-Dihydroxyfluoran; 3',6'-Dihydroxyspiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one; 3,6-Dihydroxyspiro-(xanthene-9,3'-phthalide); EINECS 219-031-8; Fluoran, 3',6'-dihydroxy-; 3,6-Fluorandiol; Fluorescein; Fluor-escein acid; Fluorescein Red; Fluoresceine; Hidacid fluorescein; HSDB 2128; 2-(6-Hydroxy-3-oxo-(3H)-xanthen-9-yl)benzoic acid; Japan Yellow No. 201; Resorcinolphthalein; Soap Yellow F; Solvent Yellow 94; Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; Yellow fluorescein; 3H-Xanthen-3-one, 9-(o-carboxyphenyl)-6-hydroxy-; Zlut kysela 73. Used to dye seawater for spotting purposes, as a tracer to locate impurities in wells, in dyeing silk and wool, as a diagnostic aid in ophthalmology, an indicator and a reagent for bromine. Crystals; mp = 314-316°; slightly soluble in H_2O, C_6H_6, $CHCl_3$, Et_2O, soluble in hot EtOH, AcOH, alkali hydroxides or carbonates. *EM Ind. Inc.; Greeff R.W. & Co.; Hilton Davis; Kraeber GmbH; U.S. BioChem.*

1763 Fluorescein disodium salt

518-47-8 4185 G



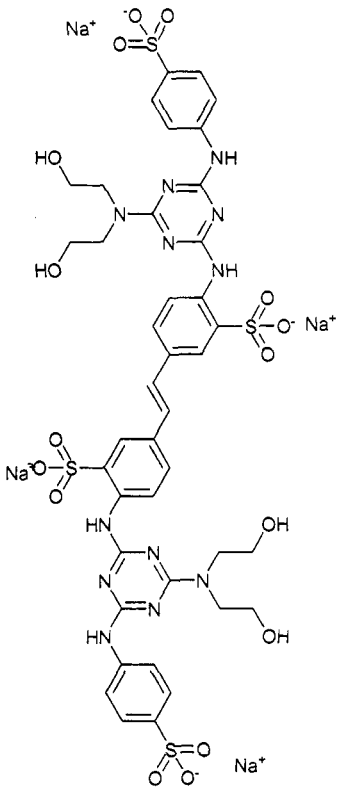
$C_{20}H_{10}Na_2O_5$

3',6'-Dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanth-en]-3-one disodium.

11824 Yellow; 12417 Yellow; Acid Yellow 73; Aizen uranine; Basacid Yellow 226; C.I. 45350; C.I. Acid Yellow 73; Calcocid uranine B4315; 9-o-Carboxyphenyl-6-hydroxy-3-isoxanthone, disodium salt; CCRIS 6239; Certiqual fluoresceine; CI 45350 (Na salt); D&C Yellow No. 8; 3',6'-Dihydroxyspiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, disodium salt; Disodium 6-hydroxy-3-oxo-9-xanthene-o-benzoate; Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate; EINECS 208-253-0; Fluor-I-Strip; Fluor-I-strip A.T.; Fluorescein disodium salt; Fluorescein LT; Fluorescein sodium; Fluorescein, soluble; Fluorescite; Flurenate; Fluress; Ful-Glo; Funduscein; Furanium; Hidacid uranine; Japan Yellow 202(1); NCI-C54706; Obiturine; Resorcinol phthalein sodium; Sodium fluorescein; Sodium fluoresceinate; Sodium salt of hydroxy-o-carboxy-phenyl-fluorone; Soluble fluorescein; Soluble Fluoresceine BPS; Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-, disodium salt; Uranin; Uranin A; Uranin S; Uranine; Uranine A; Uranine A Extra; Uranine O; Uranine SS; Uranine WSS; Uranine Yellow. Used to dye silk and wool yellow. Used as a diagnostic aid in corneal examination. mp = 314-316°; λ_m = 460, 493.5 nm; slightly soluble in H_2O, alcohols; LD_{50} (rat orl) = 6721 mg/kg. *Wyeth Laboratories.*

1764 Fluorescent whitening agent (stilbene-based)

16470-24-9 H



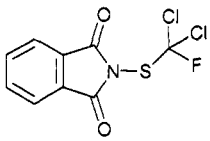
$C_{40}H_{40}N_{12}Na_4O_{16}S_4$

2,2'-Stilbenedisulfonic acid, 4,4'-bis((4-(bis(2-hydroxy-ethyl)amino)-6-(p-sulfoanilino)-s-triazin-2-yl)amino)-, tetrasodium salt.

Blancofor BBU; Blankophor BBU; C.I. Fluorescent Brightener 220; EINECS 240-521-2; Fluorescent Brightener 220; Fluorescent whitening agent (stilbene-based); Leucophor-U.

1765 Fluorfolpet

719-96-0 G P



$C_9H_4Cl_2FNO_2S$

N-(Fluordichloromethylthio) phthalimid.

N-(Dichlorofluoromethylthio)phthalimide; Dichloro-fluoromethyl)thio)phthalimide; EINECS 211-952-3; Fluorofolpet; Isoindole-1,3(2H)-dione, 2-((dichlorofluoro-methyl)thio)-; Preventol A3. Fungicide applied as a paint. *Bayer AG*

1766 Fluorine

7782-41-4 4189 G

F—F

F_2

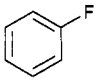
Fluorine.

Bifluoriden; EINECS 231-954-8; Fluor; Fluorine; Fluoro; Fluorures acide; Fluoruri acidi; HSDB 541; RCRA waste number P056; Saeure

fluoride; Säure fluoride; UN1045. Nonmetallic halogen element; Used in the production of metallic and other fluorides, fluorocarbons, fluoridating compounds for drinking water and toothpaste. Gas; mp ■ -219°; bp = -188.13°; d (liquid) = 1.5127; LD_{50} (rat ihl 1hr) = 185 ppm. *Air Prods & Chems; Allied Signal; Solvay Deutschland GmbH.*

1767 Fluorobenzene

462-06-6 4917 G H



C_6H_5F

Monofluorobenzene.

AI3-28560; Benzene, fluoro-; EINECS 207-321-7; Fluorobenzene; Monofluorobenzene; NSC 68416; Phenyl fluoride; UN2387. Intermediate in the manufacture of insecticides, larvicides and pharmaceuticals, identification reagent for plastic or resin polymers. Liquid; mp = -42.2°; bp = 84.7°; d^{20} = 1.0225; λ_m = 259 nm (ε = 513, H_2O); insoluble in H_2O, very soluble in C_6H_6, Et_2O, EtOH, ligroin; LD_{50} (rat orl) = 4399 mg/kg. *Hoechst Celanese; ICI Americas Inc.; Lancaster Synthesis Co.*

1768 Fluoroform

75-46-7 4200 G H

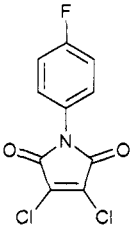
CHF_3

Trifluoromethane.

4-01-00-00024 (Beilstein Handbook Reference); Arcton 1; BRN 1731035; Carbon trifluoride; EINECS 200-872-4; FC 23 (fluorocarbon); Fluoroform; Fluoryl; Freon 23; Freon F-23; Freon R 23; Genetron-23; Halocarbon 23; HSDB 5207; Methane, trifluoro-; Methyl trifluoride; Propellant 23; R 23; Refrigerant 23; Trifluoromethane; UN1984; UN3136. Low temperature refrigerant replacing CFC-13 and R-503 in low stage of cascade systems. Used as a refrigerant, intermediate in organic synthesis, direct coolant for infrared detector cells and blowing agent for infrared foams. Gas; mp = -155.1°; bp = -82.1°; d^{25} = 0.673; soluble in organic solvents, less soluble in H_2O; non-toxic. *Allied Signal.*

1769 Fluoromide

41205-21-4 G P



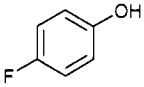
$C_{10}H_4Cl_2FNO_2$

3,4-Dichloro-1-(4-fluorophenyl)-1H-pyrrole-2,5-dione.

BRN 1534427; 2,3-Dichloro-N-4-fluorophenylmaleimide; 3,4-Dichloro-1-(4-fluorophenyl)-1H-pyrrole-2,5-dione; Fluoroimide; MK 23; N-p-Fluorophenyl-2,3-dichloro-maleimide; 1H-Pyrrole-2,5-dione, 3,4-dichloro-1-(4-fluorophenyl)-; Sparticide; Spat. Foliar fungicide with protective action. Used for control of scab, *Alternaria* leaf spot and powdery mildew in apples, scab of citrus fruit and coffee berry disease. Pale yellow crystals; mp ■ 240 - 242°; soluble in H_2O (0.00059 g/100 ml), MeOH (0.067 g/100 ml); LD_{50} (rat, mus orl) > 15000 mg/kg, (mus der) > 5000 mg/kg; LC_{50} (mrat ihl 4 hr.) = 0.57 mg/l air, (frat ihl 4 hr.) = 0.72 mg/l air, (pheasant 5 day dietary) > 27000 mg/kg diet, (carp 48 hr.) = 5 - 6 mg/l. *Mitsubishi Chem. Corp.*

1770 Fluorophenol

371-41-5 G



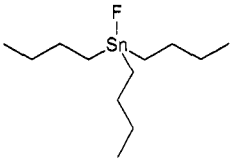
C_6H_5FO

p-Fluorophenol.

4-06-00-00773 (Beilstein Handbook Reference); BRN 1362752; CCRIS 665; EINECS 206-736-0; 4-Fluorophenol; NSC 10295; Phenol, 4-fluoro-; Phenol, p-fluoro-. Fungicide, intermediate for pharmaceuticals. mp = 48°; bp = 185.5°; d^{56} = 1.1889; λ_m = 211 nm (ε = 4169, cyclohexane); slightly soluble in H_2O, soluble in Me_2CO, petroleum ether. *ICI Americas Inc.; Lancaster Synthesis Co.; PCR.*

1771 Fluorotributyltin

1983-10-4 G P



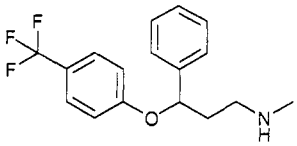
$C_{12}H_{27}FSn$

Tributyltin fluoride.

BioMeT TBTF; BRN 4125568; Caswell No. 867C; EINECS 217-847-9; EPA Pesticide Chemical Code 083112; Fluorotributylstannane; NSC 179737; NSC 195319; Stannane, fluorotributyl-; Stannane, tributylfluoro-; Tri-n-butylstannyl fluoride; Tin, tributyl-, fluoride; Tin, tributylfluoro-; Tributylfluorostannane; Tributylstannane fluoride; Tributyltin fluoride. Antifoulant used in marine paints. Registered by EPA as a fungicide (cancelled). Crystals; mp ■ 270° (dec). *Elf Atochem N. Am.; Fluka.*

1772 Fluoxetine

54910-89-3 4211 D



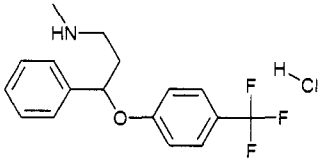
$C_{17}H_{18}F_3NO$

(±)-N-Methyl-3-phenyl-3-[(α,α,α-trifluoro-p-tolyl)oxy]-propylamine.

Animex-On; Benzenepropamine, N-methyl-γ-(4-(trifluoromethyl)phenoxy)-, (±)-; Benzenepropanamine, N-methyl-γ-(4-(trifluoromethyl)phenoxy)-, (±)-; Eufor; Flu-oxetina; Fluoxetine; Fluoxetinum; HSDB 6633; (+) or (-)-N-Methyl-3-phenyl-3-((α,α,α-trifluoro-p-tolyl)oxy)propyl-amine; (±)-N-Methyl-3-phenyl-3-((α,α,α-trifluoro-p-tolyl)-oxy)propylamine; (+) or (-)-N-Methyl-γ-(4-(trifluoro-meth-yl)phenoxy)benzenepropanamine; (±)-N-Methyl-γ-(4-(trifluoromethyl)phenoxy)benzenepropanamine; N-Methyl-3-(p-trifluoromethylphenoxy)-3-phenylpropyl-amine; Por-tal; Prozac; Pulvules; dl-3-(p-Trifluoro-methylphenoxy)-N-methyl-3-phenylpropylamine. Antidepressant. Serotonin uptake inhibitor. *C.M.*

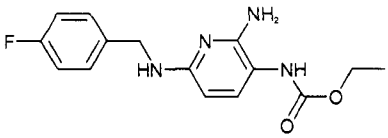
Ind.; Eli Lilly & Co.

1773 **Fluoxetine hydrochloride**
56296-78-7 D



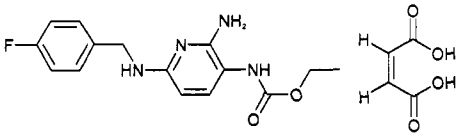
$C_{17}H_{19}ClF_3NO$
(±)-N-Methyl-3-phenyl-3-[(α,α,α-trifluoro-p-tolyl)oxy]propylamine hydrochloride.
Adofen; Affectine; Alzac 20; Ansilan; CCRIS 6150; Deproxin; EINECS 260-101-2; Erocap; Fluctin; Fluctine; Fludac; Flufran; Flunil; Fluox-Puren; Fluoxac; Fluoxeren; Fluoxetine hydrochloride; Fluoxil; Flutin; Flutine; Fluxen; Fluxil; Fontex; Foxetin; Lilly 110140; Lorien; Lovan; LY 110140; Margrilan; Modipran; Neupax; Nopres; Nuzak; Oxedep; Pragmaten; Prizma; Proctin; Prodep; Prozac; Prozac 20; Reneuron; Rowexetina; Sanzur; Sinzac; Zactin; Zepax. Serotonin uptake inhibitor. Antidepressant. Crystals; mp = 158-159°; slightly soluble in H_2O (1-2 mg/ml), ethyl acetate, toluene, $CHCl_3$, C_6H_{14} (0.5-0.77 mg/ml); soluble in MeOH, ETOH (>100 mg/mg), acetonitrile (33-100 mg/ml), C_6H_6; λ_m = 227, 264, 268, 275 nm ($E^{1\%}_{cm}$ 372, 29,29,22 MeOH); LD_{50} (rat orl) ☎ 452 mg/kg. *C.M. Ind.; Eli Lilly & Co.*

1774 **Flupirtine**
56995-20-1 4216 G D



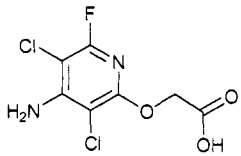
$C_{15}H_{17}FN_4O_2$
[2-Amino-6-[[(4-fluorophenyl)methyl]amino]-3-pyr-idinyl]carbamic acid ethyl ester.
D-9998; EINECS 260-503-8; Flupirtine; Flupirtino; Flupirtinum; Katadolon. Substituted pyridine with central analgesic properties. Analgesic (CNS). Crystals; mp = 115-116°; LD_{50} (mus orl) = 617 mg/kg, (rat orl) = 1660 mg/kg. *Carter-Wallace; Degussa AG; Degussa-Hüls Corp.*

1775 **Flupirtine maleate**
75507-68-5 4216 G D



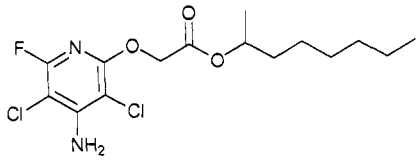
$C_{15}H_{17}FN_4O_2.C_4H_4O_4$
[2-Amino-6-[[(4-fluorophenyl)methyl]amino]-3-pyridin-yl]carbamate maleate (1:1).
EINECS 278-225-0; Flupirtine maleate; Katadolon; W 2964M. Analgesic (CNS). Crystals; mp = 175.5-176°. *Carter-Wallace; Degussa AG; Degussa-Hüls Corp.*

1776 **Fluroxypyr**
69377-81-7 4229 G P



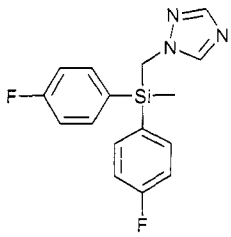
$C_7H_5Cl_2FN_2O_3$
[(4-Amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid.
Acetic acid, ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)-oxy)-; Advance; ((4-Amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid; 4-Amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid; Dowco 433; EF 689; FF4014; Fluroxypyr; HSDB 6655; Starane. Selective systemic herbicide. Used for post-emergence control of broad-leaved weeds such as *Galium aparine and Stella media* and some deep-rooted perennial weeds. Used in wheat, barley and oats. Registered by EPA as a herbicide. Colorless crystals; mp ☎ 232 - 233°; soluble in H_2O (0.0091 g/100 ml), Me_2CO (6.5 g/100 ml), MeOH (4.4 g/100 ml), EtOAc (1.2 g/100 ml), i-PrOH (1.2 g/100 ml), CH_2Cl_2 (0.01 g/100 ml), C_7H_8 (0.1 g/100 ml), xylene (0.03 g/100 ml); LD_{50} (rat orl) ☎ 2405 mg/kg, (rbt dr) > 5000 mg/kg, (mallard duck, bobwhite quail orl) > 2000 mg/kg, (bee 48 hr) > 0.1 mg/bee; LC_{50} (rat ihl 4 hr.) > 0.296 mg/l air, (rainbow trout, golden orfe 96 hr.) > 100 mg/l; non-toxic to bees. *Dow AgroSciences; DowElanco Ltd.*

1777 **Fluroxypyr-meptyl**
81406-37-3 4229 G P



$C_{15}H_{21}Cl_2FN_2O_3$
1-Methylheptyl ((4-amino-3,5-dichloro-6-fluoropyridin-2-yl)oxy)acetate.
Dowco 433; EINECS 279-752-9; Fluroxypyr-(1-methylheptyl); Fluroxypyr 1-methylheptyl ester; Fluroxypyr meptyl; Starane; Starane 2; Starane 250; XRM 5084. Herbicide. Colorless crystals; mp = 56 - 57°; soluble in H_2O (0.00009 g/100 ml), Me_2CO (87 g/100 ml), MeOH (47 g/100 ml), EtOAc (79 g/100 ml), CH_2Cl_2 (90 g/100 ml), C_7H_8 (74 g/100 ml), xylene (64 g/100 ml), C_6H_{14} (4.5 g/100 ml); LD_{50} (rat orl) = 5000 mg/kg, (rat, rbt der) > 2000 mg/kg, (mallard duck, bobwhite quail orl) > 2000 mg/kg, (bee) > 0.1 mg/bee; LC_{50} (rainbow trout, golden orfe 96 hr.) > 0.7 mg/l; non-toxic to bees. *DowElanco Ltd.*

1778 **Flusilazole**
85509-19-9 4232 G P



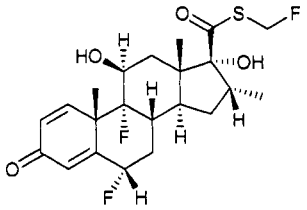
$C_{16}H_{15}F_2N_3Si$

1-[[Bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-tri-azole.

BRN 5824097; Caswell No. 419K; DPX 6573; DPX-H 6573; EPA Pesticide Chemical Code 128835; Flusilazol; Flusilazole; Fluzilazol; Nustar; Olymp; Punch; Sanction. Foliar, systemic fungicide with protective and curative action. Used to control *Ascomycetes, Basdiomycetes and Deuteromycetes* in cereals, apples, vines and sugar beet. Colorless crystals; mp = 53°; soluble in H_2O (0.0054 g/100 ml at 20°, pH 7.2, 0.09 g/100 ml at 20°, pH 1.1), readily soluble (>200 g/100 ml) in common organic solvents; LD_{50} (mrat orl) = 1100 mg/kg, (frat orl) = 674 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) > 1590 mg/kg, (bee) > 0.15 mg/bee; LC_{50} (rainbow trout 96 hr.) = 1.2 mg/l, (bluegill sunfish 96 hr.) = 1.7 mg/l, (*Daphnia* 48 hr.) = 3.4 mg/l; non-toxic to bees. *DuPont.*

1779 Fluticasone

90566-53-3 D



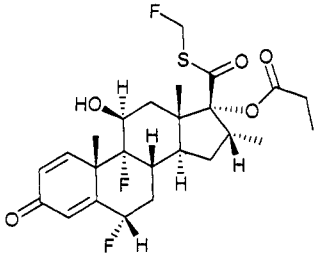
$C_{25}H_{31}F_3O_5S$

S-Fluoromethyl 6α,9-difluoro-11β,17-dihydroxy-16α-methyl-3-oxoandrosta-1,4-diene-17β-carbothioic acid.

Fluticasona; Fluticasone; Fluticasonum. Derivative of flumethasone. Antiallergic; anti-inflammatory. *Glaxo Labs.*

1780 Fluticasone propionate

80474-14-2 4237 D



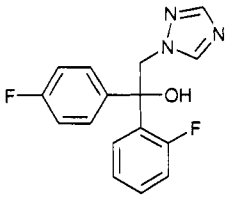
$C_{22}H_{27}F_3O_4S$

S-Fluoromethyl 6α,9-difluoro-11β,17-dihydroxy-16α-methyl-3-oxoandrosta-1,4-diene-17β-carbothioate 17-propionate.

Asmatil; Atemur; Axotide; Brethal; CCI 18781; Cutivate; Flixonase; Flixonase Nasal Spray; Flixotide; Flixotide Inhaler; Flonase; Flovent; Fluinol; Flunase; Flusonal; Fluspiral; Fluticasone; Fluticasone propionate; Fluticasonpropionat Allen; Flutide; Flutivate; Inalacor; Rinosone; Trialona; Ubizol; Zoflut. Antiallergic; anti-inflammatory. Crystals; mp = 272-273° (dec); $[\alpha]_D$ = +30° (c = 0.35). *Glaxo Labs.*

1781 Flutriafol

76674-21-0 4240 G P



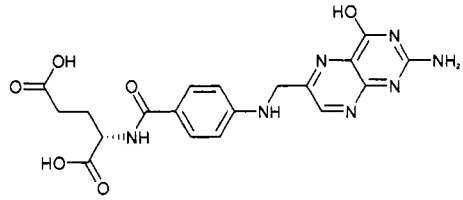
$C_{16}H_{13}F_2N_3O$

(±)-α-(2-Fluorophenyl)-α-(4-fluorophenyl)-1H-1,2,4-tri-azole-1-ethanol.

(RS)-2,4'-Difluoro-α-(1H-1,2,4-triazol-1-ylmethyl)benz-hydryl alcohol; α-(2-Fluorophenyl)-α-(4-fluorophenyl)-1H-1,2,4-triazole-1-ethanol; Flutriafol; Flutriafol; Flutriafol; Impact (pesticide); PP 450; R 152450; 1H-1,2,4-Triazole-1-ethanol, α-(2-fluorophenyl)-α-(4-fluoro-phenyl)-; 1H-1,2,4-Triazole-1-ethanol, α-(2-fluoro-phenyl)-α-(4-fluorophenyl)-; Flutriafol; Impact (pesticide); PP 450; R 152450. Fungicide. Colorless crystals; mp = 130°; soluble in H_2O (0.013 g/100 ml at 20°, pH 7), Me_2CO (19 g/100 ml), CH_2Cl_2 (15 g/100 ml), MeOH (7 g/100 ml), xylene (1.2 g/100 ml), C_6H_{14} (0.03 g/100 ml); LD_{50} (mrat orl) = 1140 mg/kg, (frat orl) = 1480 mg/kg, (rat der) > 1000 mg/kg, (rbt der) > 2000 mg/kg, (fmallard duck orl) > 5000 mg/kg, (bee orl) > 0.005 mg/bee; LC_{50} (rainbow trout 96 hr.) = 61 mg/l, (*Daphnia* 48 hr.) = 78 mg/l; toxic to bees. *ICI Agrochemicals; Syngenta Crop Protection.*

1782 Folic acid

59-30-3 4247 D G



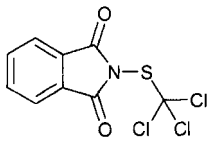
$C_{19}H_{19}N_7O_6$

N-[p-[[(2-Amino-4-hydroxy-6-pteridinyl)methyl]amino]-benzoyl]-L-glutamic acid.

Acfol; Acide folique; Acido folico; Acidum folicum; Acifolic; AI3-26387; Antianemia factor; CCRIS 666; Cytofol; EINECS 200-419-0; Facid; Factor U; Folacid; Folacin; Folaemin; Folan; Folasic; Folate; Folbal; Folcidin; Folcysteine; Foldine; Folettes; Foliamin; Folic acid; Folicet; Folico; Folina; Folipac; Folsan; Folsaure; Folsav; Folvite; HSDB 2002; Incafolic; Kyselina listova; Liver Lactobacillus casei factor; Millafol; Mission Prenatal; Mittafol; Nifolin; Novofolacid; NSC 3073; PGA; Plastulen-N.; Pteglu; Pteroylglutamic acid; Pteroylmono-glutamate; Pteroylmonoglutamic acid; USAF CB-13; Vitamin B_9; Vitamin B_{11}; Vitamin Bc; Vitamin Be; Vitamin M.; component of: Mission Prenatal, Plastulen-N. Vitamin, vitamin source. Considered a member of the vitamin B complex; used in medicine, nutrition, and as a food additive. Used as a vitamin (hematopoietic) and nutritional factor. White solid; mp > 250°; $[\alpha]_D^{25}$ = 23° (c = 0.5 in 0.1N NaOH); λ_m = 256, 283 368 nm (log ε 4.43, 4.40, 3.96 pH 13); slightly soluble on H_2O (0.00016 g/100 ml at 20°, 1 g/100 ml at 100°), MeOH; less soluble in EtOH, BuOH; insoluble in $CHCl_3$, Me_2CO, Et_2O, C_6H_6. *Bristol-Myers Squibb Pharm. R&D; Lederle Labs.; Mission Pharmacal Co.*

1783 Folpet

133-07-3 4250 G P



$C_9H_4Cl_3NO_2S$

N-(Trichloromethylthio)phthalimide.

5-21-11-00118 (Beilstein Handbook Reference); Acryptan; AI3-26539; BRN 0193373; Caswell No. 464; CCRIS 1036; Cosan I; EINECS 205-088-6; ENT 26539; EPA Pesticide Chemical Code 081601; Faltan; Faltex; Folnit; Folpan; Folpel; Folpet; Ftalan; Fungitrol; Fungitrol 11; Fungitrol II; HSDB 2651; Intercide TMP; Murphy's rose fungicide; Ortho phaltan 50W; Orthophaltan; Phaltan; Phthalimide, N-((trichloromethyl)thio)-; Phthaltan; Spolacid; Thiophal; Trichlormethylthioimid kyseliny ftalove; Trichloromethylthiophthalimide; Troysan anti-mildew O; Vinicoll. Agricultural fungicide. Used for control of downy mildews, powdery mildews, leaf spot diseases, scab, etc. in fruit and vegetable crops.Registered by EPA as a fungicide. Colorless crystals; mp = 177°; insoluble in H_2O (< 0.0001 g/100 ml at 25°), slightly soluble in organic solvents; $CHCl_3$ (8.7 g/100 ml), C_6H_6 (2.2 g/100 ml), i-PrOH (1.25 g/100 ml); LD_{50} (rat orl) > 10000 mg/kg, (rbt der) > 22600 mg/kg, (mallard duck orl) = 2000 mg/kg; toxic to fish; non-toxic to bees. *Bayer Corp., Agriculture; Makhteshim Chemical Works Ltd.; Monsanto (Solaris); Sherwin-Williams Co.*

1784 Foral 85

8050-31-5 H

Gum rosin, glyceryl ester.

Disproportionated rosin, glycerol ester; EINECS 232-482-5; Ester gum; Foral 85; Glycerol ester of rosin; Glycerol ester of disproportionated rosin; Glycerol, rosin polymer; Gum rosin, glyceryl ester; Resin acids and Rosin acids, esters with glycerol; Rosin, glycerin ester; Rosin, glycerine ester; Rosin, glycerol ester.

1785 Formal glycol

646-06-0 H

$C_3H_6O_2$

1,3-Dioxacyclopentane.

CCRIS 4912; 1,3-Dioxacyclopentane; Dioxolan; 1,3-Dioxolan; Dioxolane; 1,3-Dioxolane; 1,3-Dioxole, dihydro-; EINECS 211-463-5; Ethylene glycol formal; Formal glycol; Glycol formal; Glycol methylene ether; Glycolformal; HSDB 5737; UN1166. Liquid; mp = -95°; bp = 78°; d^{20} = 1.060; freely soluble in H_2O, soluble in EtOH, Et_2O, Me_2CO.

1786 Formaldehyde

50-00-0 4259 G

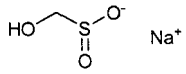
CH_2O

Methanal.

AI3-26806; Aldehyd mravenci; Aldehyde C1; Aldehyde formique; Aldeide formica; BFV; Caswell No. 465; CCRIS 315; Dormol; EINECS 200-001-8; EPA Pesticide Chemical Code 043001; Fannoform; Formaldehyd; Formaldehyde; Formalin; Formalin 40; Formalin-lösungen; Formalin-loesungen; Formalina; Formaline; Formalith; Formic aldehyde; Formol; FYDE; Hercules® 37M6-8; HSDB 164; Karsan; Lysoform; Methaldehyde; Methanal; Methyl aldehyde; Methylene oxide; Morbicid; NCI-C02799; NSC 298885; Oplossingen; Oxomethane; Oxymethylene; Paraform; RCRA waste number U122; Superlysoform; UN 1198; UN 2209. Used in urea and melamine resins, polyacetal resins, phenolic resins, fertilizers, preservatives, reducing agent, corrosive inhibitor. Used in manufacture of synthetic resins by reaction with phenols, urea, melamines for molded goods, electrical insulation, binders, plywood adhesives, varnishes, wet-strength resins for paper and textiles. A formalin preparation is used as an antimicrobial and antiseptic. A soil sterilant and fumigant for glass houses. A solution of formaldehyde in alcoholic potash soap solution; a disinfectant much like Lysol. Registered by EPA as an antimicrobial and fungicide. FDA approved for topicals, BP compliance (solutions). Used as an antimicrobial in biologics, topicals, hepatitis B vaccine, sterilizer for kidney dialysis membranes. Colorless gas; mp = -92°; bp = -19.5°; soluble in water, alcohol, ether. LD_{50} (rat orl) = 550 - 800 mg/kg (formalin); TLV = 1 ppm in air, (rbt der) = 270 mg/kg (formalin); LC_{50} (rat ihl 0.5 hr.) = 0.82 mg/l air; toxic to fish. *Aqualon; Baker Petrolite Corp.; Champion Technologies Inc; DuPont; E. I. DuPont de Nemours Inc.; Farleyway Chem. Ltd.; Georgia Pacific Resins; Georgia Pacific; Hess & Clark Inc.; Hoechst Celanese; Mallinckrodt Inc.; Mitsubishi Gas; Monsanto Co.; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Vineland Lab.*

1787 Formaldehyde sodium sulfoxylate

149-44-0 8693 G H



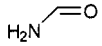
CH_3NaO_3S

Hydroxymethanesulfinic acid sodium salt.

AI3-23202; Aldanil; Bleachit D; Discolite; EINECS 205-739-4; Formapon; Formopan; HSDB 5648; Hyraldite C Ext; Hydrolit; Hydrosulfite AWC; Hydroxymethanesulfinic acid sodium salt; Hydroxymethansulfinsaeure, natrium-salz; Leptacid; Leptacit; NSC 4847; Oxymethan-sulfinsaeuren natrium; Redol C; Rodite; Rongalit; Rongalit C; Rongalite; Rongalite C; Sodium formaldehyde sulfoxylate; Sodium hydroxymethanesulfinate; Sodium hydroxymethanesulphinate; Superlite C. Used as a reducing agent in calico printing, in textile printing, emulsion polymerization; treatment of mercury poisoning. Crystals; mp = 63-64°; soluble in water; insoluble in EtOH, Et_2O, C_6H_6; LD_{50} (mus, sc) = 4.0 g/kg.

1788 Formamide

75-12-7 4261 G H



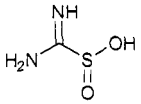
CH_3NO

Formic acid amide.

AI3-15357; Amid kyseliny mravenci; Carbamaldehyde; CCRIS 6240; EINECS 200-842-0; Formamide; Formic acid, amide; Formimidic acid; HSDB 88; Methanamide; Methanoic acid, amide; NSC 748. Solvent, softener, intermediate in organic synthesis. Liquid; mp = 2.55°; bp = 220°; d^{20} = 1.1334; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 5570 mg/kg. *BASF Corp.; Fluka; Penta Mfg.; Sigma-Aldrich Fine Chem.*

1789 Formamidine sulfinic acid

1758-73-2 G



$CH_4N_2O_2S$

Thiourea dioxide.

AIMSA; Aminoiminomethanesulfinic acid; Aminoiminomethanesulphinic acid; EINECS 217-157-8; Formamidine sulfinic acid; Formamidinesulfinic acid; Manofast; Methanesulfinic acid, aminoimino-; NSC 34540; NSC 226979; Thiourea dioxide; Thiourea S,S-dioxide. Reducing agent for dyes. Used in organic synthesis to reduce ketones to secondary alcohols. Solid; mp = 126° (dec); soluble in H_2O (3.0 g/100 ml). *Allchem Ind.; Cia-Shen; Degussa AG; Rhone-Poulenc UK.*

1790 Formic acid

64-18-6 4265 G H P

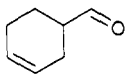
CH_2O_2

Methanoic acid.

Acide formique; Acido formico; Add-F; AI3-24237; Ameisensäure; Ameisensaeure; Aminic acid; Bilorin; C1 acid; CCRIS 6039; Collobueglatt; Collo-didax; EINECS 200-579-1; EPA Pesticide Chemical Code 214900; FEMA No. 2487; Formic acid; Formira; Formisoton; Formylic acid; HSDB 1646; Hydrogen carboxylic acid; Kwas metaniowy; Kyselina mravenci; Methanoic acid; Mierenzuur; Myrmicyl; RCRA waste number U123; Spirit of formic acid; UN1779. Reducing agent, used in dyeing and finishing of textiles, leather treatment, chemical manufacturing, manufacture of fumigants, insecticides, refrigerants, solvents for perfumes, lacquers; electroplating; silvering glass; ore flotation. Registered by EPA as an insecticide. Used as a miticide. Colorless liquid; mp = 8.3°; bp = 101°; d^{20} = 1.220; pKa = 3.75; viscosity = 1.784 cP at 20°; freely soluble in H_2O, Et_2O, Me_2CO, EtOAc, MeOH, EtOH, partially soluble in C_6H_6, C_7H_8, xylene; LD_{50} (mus ori) = 1100 mg/kg, (mus iv)= 145 mg/kg. *BASF AG; BP Chem.; Hoechst Celanese; Lancaster Synthesis Co.; Mallinckrodt Inc.; Norsk Hydro AS; Sigma-Aldrich Co.; Sigma-Aldrich Fine Chem.*

1791 4-Formylcyclohexene

100-50-5 H



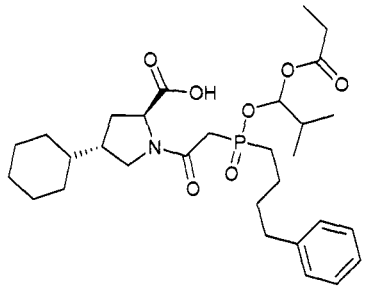
$C_7H_{10}O$

3-Cyclohexene-1-carboxaldehyde.

AI3-21661; BRN 0774001; 3-Cyclohexene-1-carbox-aldehyde; Cyclohex-3-ene-1-carbaldehyde; Cyclohexene-4-carboxaldehyde; Δ^1-Tetrahydrobenzaldehyde; EINECS 202-858-3; HSDB 5334; NSC 16241; UN2498. Liquid; mp = 1°; bp = 105°; d^{20} = 0.9692; slightly soluble in CCl_4, soluble in MeOH, Me_2CO.

1792 Fosinopril

98048-97-6 4279 D



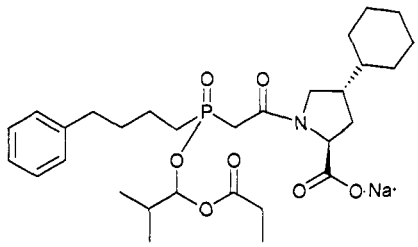
$C_{30}H_{46}NO_7P$

(4S)-4-Cyclohexyl-1-[[(R)-[(S)-1-hydroxy-2-methyl-propoxy](4-phenylbutyl)phosphinyl]acetyl-L-proline propionate (ester).

Fosenopril; Fosinopril; L-Proline, 4-cyclohexyl-1-(((2-methyl-1-(1-oxopropoxy)propoxy)(4- phenylbutyl)phos-phinyl)acetyl)-, (1(S*(R*)),2α,4β)-. An angiotensin-converting enzyme inhibitor used as an antihypertensive. [diacid (SQ-27519)]; mp = 149-153°; $[\alpha]_D$= -24° (c = 1 MeOH). *Squibb E.R. & Sons.*

1793 Fosinopril sodium

88889-14-9 4279 D



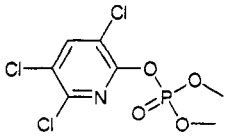
$C_{30}H_{45}NNaO_7P$

(4S)-4-Cyclohexyl-1-[[(R)-[(S)-1-hydroxy-2-methyl-propoxy](4-phenylbutyl)phosphinyl]acetyl-L-proline propionate (ester) sodium salt.

Acecor; Acenor-M; Dynacil; Eliten; Fosinil; Fosinopril sodium; Fosinorm; Fosipres; Fositen; Fositens; Foziretic; Fucithalmic; Hiperlex; Monopril; Newace; Sapril; Secorvas; SQ 28555; Staril; Tenso Stop; Tensogard. Angiotensin-converting enzyme inhibitor. Anti-hypertensive. *Mead Johnson Labs.; Mead Johnson Pharmaceuticals.*

1794 Fospirate

5598-52-7 4281 G P



$C_7H_7Cl_3NO_4P$

Dimethyl-(3,5,6-trichloro-2-pyridyl) phosphate.

AI3-27521; BRN 1541077; Caswell No. 465CC; Chlorpyrifos-methyl oxon; Dimethyl 3,5,6-trichloro-2-pyridyl phosphate; Dimethyl-3,5,6-trichlor-2-pyridyl-fosfat; O,O-Dimethyl O-(3,5,6-trichloro-2-pyridyl) phos-phate; Dowco 217; ENT 27521; EPA Pesticide Chemical Code 103501; Fospirat; Fospirate; Fospirate methyl; Fospirato; Fospiratum; NSC 195058; OMS 1168; Phosphoric acid, dimethyl 3,5,6-trichloro-2-pyridyl ester; Phosphoric acid, dimethyl 3,5,6-trichloro-2-pyridinyl ester; Torelle; Dimethyl 3,5,6-trichloro-2-pyridyl phosphate; O,O-Dimethyl O-(3,5,6-trichloro-2-pyridyl) phosphate;

Dowco 217; ENT 27521; EPA Pesticide Chemical Code 103501; Fospirat; Fospirate; Fospirate methyl; Fospirato; Fospiratum; NSC 195058; OMS 1168; Phosphoric acid, dimethyl 3,5,6-trichloro-2-pyridyl ester; Torelle. Anthelmintic. Registered by EPA as an insecticide (cancelled). Crystals; mp = 86.5 - 88°. *Dow AgroSciences; Dow UK.*

1795 Fremy's salt

7789-29-9 7692 G

K^+ F^- HF

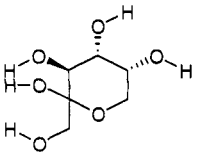
F_2HK

Potassium hydrogen fluoride.

Bifluorure de potassium; EINECS 232-156-2; Fremy's salt; Hydrogen potassium fluoride; Potassium acid fluoride; Potassium bifluoride; Potassium fluoride ($K(HF_2)$); Potassium hydrogen difluoride; Potassium hydrogen fluoride; Potassium hydrogendifluoride; Potassium monohydrogen difluoride; UN1811. Used as an electrolyte and in manufacture of frosted glass. Also as a flux for silvr solders and as an organic catalyst. Crystals; mp = 238°; d = 2.37; soluble in H_2O (39 g/100 ml).

1796 Fructose

57-48-7 4295 D G



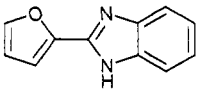
$C_6H_{12}O_6$

D-(-)-Levulose.

AI3-23514; Arabino-Hexulose; CCRIS 3335; EINECS 200-333-3; Fructose; Fructose, D-; D-Fructose; D-(-)-Fructose; Fructose, pure; Fructose solution; Fruit sugar; Furucton; Hi-Fructo 970; Krystar 300; Levulose; Nevulose; Sugar, fruit. D-fructose, sugar occurring in fruit and honey; Used as a sweetener in food stuffs, medicine, and as a preservative. Prisms; dec 103 - 105°; mutarotates, $[\alpha]_D^{20}$= -132°→ -92° (c = 2); soluble in H_2O, EtOH (6.7 g/100 ml), MeOH (7.1 g/100 ml), Me_2CO, C_5H_5N, methylamine, ethylamine. *Am. Maize Products; Corn Products; Laevosan GmbH; Pfanstiehl Labs Inc.; Staley, A. E. Mfg.*

1797 Fuberidazole

3878-19-1 G P



$C_{11}H_8N_2O$

2-(2-Furanyl)-1H-benzimidazole.

B-33172; BAY 33172; Benzimidazole, 2-(2-furyl)-; 1H-Benzimidazole, 2-(2-furanyl)-; Fuberidatol; Fuberidazol; Fuberidazole; Fuberisazol; Fubridazole; 2-(2-Furanyl)-1H-benzimidazole; Furidazol; Furidazole; 2-(2-Furyl)benzi-midazole; NSC 72670; Voronit; Voronite; W VII/117. Systemic fungicide used as a seed treatment for control of *Fusarium* spp. in cereals. Crystals; mp = 284 - 288° (dec); soluble in H_2O (0.0078 g/100 ml), i-PrOH (3.9 g/100 ml), C_7H_8 (0.8 g/100 ml), CH_2Cl_2 (≅1.3 g/100 ml), petroleum ether (≅0.7 g/100 ml); LD_{50} (rat ori) = 500 mg/kg, (mus ori) = 825 mg/kg, (rat der) > 1000 mg/kg, (rat ip) = 100 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.3 mg/l air; (mosquito fish, *Poecilia latipinna* 96 hr.) > 1 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp., Agriculture.*

1798 Fuel gases, producer gas

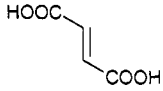
8006-20-0 H

Fuel gases, producer gas.

EINECS 232-344-4; Fuel gases, low and medium B.T.U.; Fuel gases, producer gas; Gas, producer.

1799 Fumaric acid

110-17-8 4308 G H



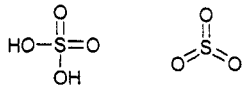
$C_4H_4O_4$

2-Butenedioic acid (2E)-.

4-02-00-02202 (Beilstein Handbook Reference); AI3-24236; Allomaleic acid; Allomalenic acid; Boletic acid; BRN 0605763; Butenedioic acid, (E)-; 2-Butenedioic acid, (E)-; trans-Butenedioic acid; Caswell No. 465E; CCRIS 1039; EINECS 203-743-0; EPA Pesticide Chemical Code 051201; 1,2-Ethenedicarboxylic acid, trans-; 1,2-Ethylenedicarboxylic acid, (E); trans-1,2-Ethylenedi-carboxylic acid; FEMA Number 2488; Fumaric acid; HSDB 710; Kyselina fumarova; Lichenic acid; NSC-2752; Tumaric acid; U-1149; USAF EK-P-583. Modifier for polyester, alkyd and phenolic resins; paper sizing resins; plasticizers, rosin esters and adducts, alkyd resin coatings, upgrading natural drying oils, food additive, acidulant, flavoring agent, mordant, organic synthesis, inks. Prisms or leaflets; mp ▫ 287° (dec); bp sublimes 165°; d^{20} = 1.635; λ_m = 207 nm (ε = 14400, MeOH); slightly soluble in H_2O, Et_2O, Me_2CO, CCl_4, $CHCl_3$; soluble in conc. H_2SO_4; EtOH. *Chemie Linz N. Am.; Haarmann & Reimer GmbH; Lonzagroup; Mitsubishi Gas; Monsanto Co.; Schaeffer Salt & Chem.*

1800 Fuming sulfuric acid

8014-95-7 9064 G



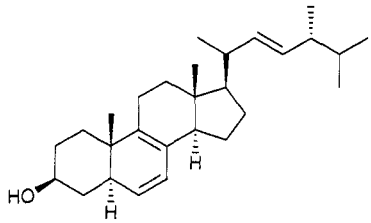
H_2O_4S

Oleum.

Fuming sulfuric acid; HSDB 1236; Nordhausen acid; Oleum; Oleum iodisum; Pyrosulfuric acid; Sulfur trioxide, mixt. with sulfuric acid; Sulfuric acid (fuming); Sulfuric acid fuming; Sulfuric acid mixture with sulfur trioxide; UN1831. Consists of sulfur trioxide dissolved in sulfuric acid. The commonest fuming acid contains 55% sulfuric acid, and 45% sulfur trioxide; used as a sulfating and sulfonating agent, dehydrating agent in nitrations, dyes, and explosives. Oily liquid; d = 1.84; bp = 290°; dec 340°; mp = 10°; miscible with H_2O and alcohol; LD_{50} (rat orl) = 2.14 g/kg.

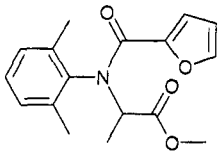
1801 Fungisterol

53260-54-1 4312 G



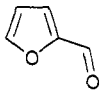
$C_{28}H_{44}O$
5α-Ergosta-6,8,22E-trien-3β-ol.
Crystals; mp = 147.5°; $[\alpha]_D^{15}$ = -21.9° (chloroform

1802 Furalaxyl
57646-30-7 G P



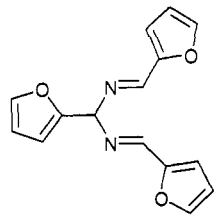
$C_{17}H_{19}NO_4$
N-(2,6-Dimethylphenyl)-N-(2-furanylcarbonyl)-DL-alan-ine methyl ester.
A 5430; CGA 38140; Fonganil; Fongarid; Furalaxyl; Methyl N-(2,6-dimethylphenyl)-N-(2-furanylcarbonyl)-DL-alaninate; Methyl N-(2,6-dimethylphenyl)-N-(2-furoyl)-DL-alaninate; Methyl N-(2-furoyl)-N-(2,6-xylyl)-DL-alaninate. Systemic fungicide with protective and curative action for ornamentals. Used for control of soil diseases caused by *Phytophthora and Pythium* spp. Used to combat potato blight. Colorless crystals; 2 forms, mp = 70°, 84°; sg^{20} = 1.22; soluble in H_2O (0.023 g/100 ml), CH_2Cl_2 (80 g/100 ml), Me_2CO (41 g/100 ml), MeOH (40 g/100 ml), C_6H_6 (42 g/100 ml), C_6H_{14} (0.26 g/100 ml); LD_{50} (rat orl) = 940 mg/kg, (rat der) > 3100 mg/kg, (rbt der) = 5508 mg/kg; LC_{50} (rainbow trout 96 hr.) = 32.5 mg/l, (crucian carp 96 hr.) = 38.4 mg/l; non-toxic to birds; non-toxic to bees. *Ciba Geigy Agrochemicals; Syngenta Crop Protection.*

1803 Furfural
98-01-1 4325 G H



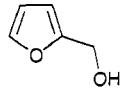
$C_5H_4O_2$
2-Furancarboxaldehyde.
5-17-09-00292 (Beilstein Handbook Reference); AI3-04466; Ant Oil, artificial; Artificial ant oil; Artificial oil of ants; Bran oil; BRN 0105755; Caswell No. 466; CCRIS 1044; EINECS 202-627-7; EPA Pesticide Chemical Code 043301; FEMA No. 2489; Fufural; Fural; Furaldehyde; Furale; Furancarbonal; Furfural; Furfuraldehyde; α-Furfuraldehyde; Furfurale; Furfurol; Furfurole; Furfurylaldehyde; Furol; Furole; α-furole; Furyl-methanal; HSDB 542; NCI-C56177; NSC 8841; Pyromucic aldehyde; Quakeral; RCRA waste number U125; UN1199. Chemical intermediate for manufacture of derivatives (furan, THF); solvent for petroleum lube, nitrocellulose; wetting *agent;* in manufacture of furfuralphenol plastics; vulcanization accelerator; insecticide, fungicide, germicide; reagent in analytical chemistry. Registered by EPA as an insecticide. Colorless liquid; mp = -36.5°; bp = 161.8°, bp_{100} = 103°, bp_{20} = 67.8°, $bp_{1.0}$ = 18.5°; d_4^{25} = 1.1563; soluble in H_2O (9.1 g/100 ml), very soluble in EtOH, Et_2O; LD_{50} (rat orl) = 127 mg/kg. *Allchem Ind.; Great Lakes Fine Chem.; QO; Sigma-Aldrich Fine Chem.*

1804 Furfuramide
494-47-3 4812 G



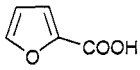
$C_{15}H_{12}N_2O_3$
2-(Bis(furfurylidenamino))methylfuran.
5-17-09-00306 (Beilstein Handbook Reference); AI3-04501; BA 51-90222; BRN 0028784; EINECS 207-790-8; 2-Furanmethanediamine, N,N'-difurfurylidene-; Hydro-furamide; Methanediamine, 1-(2-furanyl)-N,N'-bis(2-furanylmethylene)-; Methanediamine, N,N-difurfuryl-idene-1-(2-furyl)-; NSC 49110; 1,3,5-Tri(2-furyl)-2,4-diazapenta-1,4-diene; Vulcazol.
A vulcanization accelerator. Needles; mp = 117°; bp = 250° (dec); λ_m = 259, 215 nm (log ε 4.18, 4.16); insoluble in H_2O, very soluble in EtOH, Et_2O.

1805 Furfuryl alcohol
98-00-0 4326 G



$C_5H_6O_2$
2-Furanmethanol.
5-17-03-00338 (Beilstein Handbook Reference); AI3-01171; BRN 0106291; CCRIS 2922; EINECS 202-626-1; FEMA No. 2491; 2-Furancarbinol; 2-Furanmethanol; 2-Furanylmethanol; Furfural alcohol; Furfuralcohol; Furfuranol; Furfuryl alcohol; 2-Furfuryl alcohol; 2-Furfurylalkohol; α-Furylcarbinol; 2-Furylcarbinol; 2-Furylmethanol; HSDB 711; 2-Hydroxymethylfuran; 5-Hydroxymethylfuran; Methanol, (2-furyl)-; NCI-C56224; NSC 8843; UN2874. Used as a wetting agent, in furan polymers, as a solvent for dyes and resins, and in flavoring. Pale yellow liquid; mp = -31°; bp = 171°; d_4^{20} = 1.1296; λ_m = 270 nm (MeOH); soluble in H_2O (9 g/100 ml), EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 127 mg/kg. *Allchem Ind.; Great Lakes Fine Chem.; QO; Sigma-Aldrich Fine Chem.*

1806 2-Furoic acid
88-14-2 4328 G

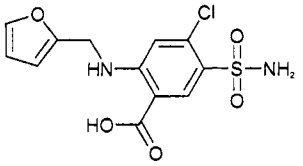


$C_5H_4O_3$
2-Furancarboxylic acid.
5-18-06-00102 (Beilstein Handbook Reference); AI3-16500; BRN 0110149; 2-Carboxyfuran; CCRIS 2157; EINECS 201-803-0; α-Furancarboxylic acid; 2-Furancarboxylic acid; α-Furoic acid; 2-Furoic acid; Kyselina 2-furoova; Kyselina pyroslizova; NSC 8842; Pyromucic acid. Preservative, bactericide, furoates for perfume and flavoring, fumigant, textile processing, chemical intermediate. Needles; mp = 133.5°; sublimes at 130-140°; bp = 231°; λ_m = 247 nm (12300, MeOH); soluble in alcohol, ether, water. *Greeff R.W. &*

Co.; Penta Mfg.; QO.

1807 Furosemide

54-31-9 4330 D



$C_{12}H_{11}ClN_2O_5S$

4-Chloro-N-furfuryl-5-sulfamoylanthranlic acid.

5-18-09-00555 (Beilstein Handbook Reference); Aisemide; Aldic; Aluzine; Anfuramaide; Apo-Frusemide; Apo-Furosemide; Aquarid; Aquasin; Arasemide; Beronald; Bioretic; BRN 0840915; CCRIS 1951; Cetasix; Depix; Desal; Desdemin; Dirine; Disal; Discoid; Disemide; Diural; Diurapid; Diuretic salt; Diurin; Diurolasa; Diusemide; Diusil; Diuzol; Dranex; Dryptal; Durafurid; Edemid; Edenol; EINECS 200-203-6; Eliur; Endural; Errolon; Eutensin; Farsix; Fluidrol; Fluss; Franyl; Frumex; Frumide; Frumil; Frusedan; Frusema; Frusemid; Frusemide; Frusemin; Frusenex; Frusetic; Frusid; Fulsix; Fuluvamide; Fuluvamine; Furanthril; Furanthryl; Furantril; Furanturil; Furesis; Furetic; Furex; Furfan; Furix; Furmid; Furo-Basan; Furo-Puren; Furobeta; Furocot; Furodiurol; Furodrix; Furomen; Furomex; Furomide M.D.; Furorese; Furosan; Furose; Furosedon; Furosemid; Furosemida; Furosemide; Furosemide mita; Furosemidu; Furosemidum; Furosemix; Furoside; Furosifar; Furosix; Furoter; Furovite; Fursemid; Fursemida; Fursemide; Fursol; Fusid; Golan; Hissuflux; HSDB 3086; Hydrex; Hydro; Hydro-rapid; Hydroled; Impugan; Jenafusid; Katlex; Kofuzon; Kolkin; Kutrix; Lasemid; Lasex; Lasiletten; Lasilix; Lasix; Lasix Retard; Laxur; Lazix; LB 502; less Diur; Liside; Logirene; Lowpston; Lowpstron; Luscek; Macasirool; Marsemide; Mirfat; Mirfat; Mita; Moilarorin; Nadis; NCI-C55936; Nelsix; Neo-renal; Nephron; Nicorol; Novosemide; NSC 269420; Odemase; Odemex; Oedemex; Osyrol; Polysquall A; Prefemin; Profemin; Promedes; Promide; Protargen; Puresis; Radisemide; Radonna; Radouna; Retep; Rosemide; Rosis; Rusyde; Salinex; Salix; Salurex; Salurid; Seguril; Selectofur; Sigasalur; Spirofur; Synephron; Transit; Trofurit; Uremide; Uresix; Urex; Urex-M; Urian; Uridon; Uritol; Urosemide; Vesix; Yidoli; Zafimida. Used as a diuretic and antihypertensive agent. Used with controlled release potassium chloride to control edema. Crystals; mp = 206°; λ_m = 288, 276, 336 nm ($E^{1\%}_{cm}$ 945, 588, 144 95% EtOH); soluble in Me_2CO, MeOH, DMF; less soluble in EtOH, H_2O, $CHCl_3$, Et_2O; LD_{50} (frat orl) = 2600 mg/kg, (mrat orl) = 2820 mg/kg. *Astra USA Inc.; Elkins-Sinn; Fermenta Animal Health Co.; Hoechst Roussel Pharm. Inc.; Parke-Davis; Rhône-Poulenc Rorer Pharm. Inc.*

1808 Fusel oil

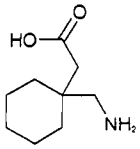
8013-75-0 H

Fusel oil.

Amyl alcohol, commercial; EINECS 232-395-2; FEMA No. 2497; Fusel oil; Fusel oil, refined; Fusel oil, refined (mixed amyl alcohols); Fusel oil, sugar beet; Fusel oil; Fuselöl; Huile de fusel; Isoamyl fusel oil; UN1201. 232-395-2

1809 Gabapentin

60142-96-3 4342 D



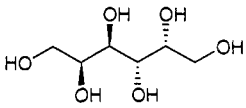
$C_9H_{17}NO_2$

1-(Aminomethyl)cyclohexaneacetic acid.

Aclonium; BRN 2359739; CCRIS 7210; CI 945; EINECS 262-076-3; Gabapentin; Gabapentine; Gabapentino; Gabapentinum; Gabapetin; Go 3450; GOE 2450; Neurontin. An amino acid related to σ-aminobutyric acid (GABA). An anticonvulsant. Crystals; mp = 162-166°, 165-167°; soluble in H_2O (> 10 g/100 ml at pH 7.4). *Parke-Davis.*

1810 Galactitol

608-66-2 4353 G



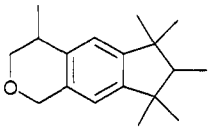
$C_6H_{14}O_6$

Dulcitol.

AI3-19423; Dulcite; Dulcitol; D-Dulcitol; Dulcose; EINECS 210-165-2; Euonymit; Galactitol; Melampyrin; Melampyrit; NSC 1944. Occurs in Madagascar manna. Crystals; mp = 189.5°; bp_1 = 275-280°; d^{20} = 1.47; soluble in H_2O (3 g/100 ml), slightly soluble in EtOH, C_5H_5N, insoluble in Et_2O, C_6H_6.

1811 Galaxolide

1222-05-5 H



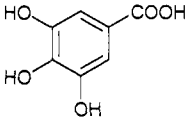
$C_{18}H_{26}O$

Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-γ-2-benzo-pyran.

Cyclopenta(g)-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; EINECS 214-946-9; Galaxolide; Hexahydrohexamethyl cyclopentabenzopyran.

1812 Gallic acid

149-91-7 4366 G

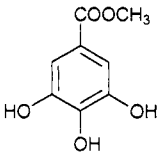


$C_7H_6O_5$

3,4,5-Trihydroxybenzoic acid.

3-10-00-02070 (Beilstein Handbook Reference); AI3-16412; Benzoic acid, 3,4,5-trihydroxy-; BRN 2050274; CCRIS 5523; EINECS 205-749-9; Gallic acid; HSDB 2117; Kyselina 3,4,5-trihydroxybenzoova; Kyselina gallova; NSC 20103; 3,4,5-Trihydroxybenzoic acid. Photography, writing ink, dyeing; manufacture of pyrogallol, tannins, paper; tanning agent; pharmaceuticals, engraving, lithography; analytical reagent. Prisms, sublimes at 210° giving stable form with mp = 258-265°; λ_m = 275 nm (EtOH), slightly soluble in H_2O (1.15 g/100 ml); LD_{50} (rbt orl) = 5.0 g/kg. *Fuji Chem. Ind.; Mallinckrodt Inc.; Penta Mfg.; U.S. BioChem.*

1813 **Gallicin**
99-24-1 4366 G



$C_8H_8O_5$
Methyl gallate.
4-10-00-01998 (Beilstein Handbook Reference); AI3-00861; Benzoic acid, 3,4,5-trihydroxy-, methyl ester; BRN 2113180; CCRIS 5567; EINECS 202-741-7; Gallic acid methyl ester; Methyl 3,4,5-trihydroxybenzoate; Methyl gallate; Methylgallate; NSC 363001. Used by ophthalmologists as an antiseptic in conjunctivitis. Crystals; mp = 202°; soluble in hot H_2O, EtOH, MeOH, Et_2O.

1814 **Gallium**
7440-55-3 4367 G

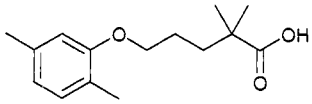
Ga

Ga
Gallium.
EINECS 231-163-8; Gallium; Gallium, elemental; HSDB 6956; UN2803. Compounds used as semiconductors. Metallic element Metal; mp = 29.78°; bp = 2400°. *Atomergic Chemetals; Cerac; Eagle-Picher; International Gallium; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

1815 **Gasoline**
8006-61-9 H

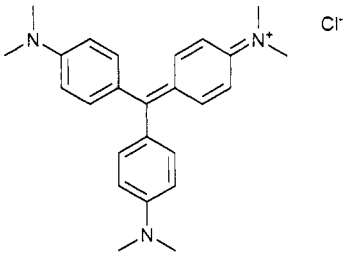
Gasoline.
Antiknock gasoline; Benzin; Casing head gasoline; Cracked gasoline; EINECS 232-349-1; Gasoline; Gasoline (casinghead); Gasoline, natural; High-octane gasoline; HSDB 6477; Light gasoline; Natural gasoline; Natural gasoline (natural gas); Petrol (British); Petrol, natural; Petroleum distillates; Polymer gasoline; Pyrolysis gasoline; Reformed gasoline; Straight-run gasoline; UN 1203; UN1203; Unleaded gasoline (wholly vaporized); White gasoline.

1816 **Gemfibrozil**
25812-30-0 4399 D



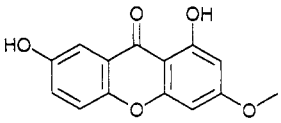
$C_{15}H_{22}O_3$
2,2-Dimethyl-5-(2,5-xylyloxy)valeric acid.
Apo-Gemfibrozil; Ausgem; Bolutol; BRN 1881200; Brozil; CCRIS 318; Cholespid; Ci 719; Clearol; Decrelip; EINECS 247-280-2; Elmogan; Fetinor; Fibratol; Fibrocit; Gem-S; Gemd; Gemfibril; Gemfibromax; Gemfibrozil; Gemfibrozilo; Gemfibrozilum; Gemlipid; Genlip; Gevilon; Gevilon Uno; Gozid; Hidil; Hipolixan; Innogen; Ipolipid; Jezil; Lanaterom; Lifibron; Lipazil; Lipigem; Lipira; Lipizyl; Lipur; Litarek; Lopid; Lopizid; Low-Lip; Micolip; Normolip; Pilder; Polyxit; Progemzal; Reducel; Regulip; Renabrazin; Sinelip; Synbrozil; Taborcil; Tentroc; Trialmin; WL-Gemfibrozil. A fibric acid; reduces plasma triglycerides by lowering plasma levels of very-low-density lipoprotein. Hypolipidemic agent. Serum lipid regulator. mp = 61-63°; $bp_{0.02}$ = 158-159°; LD_{50} (mus orl) = 3162 mg/kg, (rat orl) = 4786 mg/kg. *Parke-Davis.*

1817 **Gentian violet**
548-62-9 4406 D G



$C_{25}H_{30}ClN_3$
N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methylmethanaminium chloride.
12416 Violet; Adergon; Aizen Crystal Violet Extra Pure; Aizen Crystal Violet; Aniline Violet; Aniline Violet Pyoktanine; Atmonil; Avermin; Axuris; Badil; Basic Violet 3; Basic Violet BN; Bismuth Violet; Blaues pyoktanin; Brilliant Violet 5B; C.I. 42555; C.I. Basic violet 3; C.I. Basic Violet 1; Calcozine Violet 6BN; Calcozine Violet C; Caswell No. 264A; CCRIS 2464; Chlorure de methylrosanilinum; CI 42555; CI Basic Violet 3; Cloruro de metilrosanilina; Crystal Violet; Crystal Violet 10B; Crystal Violet 5BO; Crystal Violet 6B; Crystal Violet 6BO; Crystal Violet AO; Crystal Violet AON; Crystal Violet BP; Crystal Violet BPC; Crystal Violet chloride salt; Crystal Violet Chloride; Crystal Violet Extra Pure APNX; Crystal Violet Extra Pure; Crystal Violet Extra Pure APN; Crystal Violet FN; Crystal Violet HL2; Crystal Violet O; Crystal Violet Pure DSC Brilliant; Crystal Violet Pure DSC; Crystal Violet SS; Crystal Violet Technical; Crystal Violet USP; EINECS 208-953-6; EPA Pesticide Chemical Code 039502; Gentersal; Gentian Violet; Gentiaverm; Genticid; Gentioletten; Hecto Violet R; Hectograph Violet SR; Hexamethyl Violet; Hidaco Brilliant Crystal Violet; Hidaco Crystal Violet; HSDB 4366; Kristall-violett; Meroxyl; Meroxyl-wander; Meroxylan; Meroxylan-wander; Methyl Violet 10B; Methyl Violet 10BD; Methyl Violet 10BK; Methyl Violet 10BN; Methyl Violet 10BNS; Methyl Violet 10BO; Methyl Violet 5BNO; Methyl Violet 5BO; Methyl Violet 6B (biological stain); Methylrosanilinchlorid; Methylrosaniline chloride; Methylrosanilini chloridum; Methylrosanilinii chloridum; Methylrosanilinum chloratum; Methylviolett; Metilrosanilinio cloruro; Mitsui Crystal Violet; NCI-C55969; NSC 3090; Oxiuran; Oxycolor; Oxyozyl; Paper Blue R; Plastoresin Violet 5BO; Pyoktanin; Pyoverm; Vermicid; Vianin; Viocid; Violet 5BO; Violet 6BN; Violet CP; Violet cristallise; Violet gencianova; Violet krystalova; Violet xxiii; Violet zasadita 3.; aizen crystal violet; aniline violet pyoktanine; basic violet BN; bismuth violet; brilliant violet 5B; calcozine violet C; calcozine violet 6BN; crystal violet O; crystal violet 5BO; crystal violet 6B; crystal violet 6BO; crystal violet 10B; crystal violet AO; crystal violet AON; crystal violet base; crystal violet BPC; crystal violet FN; crystal violet HI2; crystal violet SS; gentersal; hectograph violet SR; hecto violet R; hidaco crystal violet; meroxylanwander; methyl violet 5BNO; methyl violet 5BO; methyl violet 10B; methyl violet 10BD; methyl violet 10BK; methyl violet 10BN; methyl violet 10BO. A dye for wood, paper and silk; used in inks and as a biological stain. Grey powder; mp = 215° (dec); very soluble in H_2O, $CHCl_3$, EtOH (10 g/100 ml), glycerin (6.7 g/100 ml); LD_{50} (mus orl) = 1200 mg/kg, (rat orl) = 1000 mg/kg.

1818 **Gentisin**
437-50-3 4410 G



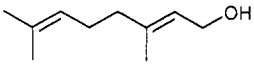
$C_{14}H_{10}O_5$

1,3,7-Trihydroxyxanthone-3-methyl ether.

5-18-04-00497 (Beilstein Handbook Reference); BRN 0384788; CCRIS 3151; 1,7-Dihydroxy-3-methoxyxanth-en-9-one; EINECS 207-114-1; Gentianic acid; Gentianin; Gentisin; Gentisine; Xanthen-9-one, 1,7-dihydroxy-3-methoxy-; 9H-Xanthen-9-one, 1,7-dihydroxy-3-methoxy-. The yellow pigment of *Gentiana lutea*. Yellow rhombic crystals; mp = 266-267°; λ_m = 235, 260, 315 nm (ε = 39811, 50119, 15849, EtOH); insoluble in H_2O, Me_2CO, soluble in C_5H_5N, very soluble in EtOH.

1819 Geraniol

106-24-1 4415 G H



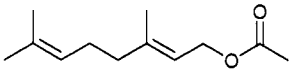
$C_{10}H_{18}O$

(E)-3,7-Dimethyl-2,6-octadien-1-ol.

4-01-00-02277 (Beilstein Handbook Reference); AI3-00206; BRN 1722456; CCRIS 7243; (E)-3,7-Dimethyl-2,6-octadien-1-ol; trans-3,7-Dimethyl-2,6-octadien-1-ol; 2-trans-3,7-Dimethyl-2,6-octadien-1-ol; 3,7-Dimethyl-trans-2,6-octadien-1-ol; (E)-Geraniol; β-Geraniol; trans-Geraniol; EINECS 203-377-1; EPA Pesticide Chemical Code 597501; FEMA No. 2507; Geraniol; HSDB 484; Lemonol; Meranol; (E)-Nerol; 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)-; NSC 9279. A high-quality rose petal odor used in fragrances in perfumery, as a constituent of synthetic fragrances and with synthetic linalool. Oil; bp ■ 229-230°; d = 0.8750; λ_m = 190-195 nm (ε 18000); insoluble in H_2O, soluble in organic solvents. *Bush Boake Allen; Lancaster Synthesis Co.; Penta Mfg.; SCM Glidco Organics.*

1820 Geranyl acetate

16409-44-2 G



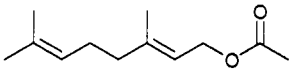
$C_{14}H_{20}O_2$

3,7-Dimethylocta-2,6-dienyl acetate.

3,7-Dimethylocta-2,6-dienyl acetate; EINECS 240-458-0; Geraniol acetate. Used in perfumery and flavoring. Oil; bp_{12} ■ 115°; d^{15} = 0.9163. *Firmenich; IFF; Penta Mfg.; SCM Glidco Organics.*

1821 Geranyl acetate, trans

105-87-3 G



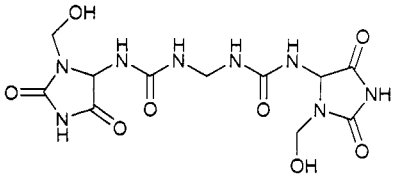
$C_{12}H_{20}O_2$

(E)-3,7-dimethyl-2,6-octadien-1-yl acetate.

4-02-00-00204 (Beilstein Handbook Reference); Acetic acid, geraniol ester; AI3-00207; Bay pine (oyster) oil; BRN 1722815; CCRIS 877; 2,6-Dimethyl-2,6-octadiene-8-yl acetate; 3,7-Dimethyl-2-trans, 6-octadienyl acetate; 3,7-Dimethyl-2,6-octadien-1-ol acetate; 3,7-Dimethyl-2,6-octadien-1-yl ethanoate, trans-; trans-2,6-Dimethyl-2,6-octadien-8-yl ethanoate; trans-3,7-Dimethyl-2,6-octadien-1-ol, acetate; EINECS 203-341-5; FEMA Number 2509; Geraniol acetate; HSDB 586; Meraneine;NCI-C54728; NSC 2584; 2,6-Octadien-1-ol, 3,7-dimethyl-, acetate,(E)-; 2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (2E)-; 2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, trans-. Rosy, green, slightly lavendaceous odor. Used in perfume blends & fruit flavors. Oil; bp ■ 242°; d = 0.911; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 6330 mg/kg. *Bush Boake.*

1822 Germall® 115

39236-46-9 4939 G



$C_{11}H_{16}N_8O_8$

Imidazolidinyl urea.

Abiol; Biopure 100; EINECS 254-372-6; Germall 115; Imidazolinidyl urea; Imidurea; Imidurea NF; Methane-bis(N,N'-(5-ureido-2,4-diketotetrahydro-imidazole)-N,N-dimethylol); 1,1'-Methylenebis(3-(3-(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl)urea); N,N''-Methylenebis(N'-(1-(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl)urea); Sept 115; Tristat 1U; Unicide U-13; Urea, N,N''-methylene-bis(N'-(1-(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl)yl)-urea. Antimicrobial preservative used in cosmetics. *3V; Sutton Labs.*

1823 Germanium

7440-56-4 4419 G

Ge

Ge

Germanium.

EINECS 231-164-3; Germanium; Germanium element; Germanium, metal powder; HSDB 2118. Nonmetallic element; used in electronics: manufacture of Ge diodes, transistors, solid state electronic devices, semiconducting applications, brazing alloys, phosphors, gold and beryllium alloys, infrared-transmitting glass; dental alloys. Metal; mp = 937°; bp = 2700°; poor electrical conductor. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Eagle-Picher; New Metals & Chems. Ltd; Noah Chem.*

1824 Germanium hydride

7782-65-2 4418 G

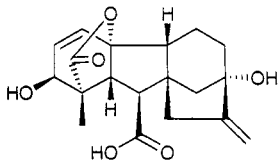
GeH_4

Germanium tetrahydride.

EINECS 231-961-6; Germane; Germanium hydride; Germanium tetrahydride; Monogermane; UN2192. A flammable, toxic, colorless gas used for the deposition of epitaxial and amorphous silicon - germanium alloys. Gas; mp = -165°; bp = -88°; d = 2.600; LD_{50} (mus orl) ■ 1250 mg/kg.

1825 Gibberellic acid

77-06-5 4430 G P



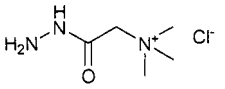
$C_{19}H_{22}O_6$

(3S,3AS,4S,4aS,6S,8aR,8bR,11S)-6,11-Dihydroxy-3-methyl-12-methylene-2-oxo-4a,6-ethano-3,8b-prop-1-enoperhydroindeno(1,2-b)furan-4-carboxylic acid.

5-18-09-00269 (Beilstein Handbook Reference); Acide gibberellique; Activol; Activol GA; AI3-52922; Berelex; Brellin; BRN 0054346; Caswell No. 467; CCRIS 4820; Cekugib; EPA Pesticide Chemical Code 043801; GA; GA3; Gib-Sol; Gib-Tabs; Gibb-3-ene-1,10-dicarboxylic acid, 2,4a,7-trihydroxy-1-methyl-8-methylene-, 1,4a-lactone; Gibberelic acid; gibberellin x; Gibberellin; Gibberellin 1; Gibberellin A3; Gibberellin X; Gibberellins; Gibberellins A4A7; Gibbrel; Gibefol; Giberellin; Gibrei; Gibrescol; Gibreskol; Grocel; HSDB 712; 2β-Hydroxygibberellin 1; NCI-C55823; NSC 14190; Pgr-iv; Pro-Gibb; Pro-Gibb Plus; Pro-Gibb Plus; Regulex; Ryzup; Trihydroxy-1-methyl-8-methylenegibb-3-ene-1,10-dicarboxylic acid, 1,4a-lactone. A plant growth regulator; increases cropping in apples and pears. Registered by EPA as a plant growth regulator. Crystals; mp = 233-235°; $[\alpha]_D^{19}$= +86° (c ■ 2.12); pK = 4.0; freely soluble in MeOH, EtOH, Me_2CO, slightly soluble in H_2O, Et_2O, EtOAc. *American Camellia Society; Fine Agrochemicals Ltd.; Griffin LLC; ICI Agrochemicals; La-Co Industries; Micro-Flo Co. LLC; Syngenta Crop Protection; Valent Biosciences Corp.*

1826 Girard's reagent T

123-46-6 G



$C_5H_{14}ClN_3O$

2-hydrazino-N,N,N-trimethyl-2-oxoethanaminium chloride.

AI3-61529; Ammonium, (carbazoylmethyl)trimethyl-, chloride; Ammonium, (carboxymethyl)trimethyl-, chloride, hydrazide; Betaine hydrazide hydrochloride; Carbazoylmethyltrimethylammonium chloride; Carb-azoylmethyltrimetylammonium chloride; (Carboxy-methyl)trimethylammonium chloride hydrazide; EINECS 204-629-3; Ethanaminium, 2-hydrazino-N,N,N-trimethyl-2-oxo-; Girard reagent T; Girard T reagent; Girard's Reagent T; (Hydrazinocarbonylmethyl)trimethyl-ammonium chloride; NSC 9242; Trimethylacethydrazide ammonium chloride; Trimethylaminoacetohydrazide chloride; Trimethylammonium acetyl hydrazide chloride; Trimethylammonium chloride acethydrazide. Reacts with ketones to form water-soluble hydrazones. Used in the isolation of ketosteroids. Girard's reagent P [1126-58-5], used in the same way, is 1-(2-hydrazino-2-oxoethyl)pyridinium chloride. Crystals; mp = 192°; soluble in H_2O, polar organic solvents, insoluble in non-polar organic solvents.

1827 Glass H

50813-16-6 8741 G

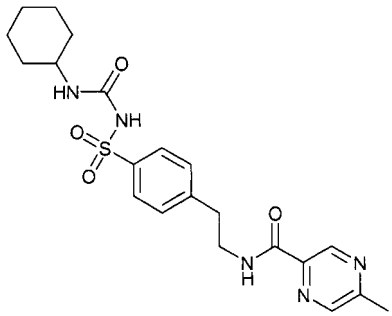
$Na_6O_{18}P_6$

Sodium hexametaphosphate.

EINECS 256-779-4; Grahamsches salz; Metaphosphoric acid, sodium salt; Natrium polymetaphosphat; Sodium metaphosphate; Sodium metapolyphosphate; Sodium polymetaphosphate; Sodium polyphosphate. Water softener and detergent. Solid; mp = 628°; d ■ 2.181; soluble in H_2O, insoluble in organic solvents; LD_{50} (rat orl) = 6200 mg/kg. FMC.

1828 Glipizide

29094-61-9 4455 D



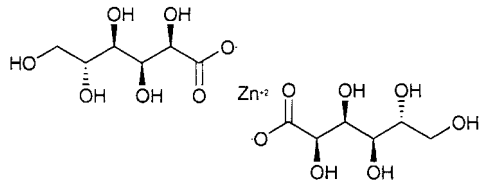
$C_{21}H_{27}N_5O_4S$

1-Cyclohexyl-3-[[p-[2-(5-methylpyrazinecarboxamido)-ethyl]phenyl]sulfonyl]urea.

Aldiab; Antidiab; Apamid; BRN 0903495; CP 28,720; Digrin; Dipazide; EINECS 249-427-6; Glibenese; Glibetin; Glican; Glide; Glidiab; Glipid; Glipizida; Glipizidum; Gluco-Rite; Glucolip; Glucotrol; Glucotrol XL; Glucozide; Glupitel; Glupizide; Glyde; Glydiazinamide; K 4024; Melizide; Metaglip; Mindiab; Minidiab; Minodiab; Napizide; Ozidia; Sucrazide; TK 1320. Antidiabetic agent. Crystals; mp = 208-209°; LD_{50} (rat ip) = 1.2 g/kg, (mus ip) > 3 g/kg. *Apothecon; Pratt Pharm.*

1829 Gluconal® ZN

4468-02-4 4469 G V



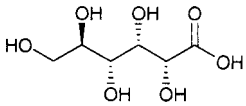
$C_{12}H_{22}O_{14}Zn$

Zinc gluconate.

BioZn-AAS; Bis(D-gluconato-O^1,O^2)zinc; Bis(D-gluco-nato-O1,O2) zinc; EINECS 224-736-9; HSDB 1054; Rubozine; Zinc gluconate; Zinc D-gluconate (1:2); Zinc bis(D-gluconato-O1,O2); Zinc, bis(D-gluconato-O^1,O^2)-. Pharmaceutical/food grade mineral source for human and veterinary pharmaceutical preparations, dietary supplements, fortified foods and animal feed. White solid; freely soluble in H_2O (100 g/l); insoluble in organic solvents; LD_{50} (rat orl) > 5,000 mg/kg. *Akzo Chemie.*

1830 D-Gluconic acid

526-95-4 4469 D G P



$C_6H_{12}O_7$

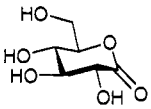
2,3,4,5,6-Pentahydroxyhexanoic acid.

4-03-00-01255 (Beilstein Handbook Reference); BRN 1726055; Dextronic acid; EINECS 208-401-4; Glosanto; Gluconic acid; D-Gluconic acid; Glycogenic acid; Glyconic acid; HSDB 487; Maltonic acid; NSC 77381; Pentahydroxycaproic acid. Used in pharmaceuticals and food products, cleaning and pickling metals, sequestrant, cleansers, catalyst in textile printing. Medically, an antispasmodic agent. Registered by EPA as an antimicrobial and

disinfectant (cancelled). FDA GRAS, Japan approved, FDA approved for orals. Used as in orals a chelating agent, sequestrant and dietary supplement. Crystals; mp = 131°; d^{25}_{4} = 1.24; $[\alpha]_D^{20}$ = -6.7° (c = 1); freely soluble in H_2O, slightly soluble in EtOH, insoluble in Et_2O and most other organic solvents. *Akzo Chemie; Am. Biorganics; Faezy & Besthoff; Glucona; Jungbunzlauer; Pfizer Intl.; PMP Fermentation Prods.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1831 δ-D-Gluconolactone

90-80-2 4470 D G H



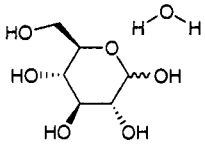
$C_6H_{10}O_6$

D-Gluconic acid, δ-lactone.

AI3-19578; Deltagluconolactone; EINECS 202-016-5; GDL; Gluconic acid, δ-lactone, D-; Gluconic acid lactone; Gluconic δ-lactone; D-Gluconic acid lactone; D-Gluconic acid-δ-lactone; Gluconolactone; Glucono δ-lactone; D-Glucono-1,5-lactone; δ-D-Gluconolactone; δ-Gluconolactone; D-δ-Gluconolactone; HSDB 488. Can behave as a chelator and is used in metal cleaning materials. mp = 153° (dec); $[\alpha]_D^{20}$ = 61.7° (c = 1), mutarotates to +6.2°; soluble in H_2O (59 g/100 ml), less soluble in organic solvents. *Pfizer Intl.*

1832 Glucose

50-99-7 4472 H



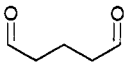
$C_6H_{12}O_6$

α-D-glucose.

4-01-00-04302 (Beilstein Handbook Reference); AI3-09328; Anhydrous dextrose; Blood sugar; BRN 1724615; Cartose; CCRIS 950; Cerelose; Cerelose 2001; Corn sugar; 'α-D-Glucopyranose D-Glucose; Dextropur; Dextrose; Dextrose, anhydrous; Dextrose solution; Dextrosol; EINECS 200-075-1; Glucolin; Glucose; D-Glucose; D-Glucose, anhydrous; D(+)-Glucose; Glucosteril; Goldsugar; Grape sugar; HSDB 489; Maxim Energy Gel; NSC 406891; Sirup; Staleydex 111; Staleydex 333; Sugar, grape; Tabfine 097(HS); Traubenzucker; Vadex. Sugar obtained from the hydrolysis of starch; (anhydrous), (hydrous); Confectionery, foods, medicine, brewing, baking, canning. mp = 83°; $[\alpha]_D$ = 102.0°, mutarotates to 47.9° (H_2O); soluble in H_2O (1 g/ml), less soluble in organic solvents; LD_{50} (rbt iv) = 35 g/kg. *Avebe BV; Corn Products; Hightex; Lanaetex; Mallinckrodt Inc.; Mendell Edward; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

1833 Glutaraldehyde

111-30-8 4485 G P



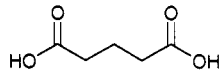
$C_5H_8O_2$

1,5-Pentanedial.

4-01-00-03659 (Beilstein Handbook Reference); Aldehyd glutarowy; Aldesan; Aldesen; Alhydex; BRN 0605390; Caswell No. 468; CCRIS 3800; Cidex; Coldcide-25; Dialdehyde; Dioxopentane; EINECS 203-856-5; EPA Pesticide Chemical Code 043901; GKN-O Microbiocide Concentrate; Glutaral; Glutaraldehyd; Glutaraldehyde; Glutaralum; Glutardialdehyde; Glutaric acid dialdehyde; Glutaric aldehyde; Glutaric dialdehyde; Glutarol; Gluteraldehyde; Hospex; HSDB 949; Microbiocide; NCI-C55425; NSC 13392; Pentanedial; Pentane-1,5-dial; Sonacide; Sporicidin; Ucarcide® 225; Veruca-sep. Preservative, antimicrobial for cosmetic, toiletry, and chemical specialty products. Used as an intermediate, fixative for tissues, for crosslinking protein and polyhydroxy materials, tanning of soft leathers. Registered by EPA as an antimicrobial and fungicide. Oil; mp = -14°; bp = 188° (dec), bp_{50} = 106 - 108°, bp_{10} = 71 - 72°; soluble in C_6H_6, freely soluble in H_2O, EtOH; LD_{50} (rat orl) = 134 mg/kg, LD_{50} of 25% aq. solution (rat orl) = 2.38 ml/kg, (rbt der) = 2.56 ml/kg,. *Baker Petrolite Corp.; BASF Corp.; Buckman Laboratories Inc.; CID Lines NV; Colcide Inc.; Dow Chem. U.S.A.; M & S Research; Medical Chemical Corp; Metrex Research Corp; Multisorb Technologies Inc; Ondeo Nalco Co.*

1834 Glutaric acid

110-94-1 4486 H



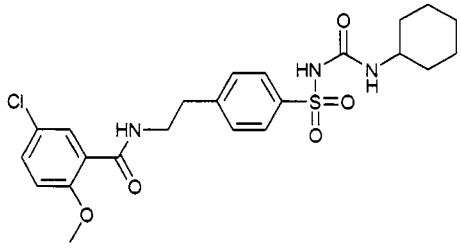
$C_5H_8O_4$

1,5-Pentanedioic acid.

4-02-00-01934 (Beilstein Handbook Reference); AI3-24247; BRN 1209725; EINECS 203-817-2; Glutaric acid; HSDB 5542; NSC 9238; Pentandioic acid; Pentanedioic acid; 1,5-Pentanedioic acid; 1,3-Propanedicarboxylic acid; n-Pyrotartaric acid. Needles; mp = 97.8°; bp = 303° (dec); d^{15} = 1.429; very soluble in H_2O, EtOH, Et_2O, soluble in $CHCl_3$, conc. H_2SO_4; slightly soluble in DMSO, ligroin, insoluble in C_6H_6.

1835 Glyburide

10238-21-8 4491 D



$C_{23}H_{28}ClN_3O_5S$

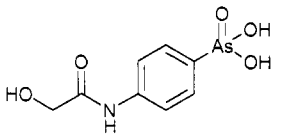
5-Chloro-N-[2-[4-[[[(cyclohexylamino)carbonyl]amino]-sulfonyl]phenyl]ethyl]-2-methoxybenzamide.

Abbenclamide; Adiab; Apo-Glibenclamide; Azuglucon; Bastiverit; Benclamin; Betanase; Betanese 5; BRN 2230085; Calabren; Cytagon; Daonil; Debtan; Dia-basan; Diabeta; Diabiphage; Dibelet; Duraglucon; EINECS 233-570-6; Euclamin; Euglucan; Euglucon; Euglucon 5; Euglykon; GBN 5; Gen-Glybe; Gewaglucon; Gilemal; Gl; Glamide; Gliban; Gliben; Gliben-Puren N; Glibenbeta; Glibenclamid AL; Glibenclamid Basics; Glibenclamid-Cophar; Glibenclamid Fabra; Glibenclamid Genericon; Glibenclamid Heumann; Glibenclamid-Ratiopharm; Glibenclamid Riker M.; Glibenclamida; Glibenclamide; Glibenclamidum; Glibenil; Glibens; Glibesyn; Glibet; Glibetic; Glibil; Gliboral; Glicem; Glidiabet; Glimel; Glimide; Glimidstada; Glisulin; Glitisol; Glubate; Gluben; Gluco-Tabinen; Glucobene; Glucohexal; Glucolon; Glucomid; Glucoremed; Glucoven; Glyben; Glyben-clamide; Glybenzcyclamide; Glyburide; Glycolande; Glycomin; HB 419; Hemi-Daonil; Hexaglucon; Humedia;

Lederglib; Libanil; Lisaglucon; Maninil; Med-Glionil; Melix; Micronase; Miglucan; Nadib; Neogluconin; Norglicem 5; Normoglucon; Novo-Glyburide; Orabetic; Pira; Praeciglucon; Prodiabet; Renabetic; Semi-Daonil; Semi-Euglucon; Semi-Gliben-Puren N; Sugril; Suraben; Tiabet; U 26452; UR 606; Wuglucon; Yuglucon. Antidiabetic agent. Second generation sulfonylurea with hypoglycemic activity. Crystals; mp = 169-170°, 172-174°; poorly soluble in H_2O, soluble in organic solvents; LD_{50} (mus orl) > 20 g/kg, (mus ip) > 12.5 g/kg, (mus sc) > 20 g/kg. (rat orl) > 20 g/kg, rat ip) > 12.5 g/kg, (rat sc) > 20 g/kg. *Abbott Labs Inc.*

1836 Glycarsamide

144-87-6 4489 G



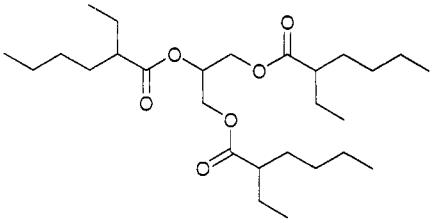
$C_8H_{10}AsNO_5$

4-(Glycolloylamino)phenylarsonic acid.

Astryl; Glycarsamide; EINECS 205-643-2. Anthelmintic. Rhône-Poulenc; UK.

1837 Glycerin tricaprylate

7360-38-5 G



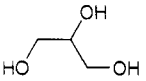
$C_{27}H_{50}O_6$

Glyceryl trioctanoate.

Caprylic acid triglyceride; Caprylin; EINECS 230-896-0; Emalex O.T.G; Glycerin tricaprylate; Glycerol trioctanoate; Glyceryl tri(2-ethylhexanoate); Glyceryl trioctanoate; Hexanoic acid, 2-ethyl-, 1,2,3-propanetriyl ester; MCT; Octanoic acid, 1,2,3-propanetriol ester; Panacete 800; Propane-1,2,3-triyl 2-ethylhexanoate; RATO; Tricaprylin; Tricapryloylglycerol; Tricaprylyl glycerin; Trioctanoin; tricaprylic glyceride; trioctanoyl-glycerol. Oil-phase cosmetic ingredient; emollient. mp = 6°; bp = 233°; d = 0.9530; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) ■ 33300 mg/kg. *Nihon Nohyaku Co. Ltd.*

1838 Glycerol

56-81-5 4497 G H



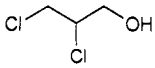
$C_3H_8O_3$

1,2,3-Propanetriol.

4-01-00-02751 (Beilstein Handbook Reference); 90 Technical glycerine; Aci-Jel; AI3-00091; Auralgan; BRN 0635685; Caswell No. 469; CCRIS 2295; Citifluor AF 2; Clyzerin, wasserfrei; Collyrium Fresh-Eye Drops; Dagralax; EINECS 200-289-5; EPA Pesticide Chemical Code 063507; FEMA No. 2525; Glicerina; Glicerol; Glycerin; Glycerin (mist); Glycerin, anhydrous; Glycerin, synthetic; Glycerine; Glycerine mist; Glycerinum; Glyceritol; Glycerol; Glycerolum; Glycyl alcohol; Glyrol; Glysanin; Grocolene; HSDB 492; IFP; Incorporation factor; MOON; NSC 9230; Ophthalgan; Optim; Osmoglyn; Polyhydric alcohols; Propanetriol; Star; Synthetic glycerin; Synthetic glycerine; Trihydroxy-propane; Vitrosupos. Used in manufacture of alkyd resins, dynamite, ester gums, pharmaceuticals, cosmetics, perfumery, lubricants, softener, bacteriostat, penetrant, solvent, humectant, plasticizer, emollient; antifreeze; in production of antibiotics. Registered by EPA (cancelled). Used as a diagnostic aid in ophthalmology and as an emollient and demulcent. Also used as a humectant, solvent, in cosmetics, liquid soaps, confections, inks, and lubricants; used as a chemical intermediate in polyester and PU formulations. Viscous, colorless oil; mp = 17.8°; bp = 290°; d^{15} = 1.2656, d^{20} = 1.2636, d^{s25} = 1.2620; freely soluble in EtOH, MeOH, H_2O, slightly soluble in Me_2CO, soluble in Et_2O (0.2 g/100 ml), EtOAc (9 g/100 ml), insoluble in C_6H_6, $CHCl_3$, oils; viscosity of aqueous solutions ranges from 1.143 mPa (5% w/w) to 111 mPa (83% w/w). LD_{50} (rat orl) = 12600 mg/kg, (rat sc) ■ 100 mg/kg, (rat iv) ■ 5600 mg/kg, (rat ip) = 8300 mg/kg, (mus orl) = 4100 mg/kg, (mus sc) = 90 mg/kg, (mus iv) = 6200 mg/kg, (mus ip) = 8980 mg/kg, (gpg orl) ■ 7750 mg/kg. *Alba Intl. Inc.; Asahi Denka Kogyo; Farleyway Chem. Ltd.; Fina Chemicals; Henkel/Emery; Lonza Ltd.; Procter & Gamble Co.; Sigma-Aldrich Co.; Unichema; Witco/Humko.*

1839 Glycerol 1,2-dichlorohydrin

616-23-9 H



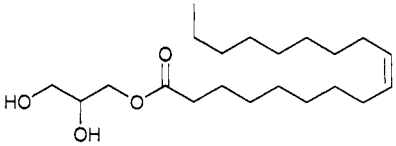
$C_3H_6Cl_2O$

1,2-Dichloro-3-propanol.

4-01-00-01442 (Beilstein Handbook Reference); AI3-61542; BRN 1732060; CCRIS 954; α,β-Dichlorohydrin; 1,2-Dichloro-3-propanol; 1,3-Dichloropropanol-2; 2,3-Dichloro-1-propanol; 2,3-Dichloropropan-1-ol; 2,3-Dichloropropanol; EINECS 210-470-0; Glycerol α,β-dichlorohydrin; Glycerol 1,2-dichlorohydrin; HSDB 2743; 1-Propanol, 2,3-dichloro-; UN2750. Liquid; bp = 184°; d^{20} = 1.3607; slightly soluble in H_2O, ligroin, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6.

1840 Glycerol 1-monooleate

25496-72-4 H



$C_{21}H_{40}O_4$

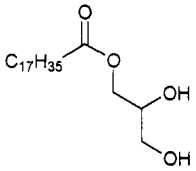
9-Octadecenoic acid (Z)-, monoester with 1,2,3-propanetriol.

Adchem GMO; AJAX GMO; Aldo 40; Aldo MO-FG; Alkamuls GMO 45LG; Arlacel 129; Atmer 1007; Canamex Glicepol 182; Dimodan GMO 90; Dimodan LSQK; Dur-Em 204; Dur-EM 114; Edenor GMO; EINECS 247-038-6; Emalsy MO; Emalsy OL; Emasol MO 50; Emcol O; Emerest 2400; Emerest 2421; Emery oleic acid ester 2221; Emrite 6009; Emuldan RYLO-MG 90; Excel O 95F; Excel O 95N; Excel O 95R; Glycerin monooleate; Glycerine monooleate; Glycerol monooleate; Glycerol, 1-mono (9-octa-decenoate); Glycerol 1-monooleate; Glycerol oleate; Glyceryl monooleate; Glyceryl oleate; Glycolube 100; GMO 8903; Harowax L 9; HSDB 493; Kemester 2000; Kessco GMO; Loxiol G 10; Mazol GMO; Monoglyceryl oleate; Monomuls 90018; Monoolein; Monoolein; Monooleoylglycerol; Nikkol MGO; 9-Octadecenoic acid (Z)-, monoester with 1,2,3-propanetriol (9Cl); OL 100; Oleic acid glycerol monoester; Oleic acid, monoester

with glycerol; Oleic acid monoglyceride; Oleic monoglyceride; Olein, mono-; Oleoylglycerol; Oleylmonoglyceride; Olicine; Peceol; Rikemal O 71D; Rikemal oi 100; S 1096; S 1096R; S 1097; Sinnoester ogc; Sunsoft O 30B; Supeol.

1841 Glycerol monostearate

31566-31-1 4502 G H



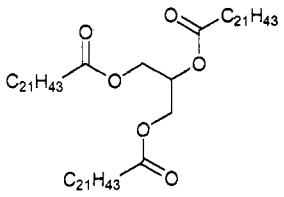
$C_{21}H_{42}O_4$

n-Octadecanoic acid, monoester with 1,2,3-propanetriol.

Abracol S.L.G.; Admul; Advawax 140; AI3-00966; Aldo-28; Aldo-72; Aldo HMS; Aldo MS; Arlacel 161; Arlacel 169; Armostat 801; Atmos 150; Atmul 124; Atmul 67; Atmul 84; Cefatin; Celinhol - A; Cerasynt 1000-D; Cerasynt S; Cerasynt SD; Cerasynt SE; Cerasynt WM; Citomulgan M; Cyclochem GMS; Dermagine; Distearin; Drewmulse TP; Drewmulse V; Drumulse AA; EINECS 250-705-4; Emcol CA; Emcol MSK; Emerest 2400; Emerest 2401; EMUL P.7; Estol 603; Glycerin monostearate; Glycerol monostearate; Glyceryl monostearate; Glyceryl stearate; Grocor 5500; Grocor 6000; Hodag GMS; Imwitor 191; Imwitor 900K; Kessco 40; Lipo GMS 410; Lipo GMS 450; Lipo GMS 600; Monelgin; Monoglyceryl stearate; Monostearate (glyceride); Monostearin; Monostearin; Myvaplex 600; Octadecanoic acid, monoester with 1,2,3-propanetriol; Ogeen 515; Ogeen GRB; Ogeen M; Ogeen MAV; Orbon; Protachem GMS; Sedetine; Starfol GMS 450; Starfol GMS 600; Starfol GMS 900; Stearates; Stearic acid, monoester with glycerol; Stearic monoglyceride; Stearoylglycerol; Tegin; Tegin 503; Tegin 515; Unimate GMS; USAF KE-7; Witconol 2400, Witconol MS; Witconol MST, Witconol RHT. Oil-water emulsifier, lubricant. Emulsifier for cosmetic, pharmaceutical, Aerosol® formulations; internal lubricant, plasticizer, and emulsifier in industrial applications; flow control agent for polymerization reactions; dispersant. Lubricant, plasticizer, oil-water emulsifier used in industrial applications. Waxy solid; mp = 56-58°; insoluble in H_2O, soluble in organic solvents. *CK Witco Corp.*

1842 Glyceryl behenate

18641-57-1 G



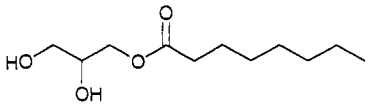
$C_{69}H_{134}O_6$

Docosanoic acid, 1,2,3-propanetriyl ester.

2-02-00-00374 (Beilstein Handbook Reference); Behenic acid, 1,2,3-propanetriol ester; BRN 1811476; Compritol 888; Docosanoic acid, 1,2,3-propanetriyl ester; Docosanoin, tri-; EINECS 242-471-7; Glyceryl tribehenate; 1,2,3-Propanetriol tridocosanoate; Propane-1,2,3-triyl tridocosanoate; Syncrowax HR-C; Tribehenin; Tribehenoyl glycerol; Tridocosanoin. Emulsifier, emollient, opacifier; also suspending agent, thickener, gloss improver used in personal care products. *Croda.*

1843 Glyceryl caprylate

26402-26-6 G



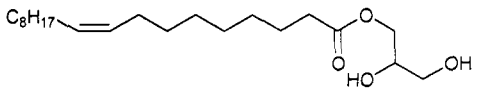
$C_{11}H_{22}O_4$

Octanoic acid monoester with 1,2,3-propanetriol.

Capmul MCM-C 8; Caprylic acid monoglyceride; EINECS 247-668-1; Glycerin monocaprylate; Glycerol monocaprylate; Glyceryl caprylate; Glyceryl monocaprylate; Imwitor 308; Monocaprylin; Monooctanoin; Octanoic acid, monoester with glycerol; Octanoic acid, monoester with 1,2,3-propanetriol; Octanoin, mono-; Poem M 100; Sefsol 318; Sunsoft 700P; Sunsoft 700p2; Witafrol® 7420; DL-glyceryl-1-mono-octanoate; caprylic/capric glycerides. Surfactant for pharmaceutical, cosmetic, nutritional fields; as emulsifier, solubilizer, dispersant, plasticizer, lubricant, consistency regulator, skin/mucous membrane protectant, refatting agent, penetrant, carrier, adsorption promoter, antifoaming agent. Solid; mp = 39.5-40.5°. *Degussa-Hüls Corp.*

1844 Glyceryl monooleate

37220-82-9 G



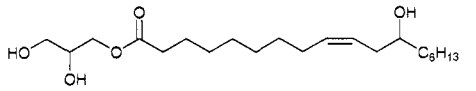
$C_{21}H_{40}O_4$

9-Octadecenoic acid (Z)-, ester with 1,2,3-propanetriol.

EINECS 253-407-2; Glycerine oleate; PEG-15 Tallow polyamine; 9-Octadecenoic acid (9Z)-, ester with 1,2,3-propanetriol; 9-Octadecenoic acid (Z)-, ester with 1,2,3-propanetriol; Polyethylene glycol (15) tallow polyamine; Polyoxyethylene (15) tallow polyamine. 1- or 2-Monoester of glycerin and oleic acid; Emulsifier, coemulsifier, stabilizer, wetting agent, lubricant, and antistat; used in cosmetic, pharmaceutical, industrial, and food applications. *Calgene; Ferro/Keil; Grindsted UK; Henkel/Emery; ICI Spec.; Inolex; Karlshamns; Lonzagroup; Mona; Patco; Stepan; Witco/Humko.*

1845 Glyceryl monoricinoleate

141-08-2 G



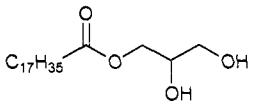
$C_{21}H_{40}O_5$

12-Hydroxy-9-octadecenoic acid, monoester with 1,2,3-propanetriol.

2,3-Dihydroxypropyl 12-hydroxy-9-octadecenoate; EINECS 205-455-0; Glyceryl monoricinoleate; Glyceryl ricinoleate; 12-Hydroxy-9-octadecenoic acid, monoester with 1,2,3-propanetriol; Monoricinolein; 9-Octadecenoic acid, 12-hydroxy-, monoester with 1,2,3-propanetriol; 9-Octadecenoic acid, 12-hydroxy-, 2,3-dihydroxypropyl ester, (9Z,12R)-; Ricinolein, 1-mono-. Used as an emulsifying agent. *CasChem; Lonzagroup.*

1846 Glyceryl stearate

123-94-4 G



$C_{21}H_{42}O_4$

Monostearin.

Aldo 33; Aldo 75; Aldo MSD; Aldo MSLG; Arlacel 165; (1)-2,3-Dihydroxypropyl stearate; EINECS 204-664-4; EINECS 245-121-1; Emerest 2407; FEMA No. 2527; Glycerin 1-monostearate; Glycerin 1-stearate; Glycerol α-monostearate; Glycerol 1-monostearate; Glycerol 1-stearate; Glyceryl monostearate; Glyceryl 1-monostearate; 1-Glyceryl stearate; NSC 3875; Octadecanoic acid, 2,3-dihydroxypropyl ester; α-Monostearin; 1-Monostearin; 1-Monostearoylglycerol; Sandin EU; Stearic acid α-monoglyceride; Stearic acid 1-monoglyceride; Stearin, 1-mono-; 3-Stearoyloxy-1,2-propanediol; Tegin 55G; Octadecanoic acid, monoester with 1,2,3-propanetriol. Nonionic secondary o/w emulsifier for creams and lotions; viscosity booster for emulsions. *Eastman Chem. Co.; Goldschmidt; Grindsted UK; Hart Prod.; Henkel/Emery; ICI Spec.; Inolex; Karlshamns; Lanaetex; Lipo; Lonzagroup; MTM Spec. Chem. Ltd.; Patco; Van Dyk; Witco/Humko.*

1847 Glyceryl stearate citrate

91744-38-6 G

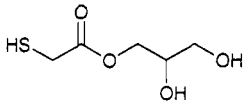
$C_{27}H_{48}O_{10}$

2-Hydroxy-1,2,3-propanetricarboxylic acid, monoester with 1,2,3-propanetriol monooctadecanoate.

EINECS 294-600-1; Glycerides, C16-18 mono-, di- and tri-, hydrogenated, citrates, potassium salts; Imwitor® 370. Food emulsifier; oil-water emulsifier for very polar oils, fats and liquid wax esters in cosmetics. *Degussa-Hüls Corp.*

1848 Glyceryl thioglycolate

30618-84-9 H



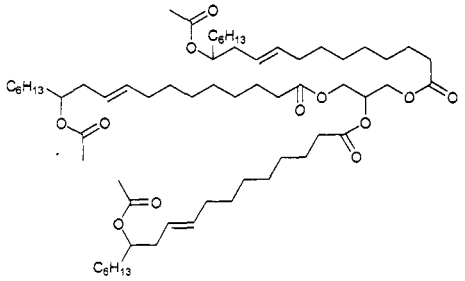
$C_5H_{10}O_4S$

Mercaptoacetic acid, monoester with 1,2,3-propanetriol.

Acetic acid, mercapto-, monoester with 1,2,3-propanetriol; Acetic acid, mercapto-, monoester with glycerol; EINECS 250-264-8; Glycerol monomercapto-acetate; Glyceryl monothioglycolate; Glyceryl thio-glycolate; Mercaptoacetic acid, monoester with propane-1,2,3-triol; Mercaptoacetic acid, monoester with 1,2,3-propanetriol. May also contain the isomeric 2'-ester.

1849 Glyceryl triacetyl ricinoleate

101-34-8 G H



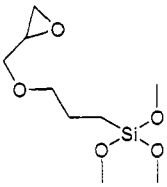
$C_{63}H_{110}O_{12}$

9-Octadecenoic acid, 12-(acetyloxy)-, 1,2,3-propanetriyl ester, (9Z,9'Z,9"Z,12R,12'R,12"R)-.

Baker P-8; EINECS 202-935-1; Glyceryl triacetyl ricinoleate; 9-Octadecenoic acid, 12-(acetyloxy)-, 1,2,3-propanetriyl; 1,2,3-Propanetriyl 12-(acetyloxy)-9-octa-decenoate; Ricinolein, tri-, triacetate. A plasticizer for vinyl polymers and GR/S, neoprene GN, ethyl cellulose, and perbunan. Used for vinyl wire jacketing and semi-rigid vinyls; as an emollient and stabilizer for anhydrated pigmented systems. Viscous oil; d = 0.967; iodine no 76; saponification no 300; insoluble in H_2O. *CasChem; Sigma-Aldrich Fine Chem.*

1850 Glycidoxypropyltrimethyoxysilane, γ

2530-83-8 G H



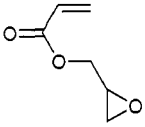
$C_9H_{20}O_5Si$

3-(2,3-Epoxypropoxy)propyltrimethoxysilane.

A 187; AI3-52752; Aktisil EM; BRN 4308125; CCRIS 3044; CG6720; DZ 6040; EINECS 219-784-2; Glycidyl 3-(trimethoxysilyl)propyl ether; Glycidyloxypropyltrimeth-oxysilane; KBM 403; KBM 430; NSC 93590; NUCA 187; Prosil® 5136; Silan A 187; Silane A 187; Silane, trimethoxy(3-(oxiranylmethoxy)propyl)-; Silane-Y-4087; Silane Z 6040; Silicone A-187; Silicone KBM 403; Union carbide A-187; Y 4087; Z 6040. Coupling agent for epoxies, urethanes, acrylics and polysulfides; filler for thermosets, chemical intermediate, blocking agent, release agent, lubricant, primer and reducing agent. Liquid; bp_2 = 120°; d = 1.0700; LD_{50} (rat orl) = 23 g/kg. *Degussa-Hüls Corp.; Hoffmann Mining; PCR.*

1851 Glycidyl acrylate

106-90-1 G



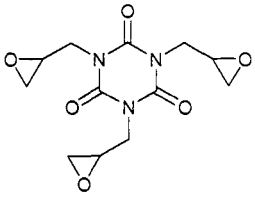
$C_6H_8O_3$

Acrylic acid 2,3-epoxypropyl ester.

4-17-00-01005 (Beilstein Handbook Reference); Acrylic acid, 2,3-epoxypropyl ester; Acrylic acid glycidyl ester; BRN 0109092; CCRIS 2625; EINECS 203-440-3; 2,3-Epoxypropyl acrylate; Glycidyl acrylate; Glycidyl propenate; Glycidylester kyseliny akrylove; HSDB 5376; M 581; Methacyclic acid, 2,3-epoxypropyl ester; NSC 24151; 1-Propanol, 2,3-epoxy-, acrylate; 2-Propenoic acid, oxiranylmethyl ester. Polyfunctional monomer; in coatings to improve adhesion to substrate and solvent resistance. Oil; bp_{10} = 53°; d^{20} =1.1109; very soluble in C_6H_6. *Estron Chemical, Inc.*

1852 Glycidyl isocyanurate

2451-62-9 H



$C_{12}H_{15}N_3O_6$

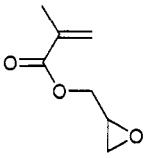
s-Triazine-2,4,6(1H,3H,5H)-trione, tris(2,3-epoxypropyl)-.

Araldite PT 810; BRN 0765833; CCRIS 6112; EINECS 219-514-3; Glycidyl isocyanurate; NSC 296964; TGT; s-Triazine-

2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2,3-epoxy-propyl)-; Tri(epoxypropyl)isocyanurate; Triglycidyl isocyanurate; N,N',N''-Triglycidyl isocyanurate; Tris(2,3-epoxypropyl)isocyanurate; XB 2615.

1853 Glycidyl methacrylate

106-91-2 G



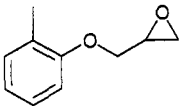
$C_7H_{10}O_3$

Methacrylic acid 2,3-epoxypropyl ester.

5-17-03-00035 (Beilstein Handbook Reference); Acriester G; Blemmer G; Blemmer GMA; BRN 0002506; CCRIS 2626; CP 105; EINECS 203-441-9; 2,3-Epoxypropyl methacrylate; Glycidol methacrylate; Glycidyl α-methyl acrylate; Glycidyl methacrylate; HSDB 494; Light Ester G; Methacrylic acid, 2,3-epoxypropyl ester; 2-((Methacryloxy)methyl)oxirane; NSC 24156; 1-Propanol, 2,3-epoxy-, methacrylate; 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester; SR 379; SY-Monomer G. Polyfunctional monomer; in hydrogels for contact lenses and membranes, molding and casting compounds, impregnating paper, concrete, wood, coatings, printing inks, adhesives, sealants, elastomers. With 50 ppm inhibitor; polyfunctional monomer polymerized by applications of heat, heat and peroxidic catalysts, and irradiation by UV, β, σ, or x-ray; in hydrogels for contact lenses and membranes, molding and casting compounds; impregnating paper, concrete and wood, coatings and printing inks, adhesives, sealents and elastomers. Liquid; bp = 189°, bp_{10} = 75°; d^{20} = 1.042; soluble in H_2O, very soluble in C_6H_6, Et_2O, EtOH; LD_{50} (rat orl) = 597 mg/kg. *Estron Chemical, Inc.; Mitsubishi Gas; Sartomer*; Gas; Mitsubishi; Sartomer.

1854 Glycidyl 2-methylphenyl ether

2210-79-9 G H



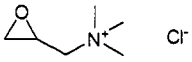
$C_{10}H_{12}O_2$

((2-Methylphenoxy)methyl)oxirane.

4-17-00-00993 (Beilstein Handbook Reference); AI3-13110; Araldite DY 023; BRN 0004585; CCRIS 2636; o-Cresol glycidyl ether; Cresyl glycidyl ether, o-; DY 023; EINECS 218-645-3; 2,3-Epoxypropyl o-tolyl ether; Glycidyl 2-methylphenyl ether; Glycidyl o-methylphenyl ether; Glycidyl o-tolyl ether; o-Kresol-glycidaether; NSC 11571; NSC 20291; Oxirane, ((2-methylphenoxy)methyl)-; Propane, 1,2-epoxy-3-(o-tolyloxy)-. Diluent for epoxy resins and cements. Liquid; bp = 259°; d = 1.09 g/ml; insoluble in H_2O, soluble in organic solvents. *Ciba-Geigy Corp.*

1855 Glycidyl trimethyl ammonium chloride

3033-77-0 G



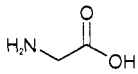
$C_6H_{14}ClNO$

2,3-Epoxypropyltrimethylammonium chloride.

Ammonium, (2,3-epoxypropyl)trimethyl-, chloride; CCRIS 4128; EINECS 221-221-0; β,σ-Epoxypropyltrimethyl-ammonium chloride; (2,3-Epoxypropyl)trimethyl-ammonium chloride; G-MAC; Glycidyl-trimethyl-ammonium chloride; N-Glycidyl-N,N,N-trimethyl-ammonium chloride; Glytac; Glytac A 100; NSC 51213; Ogtac 85 V; Oxiranemethanaminium, N,N,N-trimethyl-, chloride; 1-(Trimethylammonio)-2,3-epoxypropane chloride; Trimethylglycidylammonium chloride; N,N,N-Trimethyloxiranemethanaminium chloride. Intermediate for cationic surfactants; modifier for synthetic polymers such as starch, cellulose, gelatins, polyacrylic acids, epoxy resins; used for production of emulsion layers on photographic plates. *Chem-Y GmbH.*

1856 Glycine

56-40-6 4504 H



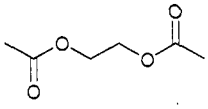
$C_2H_5NO_2$

Aminoacetic acid.

Acetic acid, amino-; Acide aminoacetique; Acido aminoacetico; Acidum aminoaceticum; Aciport; AI3-04085; Aminoacetic acid; 2-Aminoacetic acid; Aminoazijnzuur; Aminoethanoic acid; Amitone; CCRIS 5915; Corilin; EINECS 200-272-2; FEMA No. 3287; Glicina; Glicoamin; GLY; Glycin; Glycine; L-Glycine; Glycine, non-medical; Glycinum; Glycocoll; Glycolixir; Glycosthene; Hampshire glycine; HSDB 495; Leimzucker; NSC 25936; Padil; Sucre de gelatine. Used in organic synthesis, nutrient, biochemical research, buffering agent and as a chicken-feed additive. Reduces bitter taste of saccharin, retards rancidity in animal and vegetable fats. dec 233°; d = 1.1607; soluble in H_2O (25 g/100 ml), less soluble in organic solvents. *Allchem Ind.; Degussa Ltd.; Degussa-Hüls Corp.; Grace W.R. & Co.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

1857 Glycol diacetate

111-55-7 3833 G H



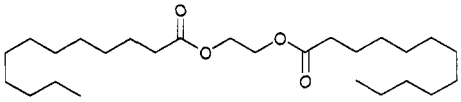
$C_6H_{10}O_4$

1,2-Ethanediol diacetate.

4-02-00-00217 (Beilstein Handbook Reference); AI3-08223; Aptex Donor H-plus; BRN 1762308; 1,2-Diacetoxyethane; EINECS 203-881-1; Ethanediol diacetate; 1,2-Ethanediol, diacetate; Ethylene di(acetate); Ethylene diacetate; Ethylene diethanoate; Ethylene glycol, diacetate; Glycol diacetate; HSDB 430; NSC 8853. Used as an extraction solvent, in foundry resins, as a perfume fixative, solvent for coatings. Liquid; mp = -31°; bp = 190°; d^{20} = 1.1043; very soluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, CS_2, AcOH; LD_{50} (rat orl) = 6.86 g/kg. *Eastman Chem. Co.; Rit-Chem.*

1858 Glycol dilaurate

624-04-4 4510 G



$C_{26}H_{50}O_4$

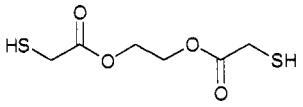
Dodecanoic acid 1,2-ethanediyl ester.

AI3-03485; Dodecanoic acid, 1,2-ethanediyl ester; EINECS 210-827-0; Emalex EG-di-L; Ethylene dilaurate; Ethylene glycol didodecanoate; Ethylene glycol dilaurate; Ethylene laurate; Glycol

dilaurate; Kemester® EGDL; Lauric acid, 1,2-ethanediyl ester; Lauric acid, ethylene ester; NSC 406565 . Oil-phase cosmetic ingredient, emulsifier for creams, milky lotions, hair conditioners; cleaner, superfattening agent, thickener, reforming agent. Used in cosmetics and pharmaceuticals. Viscous liquid; mp = 56.6°; bp_{20} = 188°; insoluble in H_2O,very soluble in EtOH, Et_2O. *Nihon Nohyaku Co. Ltd.; Witco/Humko.*

1859 Glycol dimercaptoacetate

123-81-9 G



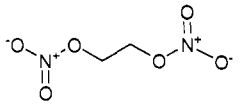
$C_6H_{10}O_4S_2$

Ethylene glycol bisthioglycolate.

Acetic acid, mercapto-, 1,2-ethanediyl ester; Acetic acid, mercapto-, ethylene ester; AI3-26087; BRN 1948305; EINECS 204-653-4; Ethylene bis(mercaptoacetate); Ethylene bis(thioglycolate); Ethylene di(S-thioacetate); Ethylene glycol bis(mercaptoacetate); Ethylene glycol bis(thioglycolate); Ethylene glycol bis(thioglycolic ester); Ethylene mercaptoacetate; GDMA; Glycol bis(mercaptoacetate); Glycol dimercaptoacetate; NSC 30032. Crosslinking agent for rubbers, accelerator in curing epoxy resins. Oil; bp_1 = 137-139°; d = 1.3170; soluble in H_2O (20 g/l), organic solvents; LD_{50} = 330 mg/kg. *Evans Chemetics; Janssen Chimica.*

1860 Glycol dinitrate

628-96-6 3834 H



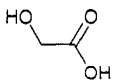
$C_2H_4N_2O_6$

Ethylene glycol dinitrate.

4-01-00-02413 (Beilstein Handbook Reference); BRN 1709055; Dinitrate d'ethylene glycol; Dinitrato de etilenglicol; Dinitroglicol; Dinitroglycol; EGDN; EINECS 211-063-0; Ethanediol dinitrate; 1,2-Ethanediol, dinitrate; Ethylene dinitrate; Ethylene glycol dinitrate; Ethylene nitrate; Ethylenglykoldinitrat; Glycol (dinitrate de); Glycol dinitrate; Glycoldinitraat; Glykoldinitrat; HSDB 537; Nitroglycol; Nitroglykol. Liquid; mp = -22.3°; bp = 198.5°; d^{20} = 1.4918; very soluble in EtOH, Et_2O.

1861 Glycolic acid

79-14-1 4511 P



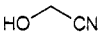
$C_2H_4O_3$

2-Hydroxyacetic acid.

4-03-00-00571 (Beilstein Handbook Reference); Acetic acid, hydroxy-; AI3-15362; BRN 1209322; Caswell No. 470; EINECS 201-180-5; EPA Pesticide Chemical Code 000101; Glycolic acid; Glycollic acid; HSDB 5227; Hydroxyacetic acid; Hydroxyethanoic acid; Kyselina glykolova; Kyselina hydroxyoctova; NSC 166. Registered by EPA as an antimicrobial and disinfectant. Used in leather dyeing and tanning; textile dyeing; cleaning, polishing and soldering compounds; copper pickling; adhesives; electroplating; petroleum demulsifier; chelating agent for iron; chemical milling; pH control. Hygroscopic crystals; mp = 80°; soluble in H_2O, organic solvents; pH of aqueous solutions = 2.5 (0.5%), 2.33 (1%), 2.16 (2%), 1.91 (5%), 1.73 (10%); LD_{50} (rat orl) = 1950 mg/kg. *DuPont; Greeff R.W. & Co.; Hoechst Celanese.*

1862 Glycolonitrile

107-16-4 H



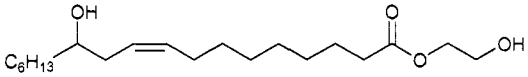
C_2H_3NO

2-Hydroxyacetonitrile.

4-03-00-00598 (Beilstein Handbook Reference); Acetonitrile, hydroxy-; AI3-23958; BRN 0605328; CCRIS 4655; Cyanomethanol; EINECS 203-469-1; Formaldehyde cyanohydrin; Glycolic nitrile; Glycollonitrile; Glycolo-nitrile; Glykolonitril; HSDB 2123; Hydroxyacetonitrile; α-Hydroxymethylcyanide; 2-Hydroxyacetonitrile; Hydroxy-azetonitril; Hydroxymethylkyanid; Hydroxymethylnitrile; Methylene cyanohydrin; NSC 1790; USAF A-8565. Liquid; mp <-72°; bp = 183° (dec), bp_{24} = 119°; freely soluble in H_2O, EtOH, Et_2O, insoluble in C_6H_6, $CHCl_3$.

1863 Glycol ricinoleate

106-17-2 G



$C_{20}H_{38}O_4$

Ethylene glycol monoricinoleate.

Cithrol EGMR N/E; EINECS 203-369-8; 1,2-Ethanediol monoricinoleate; Ethylene glycol monoricinoleate; Flexricin® 15; Glycol monoester ricinoleate; Glycol monoricinoleate; Glycol ricinoleate; 2-Hydroxyethyl 12-hydroxy-9-octadecenoate; 2-Hydroxyethyl ricinoleate; NSC 7394; 9-Octadecenoic acid, 12-hydroxy-, 2-hydroxyethyl ester; 9-Octadecenoic acid, 12-hydroxy-, 2-hydroxyethyl ester, (9Z,12R)-; 9-Octadecenoic acid, 12-hydroxy-, 2-hydroxyethyl ester, (R-{Z})- (9CI); Ricinoleic acid, 2-hydroxyethyl ester; S152. Wetting agent, plasticizer, textile, household, and cosmetic applications, rewetting dried skins; chemical intermediate. Oil; d = 0.965; insoluble in water, miscible with most organic solvents. *CasChem.*

1864 Glycols, polyethylene, monooleate

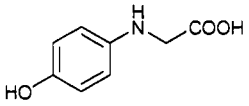
9004-96-0 E G H

Poly(oxyethylene) monooleate.

Ablunol 200MO; Akyporox O 50; Atlas G-2142; Atlas G-2144; Cemulsol 1050; Cemulsol A; Cemulsol C 105; Cemulsol D-8; Chemester 300-OC; Cithrol PO; Crodet O 6; Emanon 4115; Emcol H-2A; Emcol H 31A; Emerest 2646; Emerest 2660; Empilan BP 100; Empilan BQ 100; Emulphor A; Emulphor UN-430; Emulphor VN 430; Ethofat O; Ethofat O 15; Ethylan A3; Ethylan A6; Extrex P 60; hydroxy-; Ionet MO-400; Lannagol LF; Lipal 30W; Lipal 400-ol; Macrogol oleate 600; Nikkol MYO 10; Nikkol MYO 2; Noigen ES 160; Nonex 25; Nonex 30; Nonex 52; Nonex 64; Nonion 06; Nonion O2; Nonion O4; Nonisol 200; Nopalcol 1-0; Nopalcol 4-O; Nopalcol 6-0; OK 7; Oleic acid, ethylene oxide adduct; Oleic acid poly(oxyethylene) ester; Oleox 5; Olepal I; Olepal III; PEG 200MO; PEG 600MO; PEG 1000MO; PEG-3 Oleate; PEG-4 Oleate; PEG-5 Oleate; PEG-6 Oleate; PEG-7 Oleate; PEG-8 Oleate; PEG-9 Oleate; PEG-10 Oleate; PEG-11 Oleate; PEG-12 Oleate; PEG-14 Oleate; PEG-15 Oleate; PEG-20 Oleate; PEG-32 Oleate; PEG-36 Oleate; PEG-75 Oleate; PEG-150 Oleate; Pegosperse 400MO; Poly(ethylene oxide) oleate; Poly(oxyethylene) mono-oleate; Poly(oxyethylene) oleic acid ester; POOA; Prodhyphore B; Rokacet; Rokacet O 7; S 1006; S 1132; Slovasol A; Trydet OS series; Unisol 4-O; Witco 31; X-539-R. Emulsifier, lubricant, dispersing and leveling

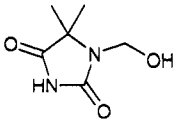
agent used in cosmetic, textile, leather, paint and other industrial uses. *Taiwan Surfactants.*

1865 **Glyconyl**
122-87-2 4863 G



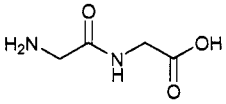
$C_8H_9NO_3$
N-(4-Hydroxyphenyl)glycine.
AI3-15473; 4-(Carboxymethylamino)phenol; EINECS 204-580-8; Glitsin; Glycin; Glycine, N-(4-hydroxyphenyl)-; Glycine, N-(p-hydroxyphenyl)-; p-Hydroxyanilinoacetic acid; p-Hydroxyphenylaminoacetic acid; Hydroxyphenyl glycine; p-Hydroxyphenyl glycine; N-(4-Hydroxy-phenyl)glycine; N-(p-Hydroxyphenyl)glycine; Iconyl; Monazol; NSC 9267; Photoglycine. A photographic developer, with p-hydroxyphenylglycine as the active constituent. Leaflets or plates; mp = 245-247°; λ_m = 240, 306 nm (ε = 9460, 2340 MeOH), 245, 311nm (ε = 9310, 2980, MeOH-KOH), 223, 276 nm (ε = 7760, 1740, MeOH-HCl); insoluble in Et_2O, slightly soluble in H_2O, EtOH, Me_2CO, C_6H_6; soluble in EtOAc, $CHCl_3$.

1866 **Glycoserve**
116-25-6 4856 G



$C_6H_{10}N_2O_3$
1-(Hydroxymethyl)-5,5-dimethylhydantoin.
Dantoin® MDMH; EINECS 204-132-1; EPA Pesticide Chemical Code 121301; GlycoServe; Hydantoin, 1-(hydroxymethyl)-5,5-dimethyl-; 1-(Hydroxymethyl)-5,5-dimethyl-2,4-imidazolidinedione; 1-(Hydroxymethyl)-5,5-dimethylhydantoin; 2,4-Imidazolidinedione, 1-(hydroxy-methyl)-5,5-dimethyl-; MDM Hydantoin; MDMH; Monomethylol dimethyl hydantoin; 1-Monomethylol-5,5-dimethylhydantoin; NSC 9185. Intermediate for cosmetics and other applications; preservation and gelation agent. Registered by EPA as an antimicrobial and disinfectant. Crystals; mp = 100°; insoluble in Et_2O, CCl_4, freely soluble in H_2O, MeOH, EtOH, Me_2CO. *Lonzagroup.*

1867 **N-Glycylglycine**
556-50-3 4516 G



$C_4H_8N_2O_3$
2-(Aminoacetamido)acetic acid.
AI3-62521; Diglycine; Diglycocoll; EINECS 209-127-8; Gly2; Glycine dipeptide; Glycine, glycyl-; Glycine, N-glycyl-; Glycylglycine; α-Glycylglycine; N-Glycylglycine; NSC 49346. Used in peptide synthesis. Solid; mp = 215° (dec); soluble in H_2O, EtOH, less soluble in organic solvents. *Am. Biorganics; Lancaster Synthesis Co.; Penta Mfg.; Spectrum Chem. Manufacturing.*

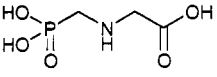
1868 **Glyoxal**
107-22-2 4522 G H

$C_2H_2O_2$
1,2-Ethanedione.
4-01-00-03625 (Beilstein Handbook Reference); Aerotex glyoxal 40; AI3-24108; Biformal; Biformyl; BRN 1732463; CCRIS 952; Diformal; Diformyl; EINECS 203-474-9; Ethanedial; 1,2-Ethanedione; Glyoxal; Glyoxylaldehyde; HSDB 497; Oxal; Oxalaldehyde. Used in textiles, glues, biocides, paper and oil field industries and in organic synthesis. Solid; mp = 15°; bp = 50.4°; λ_m = 268 nm (H_2O); very soluble in H_2O, soluble in EtOH, Et_2O; LD_{50} (rat orl) = 2020 mg/kg. *Am. Cyanamid.*

1869 **Glyoxylic acid**
298-12-4 4524 H

$C_2H_2O_3$
α-Ketoacetic acid.
4-03-00-01489 (Beilstein Handbook Reference); Acetic acid, oxo-; BRN 0741891; CCRIS 1455; EINECS 206-058-5; Formylformic acid; Glyoxalic acid; Glyoxylic acid; HSDB 5559; α-Ketoacetic acid; Kyselina glyoxylova; NSC 27785; Oxalaldehydic acid; Oxoacetic acid; Oxoethanoic acid. Prisms; mp = 98°; λ_m = 565, 576, 580, 584 nm (ε = 1, 8, 10, 8, H_2O pH 7.1); slightly soluble in EtOH, Et_2O, C_6H_6, very soluble in H_2O.

1870 **Glyphosate**
1071-83-6 4525 G H P



$C_3H_8NO_5P$
N-(Phosphonomethyl)glycine.
BRN 2045054; Caswell No. 661A; CCRIS 1587; CP 67573; EPA Pesticide Chemical Code 417300; Glyphosate; Glyphosphate; HSDB 3432; Isopropylamine glyphosate; MON 0573; MON 2139; NSC 151063; Phosphonomethyliminoacetic acid; N-(Phosphono-methyl)glycine; Pondmaster. Broad spectrum trans-locatable herbicide. Registered by EPA as a herbicide and plant growth regulator. White solid; mp = 200° (dec); soluble in H_2O (1.2 g/100 ml), insoluble in common organic solvents; LD_{50} (rat mus orl) = 5600 mg/kg, (rbt der) > 5000 mg/kg, (bobwhite quail orl) = 3850 mg/kg, (bee contact, orl) > 0.1 mg/bee; LC_{50} (rat ihl 4 hr.) = 12.2 mg/l, (quail, duck 8 day dietary) > 4640 mg/kg diet, (trout 96 hr.) = 86 mg/l, (bluegill sunfish 96 hr.) = 120 mg/l. *Albaugh Inc.; BASF Corp.; Chemisco; Dow AgroSciences; Entek Corp.; Micro-Flo Co. LLC; Riverdale Chemical Co; Syngenta Crop Protection.*

1871 **Gold**
7440-57-5 4529 G

Au

Au
Gold.

Burnish gold; C.I. 77480; C.I. Pigment Metal 3; Colloidal gold; EINECS 231-165-9; Gold; Gold-197; Gold, colloidal; Gold flake; Gold leaf; Gold powder; HSDB 2125; Magnesium gold purple; Pigment metal 3; Shell Gold. Metallic element; Au; infrared reflectors; electrical contact alloys; brazing alloys; laboratoryware; decorative arts; electronics; dental alloys; jewelry; colloidal dispersions for coloring glass, as nucleating agent, for specialized medical treatments. Metal; mp = 1064.76°; bp = 2700°; d = 19.3. *Cerac; Degussa AG; Noah Chem.; Robert Koch Industries.*

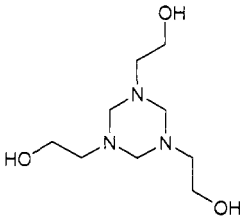
1872 **Gold trichloride**
13453-07-1 4536 G

$AuCl_3$
Gold(III) chloride.
Auric chloride; Auric trichloride; EINECS 236-623-1; Gold chloride; Gold chloride ($AuCl_3$); Gold trichloride; Gold(III) chloride. Laboratory reagent. [dihydrate]; Orange-red crystals; d ▫ 3.9; bp ▫ 229°; sublimes at 180° (760mm); soluble in water, alcohol, ether; LD_{50} (mus sc) = 1.5 g/kg. *Degussa AG; Spectrum Chem. Manufacturing.*

1873 **Graphite**
7782-42-5 4554 G

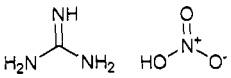
C
Graphite.
Aerodag G; AG 1500; Aquadag; AS 1; AT 20; ATJ-S; ATJ-S graphite; Black lead; C.I. 77265; C.I. Pigment Black 10; Canlub; Cb 50; CB 50; Ceylon Black Lead; CPB 5000; DC 2; EG 0; EINECS 231-955-3; Electrographite; EXP-F; Fortafil 5Y; GK 2; GK 3; GP 60; GP 60S; GP 63; Grafoil; Grafoil GTA; Graphite; Graphite, natural; Graphite, synthetic; Graphitic acid; Graphnol N 3M; GS 2; GY 70; H 451; Hitco HMG 50; IG 11; Korobon; MG 1; Mineral carbon; MPG 6; Papyex; PG 50; Plumbago; Plumbago (graphite); Pyro-Carb 406; Rocol X 7119; Rollit; S 1; S 1 (Graphite); Schungite; Shungite; Silver graphite; SKLN 1; Stove Black; Swedish Black Lead; Ucar 38; VVP 66-95. Graphite powder; used as mandrel bar lubricant. Soft black crystals; d ▫ 2.09-2.23. *Lonzagroup.*

1874 **Grotan**
4719-04-4 GP



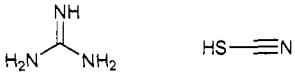
$C_9H_{21}N_3O_3$
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol.
Actane; BRN 0124982; Busan 1060; Caswell No. 481C; CCRIS 6246; EINECS 225-208-0; EPA Pesticide Chemical Code 083301; ETA 75; Grotan; Grotan B; Grotan BK; Grotan HD; Kalpur TE; KM 200 (alcohol); Miliden X-2; Nipacide® BK; NSC 516387; Onyxide 200; Ottaform 204; Rancidity control agent; Roksol T 1-7; Tris(2-hydroxyethyl)hexahydro-s-triazine.
Preservative, bacteriostat, fungistat for soluble cutting fluids, coolants and other products. Registered by EPA as an antimicrobial and disinfectant. *Arch Chemicals Inc; Avecia Inc.; BASF Microcheck Ltd.; Buckman Laboratories Inc.; Clariant Corp.; Dow Chem. U.S.A.; Henkel Surface Tech; Nalco Diversified Technologies, Inc.; Nipa; Stepan; Surety Laboratories Inc.; Troy Chemical Corp.*

1875 **Guanidine nitrate**
506-93-4 4578 GH



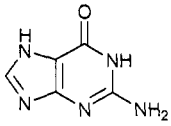
$CH_6N_4O_3$
Guanidine mononitrate.
AI3-15039; EINECS 208-060-1; Guanidine mononitrate; Guanidine nitrate; Guanidinium nitrate; HSDB 5671; NSC 7295; UN1467. Used in manufacture of explosives, disinfectants, photographic chemicals. Leaflets; mp = 217°; bp dec; very soluble in H_2O (13 g/100 ml), EtOH; LD_{50} (rat orl) = 730 mg/kg. *Dajac Labs.; Greeff R.W. & Co.; Spectrum Chem. Manufacturing.*

1876 **Guanidine thiocyanate**
593-84-0 G



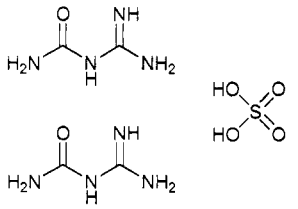
$C_2H_6N_4S$
Guanidine hydrothiocyanate.
AI3-18430; EINECS 209-812-1; Guanidine, monothiocyanate; Guanidine thiocyanate; Guanidinium thiocyanate; Isothiocyanic acid, compd. with guanidine (1:1); NSC 2119; Thiocyanic acid, compd. with guanidine (1:1); USAF EK-705. Potent protein denaturant used in isolation of intact DNA, RNA. Crystals; mp= 117°. *Dajac Labs.; Eastman Chem. Co.; Fluka; U.S. BioChem.*

1877 **Guanine**
73-40-5 4580 G



$C_5H_5N_5O$
2-Amino-1,7-dihydro-6H-purin-6-one.
AI3-24393; 2-Amino-1,7-dihydro-6H-purin-6-one; 2-Amino-6-hydroxypurine; 2-Amino-6-purinol; 2-Amino-hypoxanthine; CI 75170; CI Natural white 1; Dew Pearl; EINECS 200-799-8; Guanin; Guanine; Guanine enol; HSDB 2127; 6-Hydroxy-2-aminopurine; Hypoxanthine, 2-amino-; Mearlmaid; Natural Pearl Essence; Natural White 1; Naturon; Pathocidin; Pearl essence; 6H-Purin-6-one, 2-amino-1,7-dihydro-; Stella Polaris. Naturally occuring purine; used in biochemical research, as a pigment and in cosmetics. dec above 360°; λ_m = 246, 275 nm (ε = 10700, 8100); soluble in ammonia water, aqueous KOH solns, dilute acids; sparingly soluble in alcohol, ether; almost insoluble in water. *Greeff R.W. & Co.; Henley; Janssen Chimica; Mearl; Penta Mfg.*

1878 **Guanylurea Sulfate**
591-01-5 3120 G



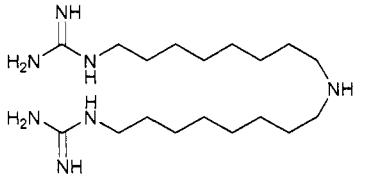
$C_4H_{14}N_8O_6S$

(Aminoiminomethyl)urea sulfate.

Bis(amidinourea) sulphate; Dicyanodiamidine sulfate; EINECS 209-697-8; Grossman's reagent; Guanylurea sulfate; N-Guanylurea sulfate; Urea, (aminoiminomethyl)-, sulfate (2:1); Urea, (aminoiminomethyl)-, sulfate (2:1). An ammoniacal solution of dicyandiamidine sulfate, a reagent for nickel, cobalt. Crystals; mp = 190°; d = 1.61; soluble in H_2O (5-30%), EtOH, insoluble in organic solvents.

1879 Guazatine

13516-27-3 P



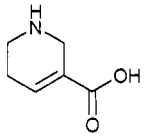
$C_{18}H_{41}N_7$

N,N-(Iminodi-8,1-octanediyl)bisguanidine.

Bis(8-guanidinooctyl)amine; Caswell No. 471D; EINECS 236-855-3; EM-379; EPA Pesticide Chemical Code 498200; Guanidine, 1,1'-(iminobis(octamethylene))di-; Guanidine, N,N'-(iminodi-8,1-octanediyl)bis-; Guazat-ine; Iminobis(octamethylene)diguanidine; Iminoctadine; Kenopel; MC 25; Panoctine; Panolil; Radam; Rappor. Fungicide and bird repellent. Brown solid; mp ≅ 60°; sg^{20} ■ 1.09; soluble in H_2O (> 300 g/100 ml), MeOH (> 300 g/100 ml), EtOH (≅20 g/100 ml), N-methylpyrrolidone (100 g/100 ml), DMSO (50 g/100 ml), DMF (50 g/100 ml), sparingly soluble in hydrocarbon solvents; LD_{50} (rat orl) = 227 - 300 mg/kg, (rat der) > 1000 mg/kg, (rbt der) = 1176 mg/kg; non-toxic to bees. *Aventis Crop Science; Dow AgroSciences; DowElanco Ltd.; KenoGard; Rhône-Poulenc.*

1880 Guvacine

498-96-4 4598 G



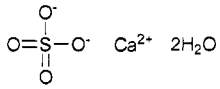
$C_6H_9NO_2$

1,2,5,6-tetrahydropyridine-3-carboxylic acid.

5-22-01-00322 (Beilstein Handbook Reference); BRN 111256; Guvacine; 3-Pyridinecarboxylic acid, 1,2,5,6-tetrahydro-; 1,2,5,6-Tetrahydro-3-pyridinecarboxylic acid; 1,2,5,6-Tetrahydronicotinic acid. A pyridine alkaloid derived from betel nuts. Its methyl ester is also called guvacine. Prisms or rods; mp = 295° (dec); very soluble in H_2O, insoluble in organic solvents.

1881 Gypsum

13397-24-5 1711 G



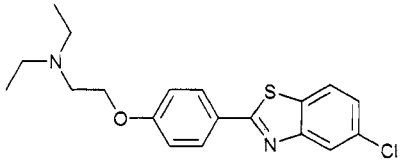
$CaO_4S.2H_2O$

Calcium sulfate.

Alabaster; Annaline; GIPS; Gypsite; Gypsum; Gypsum ($Ca(SO_4).2H_2O$); Gypsum stone; Landplaster; Lenzit; Light spar; Phosphogypsum; Satin spar; Satinite; Selenite; Terra alba. A mineral used in plasters, in Portland cement, paints, and as a filler for paper and cotton. White powder; d = 2.32; soluble in H_2O, insoluble in organic solvents.

1882 Halethazole

15599-36-7 D G



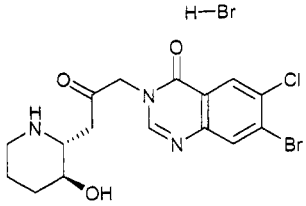
$C_{19}H_{21}ClN_2OS$

5-Chloro-2-[p-(2-diethylaminoethoxy)phenyl]benzo-thiazole.

5-Chlor-2-(4-(2-diethylaminoethoxy)phenyl)benzothiazol; 5-Chloro-2-(p-(2-diethylaminoethoxy)phenyl)benzothi-azole; Episol; Haletazol; Haletazolum; Halethazole. Antiseptic and antifungal. mp = 93-94°; [citrate]: mp = 167°. *Crookes Healthcare Ltd.*

1883 Halofuginone hydrobromide

64924-67-0 4627 G V



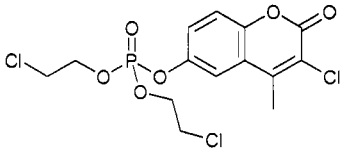
$C_{16}H_{18}Br_2ClN_3O_3$

(±)-trans-7-Bromo-6-chloro-3-[3-(3-hydroxy-2-piperidyl)-acetonyl]-4(3H)-quinazolinone monohydrobromide.

(±)-trans-7-Bromo-6-chloro-3-(3-(3-hydroxy-2-piperidyl)-acetonyl)-4(3H)-quinazolinone monohydrobromide; Halofuginone hydrobromide; 4(3H)-Quinazolinone, 7-bromo-6-chloro-3-(3-(3-hydroxy-2-piperidinyl)-2-oxo-propyl)-, hydrobromide, trans-(±)-; 4(3H)-Quinazolinone, 7-bromo-6-chloro-3-(3-(2R,3S)-3-hydroxy-2-piperidinyl)-2-oxopropyl)-, monohydrobromide, rel-; Ru 19110; Stenorol; Tempostatin. Antiprotozoal - coccidiostat Solid; mp = 247° (dec).

1884 Haloxon

321-55-1 4621 G V



$C_{14}H_{14}Cl_3O_6P$

Phosphoric acid bis(2-chloroethyl) 3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl ester.

96H60; AI3-50680; O,O-Bis(2-chloroethyl) O-(3-chloro-4-methyl-7-coumarinyl) phosphate; BRN 1271357; 3-Chloro-4-methyl-umbelliferone bis(2-chloroethyl)phos-phate; 3-Chloro-7-hydroxy-4-methylcoumarin bis(2-chlo-roethyl)phosphate; 3-Chloro-7-hydroxy-4-methyl-2H-1-benzopyran-2-one bis(chloroethyl)phosphate; Coumarin, 3-chloro-7-hydroxy-4-methyl-, bis(2-chloroethyl) phos-phate; Di-(2-chloroethyl) 3-chloro-4-methylcoumarin-7-yl phosphate; Di-(2-chloroethyl)-3-chloro-4-methyl-7-coum-arinyl phosphate; O,O-Di(2-chloroethyl)-O-(3-chloro-4-methylcoumarin-7-yl)-phosphate; EINECS 206-289-1; Ethanol, 2-chloro-, phosphate diester, ester with 3-chloro-7-hydroxy-4-methylcoumarin; Ethanol, 2-chloro-, hydro-gen phosphate, ester with 3-chloro-7-hydroxy-4-methylcoumarin; Eustidil; Galloxon; Galoxone; Haloxon; Haloxona; Haloxone; Haloxonum; *Helmirane*; Helmiron; Helmirone; Loxon; Luxon; Phosphoric acid, bis(2-chloroethyl) 3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl ester; Loxon; 3-chloro-7-hydroxy-4-methylcoumarin bis(2-chloroethyl) phosphate; 3-chloro-7-hydroxy-4-methyl-2H-1-benzopyran-2-one bis(chloroethyl) phos-phate; 3-chloro-4-methylumbelliferone di(2-chloroethyl) phosphate; galoxone; helmirone; 96-H-60; Galloxon; Luxon. A proprietary preparation of haloxon; a veterinary anthelmintic. Used in combination with oxyclozanide. Crystals; mp = 91°; LD_{50} (rat ori) = 900 mg/kg. *Schering-Plough Veterinary Operations, Inc.*

1885 Heavy aromatic distillate (petroleum)

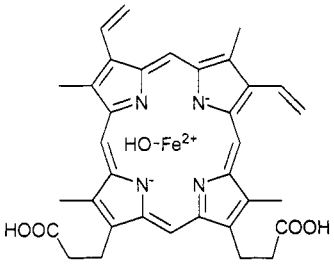
67891-79-6 H

Distillates, (petroleum), heavy arom.

Distillates, (petroleum), heavy arom.; Distillates, petroleum, heavy arom.; EINECS 267-563-4; Heavy aromatic distillate (petroleum).

1886 Hematin

15489-90-4 4652 G



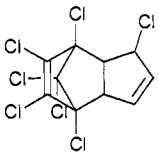
$C_{34}H_{33}FeN_4O_5$

(SP-5-13)-[7,12-diethenyl-3,8,13,17-tetramethyl-21H,23H-porphine-2,8-dipropanoato(4-)-N^{21},N^{22},N^{23},N^{24}]hydroxyferrate(2-) dihydrogen.

Bovine hemin; EINECS 239-518-9; Ferrihemate; Ferriheme; Ferriheme hydroxide; Ferrihemic acid; Ferriporphyrin hydroxide; Ferriprotoporphyrin basic; Ferriprotoporphyrin IX hydroxide; Hematin; Hematin; Hydroxy(dihydrogen protoporphyrin IX-ato^{2-})iron; Hydroxyhemin; Phenodin; Protohematin. Used in biochemical research. Crystals; λ_m = 580 nm; LD_{50} (rat iv) = 43.2 mg/kg.

1887 Heptachlor

76-44-8 4675 P



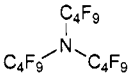
$C_{10}H_5Cl_7$

1(3a),4,5,6,7,8,8-Heptachloro-3a(1),4,7,7a-tetrahydro-4,7-methanoindene.

Aahepta; Agroceres; AI3-15152; Arbinex 30TN; Basaklor; Caswell No. 474; CCRIS 324; 3-Chlorochlordene; Drinox H-34; E 3314; ENT 15,152; EPA Pesticide Chemical Code 044801; Eptacloro; 1,4,5,6,7,8,8-Eptacloro-3a,4,7,7a-tetraidro-4,7-endo-metano-indene; Gold Crest H-60; GPKh; H-60; H-34; Hepta; Hepta; Heptachloor; Heptachlor; Heptachlorane; Heptachlore; Heptachloro-tetrahydro-4,7-methanoindene; 3,4,5,6,7,8,8a-hepta-chloro-dicyclopentadiene; 3,4,5,6,7,8,8A-heptachloro-α-dicyclopentadiene; 3,4,5,6,7,8,8a-Heptachlorodicyclo-pentadiene; 1,4,5,6,7,10,10-heptachloro-4,7,8,9-tetra-hydro-4,7-endomethyleneindene; 1,4,5,6,7,8,8-hepta-chloro-3a,4,7,7,7a-tetrahydro-4,7-methyleneindene; 1,4,5,6,7,8,8-Heptachlor-3a,4,7,7,7a-tetrahydro-4,7-endo-methano-inden; 1,4,5,6,7,8,8-Heptachloro-3a,4,7, 7a-tetrahydro-4,7-methanol-1H-indene; 1,4,5,6,7,8,8-Heptachloor-3a,4,7,7a-tetrahydro-4,7-endo-methano-indeen; Heptagran; Heptagranox; Heptaklor; Heptamak; Heptamul; Heptasol; Heptox; HSDB 554; Latka 104; 4,7-Methanoindene, 1,4,5,6,7,8,8-hepta-chloro-3a,4,7,7a-tetrahydro-; 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-; MS 193; NCI-C00180; NSC 8930O; RCRA waste number P059; Rhodiachlor; Soleptax; Technical heptachlor; Termide; Velsicol heptachlor; Velsicol 104. Registered by EPA as an insecticide (cancelled). Designated as a Persistent Organic Pollutant (POP) under the Stockholm convention. Colorless crystals - waxy solid; mp = 95 - 96°; bp = 136 - 145°; sg^{25} = 1.65 - 1.67; insoluble in H_2O (0.000056 g/100 ml), soluble in Me_2CO (75 g/100 ml), C_6H_6 (106 g/100 ml), xylene (102 g/100 ml), cyclohexanone (119 g/100 ml), CCl_4 (113 g/100 ml), EtOH (4.5 g/100 ml); LD_{50} (rat orl) ◘ 147 - 220 mg/kg, (gpg orl) ◘ 116 mg/kg, (mus orl) = 68 mg/kg, (rbt der) > 2000 mg/kg, (rat der) ◘ 119 - 250 mg/kg, (mallard duckling orl) > 2000 mg/kg; LC_{50} (bobwhite quail 8 day dietary) = 450 - 700 mg/kg diet, (Japanese quail 8 day dietary) = 80 - 95 mg/kg diet, (pheasant 8 day dietary) ◘ 250 - 275 mg/kg diet, (rainbow trout 96 hr.) = 0.007 mg/l, (bluegill sunfish 96 hr.) = 0.026 mg/l, (fathead minnow 96 hr.) = 0.078 - 0.130 mg/l. *Novartis.*

1888 Heptacosafluorotributylamine

311-89-7 H



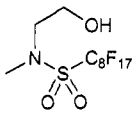
$C_{12}F_{27}N$

1,1,2,2,3,3,4,4,4-Nonafluoro-N,N-bis(nonafluorobutyl)-1-butanamine.

4-02-00-00819 (Beilstein Handbook Reference); AI3-16951; BRN 1813883; EINECS 206-223-1; FC 43; FC 47; Fluorinert FC 43; Fluorocarbon FC 43; Fluosol 43; Heptacosafluorotributylamine; HSDB 7103; Mediflor FC 43; NSC 3501; Perfluorotributylamine; Tri(nonafluoro-butyl)amine; Tri(perfluorobutyl)amine; Tributylamine, heptacosafluoro-. Oil; bp = 178°; d^{25} = 1.884; soluble in Me_2CO.

1889 Heptadecafluoro-N-(2-hydroxyethyl)-N-methyloctanesulphonamide

24448-09-7 H



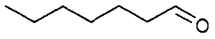
$C_{11}H_8F_{17}NO_3S$

1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-1-octanesulfonamide.

EINECS 246-262-1; Heptadecafluoro-N-(2-hydroxyethyl)-N-methyloctanesulphonamide; 1,1,2,2,3,3,4,4,5,5,6,6,7, 7,8,8,8-Heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-1-octanesulfonamide; 1-Octanesulfonamide, 1,1,2,2,3,3,4, 4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-.

1890 Heptanal

111-71-7 4677 H



$C_7H_{14}O$

n-Heptyldehyde.

4-01-00-03314 (Beilstein Handbook Reference); AI3-02066; Aldehyde C7; BRN 1560236; CCRIS 6041; EINECS 203-898-4; Enanthal; Enanthaldehyde; Enanthic aldehyde; Enanthole; FEMA Number 2541; Heptaldehyde; Heptanal; Heptylaldehyde; HSDB 6026; n-Heptaldehyde; n-Heptanal; n-Heptylaldehyde; NSC 2190; Oenanthal; Oenanthaldehyde; Oenanthic aldehyde; Oenanthol; UN3056. Liquid; mp = -43.3°; bp = 152.8°; d^{25} = 0.8132; slightly soluble in H_2O, CCl_4; freely soluble in EtOH, Et_2O.

1891 Heptane

142-82-5 4679 G H

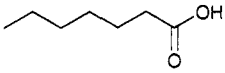
C_7H_{16}

n-Heptane.

AI3-28784; Dipropylmethane; EINECS 205-563-8; Eptani; Exxsol® Heptane; Gettysolve-C; Heptan; Heptane; n-Heptane; Heptanen; Heptyl hydride; HSDB 90; NSC 62784; Skellysolve C; UN1206. Hydrocarbon derived chiefly from petroleum. Used as a solvent. Liquid; mp = -90.6°; bp = 98.5°; d^{20} = 0.6837; insoluble in H_2O, soluble in CCl_4; very soluble in EtOH; freely soluble in Et_2O, Me_2CO, C_6H_6, $CHCl_3$, petroleum ether. *Ashland; Exxon; Humphrey; Phillips 66; Texaco.*

1892 Heptanoic acid

111-14-8 4680 G H



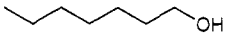
$C_7H_{14}O_2$

n-Heptanoic acid.

4-02-00-00958 (Beilstein Handbook Reference); AI3-02073; BRN 1744723; CCRIS 6042; EINECS 203-838-7; Enanthic acid; Enanthylic acid; FEMA No. 3348; Heptanoic acid; n-Heptanoic acid; Heptoic acid; Heptylic acid; Hexacid C-7; 1-Hexanecarboxylic acid; HSDB 5546; NSC 2192; Oenanthic acid; Oenanthylic acid. Liquid; mp = -7.5°; bp = 222.2°; d^{20} = 0.9181; slightly soluble in H_2O, CCl_4, soluble in EtOH, Et_2O,Me_2CO; LD_{50} (mus iv) = 1200 mg/kg.

1893 Heptanol

111-70-6 4681 G



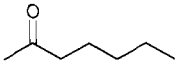
$C_7H_{16}O$

n-Heptyl alcohol.

4-01-00-01731 (Beilstein Handbook Reference); AI3-15363; Alcohol C7; l'Alcool N-heptylique primaire; BRN 1731686; C7 alcohol; EINECS 203-897-9; Enanthic alcohol; Enanthyl alcohol; Fatty alcohol (C7); FEMA Number 2548; Gentanol; Heptanol; 1-Heptanol; Heptanol; Heptyl alcohol; Heptyl alcohol, primary; Hexyl carbinol; HSDB 1077; Hydroxy heptane; 1-Hydroxyheptane; n-Heptan-1-ol; n-Heptanol; n-Heptyl alcohol; NSC 3703; Pri-n-heptyl alcohol. Organic intermediate, solvent, cosmetic formulations. Liquid; mp = -34°; bp = 176.4°; d^{20} = 0.8219; slightly soluble in H_2O (1 g/l), CCl_4, freely soluble in EtOH, Et_2O. *Elf Atochem N. Am.; Penta Mfg.; Suchema.*

1894 2-Heptanone

110-43-0 4683 G H



$C_7H_{14}O$

Methyl n-amyl ketone.

4-01-00-03318 (Beilstein Handbook Reference); AI3-01230; Amyl-methyl-cetone; Amyl methyl ketone; BRN 1699063; Butylacetone; EINECS 203-767-1; FEMA Number 2544; 2-Heptanone; HSDB 1122; Ketone C-7; Ketone, methyl pentyl; MAK; Methyl-amyl-cetone; Methyl amyl ketone; Methyl-n-amyl ketone; Methyl n-pentyl ketone; Methyl pentyl ketone; NSC 7313; Pentyl methyl ketone; UN1110. Industrial solvent for nitrocellulose lacquers, synthetic flavoring and perfumery. Liquid; mp = -35°; bp = 151.0°; d^{20} = 0.8111; λ_m = 274 nm (ε = 22, MeOH); soluble in EtOH, Et_2O, very soluble in H_2O; LD_{50} (rat orl) = 1670 mg/kg. *Ashland; Eastman Chem. Co.; Union Carbide Corp.*

1895 Heptene

25339-56-4 H

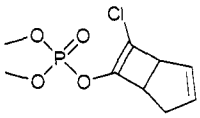
C_7H_{14}

Heptene, mixed isomers.

EINECS 246-871-2; Heptene; Heptene (mixed cis and trans); Heptylene.

1896 Heptenophos

23560-59-0 4684 G P



$C_9H_{12}ClO_4P$

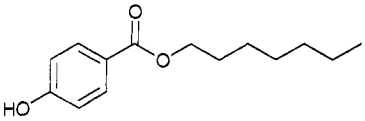
7-Chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phos-phate.

AI3-27500; BRN 1978448; Caswell No. 721C; 7-Chlorobicyclo(3.2.0)hepta-2,6-dien-6-yl dimethyl phos-phate; O,O-Dimethyl-O-(6-chlorobicyclo(3.2.0)hepta-dien-1,5-yl)phosphate; 5-(O,O-Dimethylphosphoryl)-6-chlorobicyclo(3.2.0)hepta-1,5-dien; EINECS 245-737-0; EPA Pesticide Chemical Code 215600; Heptenophos; HOE 02982; HOE 2982; HOE 2982 OJ; Hostaquick; Hostavik; Phosphonic acid, (7-chlorobicyclo(3.2.0)hepta-3,6-dien-6-

yloxy)-, dimethyl ester; Phosphoric acid, (7-chloro-bicyclo(3.2.0)hepta-2,6-dien-6-yl) dimethyl ester; Ragadan; XOE 2982; Hostaquick; Hostavik; OMS 1845; O,O'-Dimethyl-O-(6-chlorobicyclo(3.2.0)heptadiene-1,5-yl)phosphate; Phosphoric acid, (7-chloro-bicyclo-(3.2.0)hepta-2,6-dien-6-yl) dimethyl ester; Ragadan; XOE 2982. Systemic insecticide with contact, stomach and respiratory action. Used for control of sucking insects, particularly aphids, in a variety of crops. Pale-brown liquid; $bp_{0.1}$ = 64°; sg^{20} = 1.294; soluble in H_2O (0.22 g/100 ml at 23°), C_6H_{14} (13 g/100 ml), Me_2CO, MeOH, xylene (all > 100 g/100 ml); LD_{50} (mrat orl) = 121 mg/kg, (frat orl) = 96 mg/kg, (dog orl) > 500 mg/kg, (frat der) = 2925 mg/kg, (Japanese quail orl) = 17 - 50 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.4 mg/l air; (guppy 96 hr.) ■ 13.1 g/l, (carp 96 hr.) = 46 mg/l; toxic to bees. *AgrEvo; Hoechst AG; Hoechst UK Ltd.*

1897 Heptylparaben

1085-12-7 G



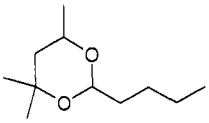
$C_{14}H_{20}O_3$

n-Heptyl p-hydroxybenzoate.

4-10-00-00378 (Beilstein Handbook Reference); Benzoic acid, 4-hydroxy-, heptyl ester; Benzoic acid, P-hydroxy-, heptyl ester; BRN 2726540; EINECS 214-115-0; Heptyl 4-hydroxybenzoate; Heptyl p-hydroxybenzoate; n-Heptyl p-hydroxybenzoate; Heptyl paraben; p-Hydroxybenzoic acid heptyl ester; Nipaheptyl; NSC 309818; p-Oxybenzoesaureheptylester; Staypro WS 7. Preservative, bactericide, fungicide for pharmaceuticals, cosmetics, foods, medicinal preparations and industrial applications. *Nipa.*

1898 Herborane

54546-26-8 G



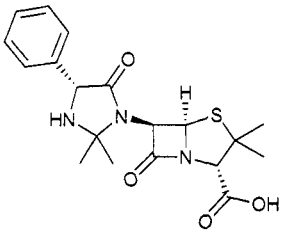
$C_{11}H_{22}O_2$

2-Butyl-4,4,6-trimethyl-1,3-dioxane.

2-Butyl-4,4,6-trimethyl-1,3-dioxane; 1,3-Dioxane, 2-butyl-4,4,6-trimethyl-; EINECS 259-210-8. A flavorant. *Quest UK.*

1899 Hetacillin

3511-16-8 4691 D G



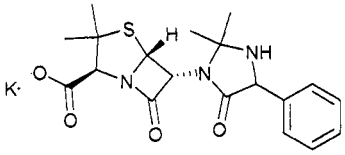
$C_{19}H_{23}N_3O_4S$

Versapen.

BL-P 804; BRL 804; 6-(2,2-Dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)penicillanic acid; 6-(2,2-Dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)-3,3-dimethyl-7-oxo-4-thia-1-azabicycloheptane-2-carboxylic acid; EINECS 222-512-5; Etacillina; Hetacilina; Hetacillin; Hetacilline; Hetacill-inum; N,N'-Isopropylidene-A-amino-benzyl penicillin; Penplenum; Phenazacillin; 4-Thia-1-azabicyclo(3.2.0)-heptane-2-carboxylic acid, 6-(2,2-dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)-3,3-dimethyl-7-oxo-, (2S-(2α, 5α,6β(S*)))-; Versapen; Versatrex. Antibacterial. Solid; dec 182.8-183.9°, 189.2-191.0°; $[\alpha]_D^{25}$= +366° (C_5H_5N). *Bristol Laboratories; Bristol-Myers Squibb Pharm. R&D.*

1900 Hetacillin potassium

5321-32-4 4691 D G V



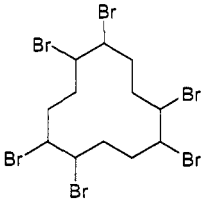
$C_{19}H_{22}KN_3O_4S$

[2S-[2α,5α,6β(S*)]]-6-(2,2-Dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo-[3.2.0]heptane-2-carboxylic acid potassium salt.

EINECS 226-182-3; H-K Mastitis (Veterinary); Hetacillin potassium; Hetacin-K (Veterinary); Natacillin; Potassium 6-(2,2-dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)-3,3- di-methyl-7-oxo-4-thia-1-azabicyclo(3.2.0)heptane-2-carb-oxylate; Potassium (2S-(2α,5α,6β(S*)))-6-(2,2-di-methyl-5-oxo-4-phenylimidazolidin-1-yl)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo(3.2.0)heptane-2-carboxylate; Potassium hetacillin; 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxyl-ic acid, 6-(2,2-dimethyl-5-oxo-4-phenyl-1-imidazolidinyl) -3,3-dimethyl-7-oxo-, monopotassium salt, (2S-(2α,5α, 6β(S*)))-; 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxylic acid, 6-(2,2-dimethyl-; 5-oxo-4-phenyl-imidazolinyl)-3,3-dimethyl-7-oxo-, monopotassium salt. Antibacterial. Used to treat mastitis in cattle. *Bristol-Myers Squibb Pharm. R&D.*

1901 Hexabromocyclododecane

3194-55-6 G H



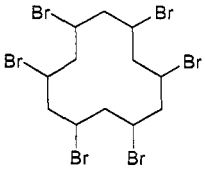
$C_{12}H_{18}Br_6$

1,2,5,6,9,10-Hexabromocyclododecane.

Cyclododecane, 1,2,5,6,9,10-hexabromo-; EINECS 221-695-9; Hexabromocyclododecane; HSDB 6110; Saytex® HBCD-LM. Low melting flame retardant Solid; mp■ 173-177°. *Ethyl Corp.*

1902 Hexabromocyclododecane

25637-99-4 G

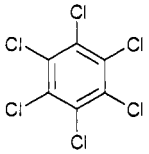


$C_{12}H_{18}Br_6$
1,2,5,6,9,10-Hexabromocyclododecane.
CCRIS 4821; Cyclododecane, hexabromo-; EINECS 247-148-4; FR-1206; Great Lakes CD-75P™; Great Lakes SP-75™; Hexabromocyclododecane; Saytex® 60006L; Saytex® BCT-610; Saytex® HBCD-LM. Fire retardant for wide range of plastics, textiles, adhesives, and coatings; esp. for styrene-based systems. Solid; mp ▪ 188-191; d = 2.36; soluble in common solvents; LD_{50} (rat orl) >10,000 mg/kg, (rbt dermal) >10,000 mg/kg. *Amerihaas; Dead Sea Bromine; Great Lakes Fine Chem.*

1903 Hexachlornaphthalene
1335-87-1 G

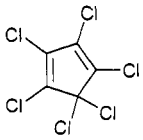
$C_{10}H_2Cl_6$
Naphthalene, hexachloro-.
EINECS 215-641-3; Halowax 1014; Hexachlornaftalen; Hexachloronaphthalene; HSDB 2509. Used to insulate electrical equipment, in flameproofing and water proofing, and as a lubricant additive. Crystals; mp = 137°; bp = 343-387°. *Bakelite Corp.*

1904 Hexachlorobenzene
118-74-1 4696 G P



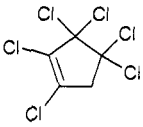
C_6Cl_6
Pentachlorophenyl chloride.
4-05-00-00670 (Beilstein Handbook Reference); AI 3.01719; Amatin; Anticarie; Benzene, hexachloro-; BRN 1912585; Bunt-cure; Bunt-no-more; Caswell No. 477; CCRIS 325; CEKU C.B.; CO-OP Hexa; EINECS 204-273-9; ENT-1719; EPA Pesticide Chemical Code 061001; Esaclorobenzene; Granox; Granox NM; HCB; Hexa C.B.; Hexa CB; Hexachlorbenzol; Hexachlorobenzene; HSDB 1724; Julin's carbon chloride; NO Bunt; NO Bunt 40; NO Bunt 80; NO Bunt liquid; NSC 9243; Perchlorobenzene; Phenyl perchloryl; RCRA waste number U127; Saatbeizfungizid; Sanocid; Sanocide; Smut-Go; Snieciotox; UN2729; Voronit C. Different from benzenehexachloride (lindane). Used in organic synthesis. Has been used in agriculture as a fungicide. Designated as a Persistent Organic Pollutant (POP) under the Stockholm convention. Colorless crystals; mp = 231.8°; bp = 325°;λ_m = 291, 301 nm (ε = 245, 209, EtOH); insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, $CHCl_3$, very soluble in C_6H_6; LD_{50} (rat orl) = 10 g/kg. *Cequisa; Compania Quimica; Generic; Hightex.*

1905 Hexachlorocyclopentadiene
77-47-4 H



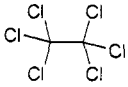
C_5Cl_6
Hexachloro-1,3-cyclopentadiene.
4-05-00-00381 (Beilstein Handbook Reference); AI3-15558; BRN 0976722; C 56; C-56; Caswell No. 478; CCRIS 5919; Cyclopentadiene, hexachloro-; EINECS 201-029-3; EPA Pesticide Chemical Code 027502; Graphlox; Hexachlorcyklopentadien; Hexachloro-1,3-cyclopenta-diene; Hexachlorocyclopentadiene; HRS 1655; HSDB 4011; NCI-C55607; NSC 9235; Perchloro-1,3-cyclopentadiene; Perchlorocyclopentadiene; RCRA waste number U130; UN2646. Pesticide. No longer used. Yellow-green liquid; mp = -9°; $bp^{0.3}$ = 48°, bp ▪ 239°; d^{25} = 1.7019; λ_m = 323 nm (ε 1549). *Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1906 Hexachlorocyclopentene
72030-26-3 H



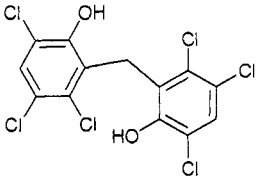
$C_5H_2Cl_6$
Cyclopentene, hexachloro-.
Cyclopentene, hexachloro-; Hexachlorocyclopentene.

1907 Hexachloroethane
67-72-1 4698 H



C_2Cl_6
Ethane, hexachloro-.
4-01-00-00148 (Beilstein Handbook Reference); AI3-00633; Avlothane; BRN 1740341; Caswell No. 479; CCRIS 330; Distokal; Distopan; Distopin; Egitol; EINECS 200-666-4; EPA Pesticide Chemical Code 045201; Ethane hexachloride; Ethane, hexachloro-; Ethylene hexa-chloride; Falkitol; Fasciolin; Fron 110; Hexachlor-aethan; Hexachlor-äthan; Hexachlorethane; Hexachloro-ethane; Hexachloroethylene; HSDB 2033; Mottenhexe; NCI-C04604; NSC 9224; Perchloroethane; Phenohep; RCRA waste number U131. Used as a solvent, in smoke generators, fire extinguishers, in refining of aluminum and magnesium as a polymer additive and vulcanizing agent. Solid; mp = 187° (triple point); d^{20} = 2.091; slightly soluble in H_2O, very soluble in organic solvents; MLD (dog iv) = 325 mg/kg. *Lancaster Synthesis Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.*

1908 Hexachlorophene
70-30-4 4699 G

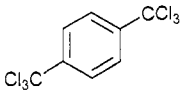


$C_{13}H_6Cl_6O_2$
2,2'-Methylenebis(3,4,6-trichlorophenol).
4-06-00-06659 (Beilstein Handbook Reference); Acigena; AI3-02372; Almederm; At-17; AT 7; B & b Flea Kontroller for Dogs Only; B32; Bilevon; Bis-2,3,5-trichloro-6-hydroxyfenylmethan; Bis(2-hydroxy-3,5,6-trichloro-phenyl)methane; Bis(3,5,6-trichloro-2-hydroxyphenyl)-methane; Bivelon; Blockade Anti Bacterial Finish; Brevity Blue Liquid Sanitizing Scouring Cream; Brevity Blue Liquid Bacteriostatic Scouring Cream; BRN 2064407; Caswell No. 566; CCRIS 331; Compound G-11; Cotofilm; Dermadex; Dihydroxy-3,3'5,5',6,6'-hexachlorodiphenyl-methane; 2,2'-Dihydroxy-3,5,6,3',5',6'-hexachlorodi-phenylmethane; Distodin; EINECS 200-733-8; Eleven; En-Viron D Concentrated Phenolic Disinfectant;

Enditch Pet Shampoo; EPA Pesticide Chemical Code 044901; Esaclorofene; Exofene; Fesia-sin; Fomac; Fostril; G-11; G-Eleven; Gamophen; Gamophene; Germa-medica; German-Medica; HCP; Hexabalm; 2,2',3,3',5,5'-Hexa-chloro-6,6'-dihydroxydiphenylmethane; Hexa-chlorofen; Hexachlorophen; Hexachlorophene; Hexachlorophenum; Hexaclorofeno; Hexafen; Hexaphene-LV; Hexide; Hexophene; Hexosan; Hilo Cat Flea Powder; Hilo Flea Powder; HSDB 224; Methane, bis(2,3,5-trichloro-6-hydroxyphenyl)-; Methylene-bis(3,4,6-trichlorophenol); Nabac; Nabac 25 EC; NCI-C02653; Neosept V; NSC 49115; Pedigree Dog Shampoo Bar; Phenol, 2,2'-methylenebis(3,4,6-trichloro)-; Phisodan; pHisoHex; RCRA waste number U132; Ritosept; Septisol; Septofen; Soy-Dome; Staphene O; Steral; Steraskin; Surgi-Cen; Surgi-cin; Surofene; Tersaseptic; Thera-Groom Pet Shampoo for Dogs for Veterinary Use Only; Trichlorophene; Turgex; UN2875. Used in manufacture of germicidal soaps. mp ▪ 166.5°; insoluble in H_2O, soluble in organic solvents; LD_{50} (mrat orl) = 66 mg/kg, (frat orl) = 67 mg/kg. *Sanofi Synthelabo; SmithKline Beecham Pharm.*

1909 Hexachloro-p-xylene

68-36-0 1299 H



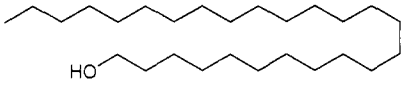
$C_8H_4Cl_6$

Benzene, 1,4-bis(trichloromethyl)-.

4-05-00-00968 (Beilstein Handbook Reference); AI3-02587; Benzene, 1,4-bis(trichloromethyl)-; Bitriben; BRN 2051282; Chloksil; Chloxil; Chloxyl; Cloxil; EINECS 200-686-3; Hetol; Hexachloro-4-xylene; Hexachloro-paraxylol; Hexichol; HSDB 5202; Khloksil; Khloxil; NSC 41883; p-Xylene, α,α'-hexachloro-; p-Xylene, α,α,α,α',α',α'-hexachloro-. Used as an insecticide and an anthelmintic effective against trematodes. White solid; mp = 109°; soluble in $CHCl_3$; λ_m = 236, 273, 281 nm (MeOH).

1910 Hexacosyl alcohol

506-52-5 H



$C_{26}H_{54}O$

n-Hexacosanol.

EINECS 208-044-4; 1-Hexacosanol; n-Hexacosanol; Hexacosyl alcohol; NSC 4058. Rhombic plates, mp ▪ 80°, bp_{20} ▪ 305° (dec); insoluble in H_2O, soluble in EtOH, Et_2O.

1911 Hexadecane

544-76-3 H

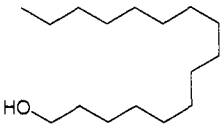
$C_{16}H_{34}$

n-Hexadecane.

4-01-00-00537 (Beilstein Handbook Reference); AI3-06522; BRN 1736592; CCRIS 5833; Cetane; n-Cetane; EINECS 208-878-9; Hexadecane; n-Hexadecane; HSDB 6854; NSC 7334. Liquid; mp = 18.1°; bp = 286.8°; d^{20} ▪ 0.7733; insoluble in H_2O, slightly soluble in EtOH, soluble in CCl_4, freely soluble in Et_2O.

1912 Hexadecanol

36653-82-4 2037 G H



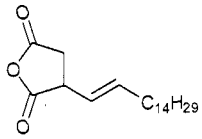
$C_{16}H_{34}O$

1-Hexadecanol.

4-01-00-01876 (Beilstein Handbook Reference); Adol; Adol 52; Adol 52 NF; Adol 520; Adol 54; Adol® 52 NF; AI3-00755; Alcohol C-16; Aldol 54; Alfol 16; Ataico C; BRN 1748475; C16 alcohol; Cachalot C-50; Cachalot C-51; Cachalot C-52; Cachalot® C-50 NF; Caswell No. 165D; Cetaffine; Cetal; Cetalol CA; Cetanol; 1-Cetanol; Cetostearyl alcohol; Cetyl alcohol; n-Cetyl alcohol; Cetylic alcohol; Cetylol; CO-1670; CO-1695; Crodacol C; Crodacol-cas; Crodacol-cat; Cyclal cetyl alcohol; Dytol F-11; EINECS 253-149-0; Elfacos C; EPA Pesticide Chemical Code 001508; EPAL 16NF; Ethal; Ethol; Fatty alcohol(C16); FEMA Number 2554; Hexadecanol; n-Hexadecanol; n-1-Hexadecanol; Hexadecan-1-ol; 1-Hexadecanol; Hexadecyl alcohol; n-Hexadecyl alcohol; 1-Hexadecyl alcohol; HSDB 2643; Hyfatol; Hyfatol 16; Lanol C; Lorol 24; LorolL 24; Loxanol K; Loxanol K Extra; Loxanwachs SK; NSC 4194; Palmityl alcohol; Product 308; Rita CA; Siponol CC; Siponol wax-A; SSD; SSD RP. Coemulsifier, lubricant, foam control agent, cosolvent; plasticizer, stabilizer, emollient, intermediate for metal lubricants, inks, textiles, emulsions, paper, cosmetics, mineral processing, oil field chemicals and fabric softeners. Used in cosmetics. Raw material for cosmetics & pharmaceuticals, as an auxiliary emulsifier and for viscosity control. Secondary emulsifier, thickener, opacifier, and structural agent in anhydrous stick systems. Cetyl alcohol NF is a primary structural agent in antiperspirant sticks. Solid; mp ▪ 48-50°; bp_{15} = 189-190°; d = 0.8180; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) ▪ 5 g/kg. *Aarhus Oliefabrik A/S; Amerchol; Chemron; Croda; Ethyl Corp.; Lipo; Lonzagroup; Michel M.; Norman-Fox; Procter & Gamble Co.; Rita; Stepan; Vista.*

1913 Hexadecenylsuccinic anhydride

32072-96-1 H



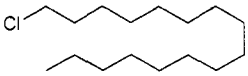
$C_{20}H_{34}O_3$

2,5-Furandione, 3-(hexadecenyl)dihydro-.

EINECS 250-911-4; 2,5-Furandione, 3-(hexadecenyl)-dihydro-; Hexadecenylsuccinic anhydride; Succinic anhydride, hexadecenyl-.

1914 Hexadecyl chloride

4860-03-1 H



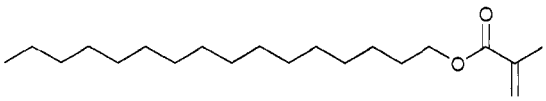
$C_{16}H_{33}Cl$

1-Chloro-n-hexadecane.

Cetyl chloride; 1-Chlorohexadecane; EINECS 225-461-7; Hexadecane, 1-chloro-; Hexadecyl chloride; n-Hexadecyl chloride; NSC 57106. Liquid; mp = 17.9°; bp ▪ 322°; d^{20} = 0.8652; insoluble in H_2O.

1915 Hexadecyl methacrylate

2495-27-4 H



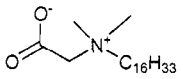
$C_{20}H_{38}O_2$

2-Propenoic acid, 2-methyl-, n-hexadecyl ester.

Cetyl methacrylate; EINECS 219-672-3; Hexadecyl 2-methyl-2-propenoate; Hexadecyl methacrylate; HSDB 5883; Methacrylic acid, hexadecyl ester; 2-Propenoic acid, 2-methyl-, hexadecyl ester.

1916 Hexadecylbetaine

693-33-4 H



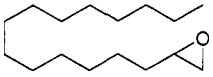
$C_{20}H_{41}NO_2$

N-(Carboxymethyl)-N,N-dimethyl-1-hexadecanaminium hydroxide inner salt.

4-04-00-02387 (Beilstein Handbook Reference); Ammonium, (carboxymethyl)hexadecyldimethyl-, hydroxide, inner salt; BRN 3676787; (Carboxymethyl)-hexadecyldimethylammonium hydroxide, inner salt; C16BET; Cetyl betaine; EINECS 211-748-4; Hexadecylbetaine; Lonzaine 16S; N-(Carboxymethyl)-N,N-dimethyl-1-hexadecanaminium hydroxide inner salt; Palmityldimethylbetaine; Product HDN.

1917 Hexadecylene oxide

7320-37-8 H



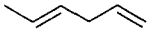
$C_{16}H_{32}O$

1,2-Epoxyhexadecane.

5-17-01-00169 (Beilstein Handbook Reference); AI3-32877; BRN 0110428; CCRIS 2618; EINECS 230-786-2; Hexadecane, 1,2-epoxy-; 1,2-Hexadecane oxide; Hexadecene epoxide; 1,2-Hexadecene epoxide; HSDB 4187; NCI-C55538; Oxirane, tetradecyl-; Tetradecyl-oxirane.

1918 Hexa-1,4-diene

592-45-0 H



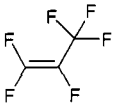
C_6H_{10}

1-Allylpropene.

Allylpropenyl; 1-Allylpropene; EINECS 209-756-8; 1,4-Hexadiene; HSDB 5708. Liquid; bp = 65°; d^{20} = 0.7000; insoluble in H_2O, very soluble in Et_2O.

1919 Hexafluoropropylene

116-15-4 H



C_3F_6

1,1,2,3,3,3-Hexafluoro-1-propene.

EINECS 204-127-4; Hexafluoropropene; 1,1,2,3,3,3-Hexafluoro-1-propene; Hexafluoropropylene; HSDB 5582; Perfluoro-1-propene; Perfluoropropene; Perfluoro-propylene; Propene, hexafluoro-; 1-Propene, 1,1,2,3,3,3-hexafluoro-; R1216; UN1858. Gas; mp = -156.5°; bp = -29.6°; d^{-40} = 1.583.

1920 Hexahydroazepine

111-49-9 H

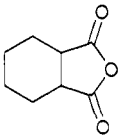
$C_6H_{13}N$

1-Azacycloheptane.

5-20-04-00003 (Beilstein Handbook Reference); AI3-26610; Azacycloheptane; 1-Azacycloheptane; Azepine, hexahydro-; 1H-Azepine, hexahydro-; BRN 0001084; CP 18407; Cycloheptane, 1-aza-; Cyclohexamethylenimine; EINECS 203-875-9; G 0; Hexahydroazepine; Hexahydro-1H-azepine; Hexamethylenimine; HMI; Homopiperidine; HSDB 562; NSC 16236; Perhydroazepine; UN2493. Liquid; bp = 138°; d^{22} = 0.8643; soluble in H_2O, very soluble in EtOH, Et_2O.

1921 Hexahydrophthalic anhydride

85-42-7 H



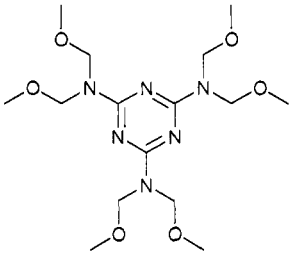
$C_8H_{10}O_3$

Cyclohexane-1,2-dicarboxylic anhydride.

Araldite HT 907; Cyclohexane-1,2-dicarboxylic anhydride; EINECS 201-604-9; Hexahydrophthalic acid anhydride; Hexahydrophthalic anhydride; HHPA; Lekutherm Hardener H; NSC 8622; NT 907. Widely used as an epoxy hardener. It may also be used in the manufacture of alkyd resins, plasticizers, and polyesters. Crystals; mp = 32°; bp_{18} = 145°. *Buffalo Color Corp.*

1922 Hexa(methoxymethyl)melamine

3089-11-0 H



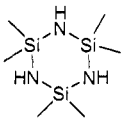
$C_{15}H_{30}N_6O_6$

Hexakis(methoxymethyl)-s-triazine-2,4,6-triamine.

4-26-00-01274 (Beilstein Handbook Reference); AI3-26859; BRN 0356813; EINECS 221-422-3; Hexa(meth-oxymethyl)melamine; Hexakis(methoxy-methyl)-s-triaz-ine-2,4,6-triamine; Hexamethyl methyl-olmelamine; Hexamethylol-melamin-hexa-methyläther; Hexamethylol-melamine hexamethyl ether; LK 36; Malamine, hexakis(methoxymethyl); Pidifix 330; TLF-3617.

1923 Hexamethylcyclotrisilazane

1009-93-4 G



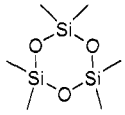
$C_6H_{21}N_3Si_3$

1,1,3,3,5,5-Hexamethylcyclotrisilazane.

4-04-00-04114 (Beilstein Handbook Reference); BRN 0774739; Cyclotrisilazane, 2,2,4,4,6,6-hexamethyl-; Di-methylsilazane trimer; EINECS 213-773-6; Hexamethyl-cyclotrisilazane; 2,2,4,4,6,6-Hexamethyl-cyclotrisilazane; NSC 139842. Difunctional blocking agent; reagent for cyclosilylation. Liquid; mp= -10°; bp = 188°; d^{20} = 0.9196. *Hüls Am.*

1924 Hexamethylcyclotrisiloxane

541-05-9 H



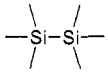
$C_6H_{18}O_3Si_3$

Dimethylsiloxane cyclic trimer.

AI3-62005; CCRIS 1326; CH7260; Cyclotrisiloxane, hexamethyl-; DC 246; Dimethylsiloxane cyclic trimer; EINECS 208-765-4; Hexamethylcyclotrisiloxane; LS 8120; SDK 10. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, and reducing agent. Solid; mp = 64.5°; bp = 134°; d^{20} = 1.1200; insoluble in H_2O. *Degussa-Hüls Corp.*

1925 Hexamethyldisilane

1450-14-2 G



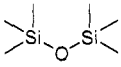
$C_6H_{18}Si_2$

Permethyldisilane.

CH7280; Disilane, hexamethyl-; EINECS 215-911-0; Hexamethyldisilane; Permethyldisilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, and reducing agent. Starting material for preparation of trimethylsilyl alkali compounds. Liquid; mp = 15°; bp = 112-114°; d = 0.7247; λ_m = 198 nm (ε = 8511, cyclohexane); insoluble in H_2O, soluble in Et_2O, Me_2CO, C_6H_6, freely soluble in alkali. *Degussa-Hüls Corp.; Greeff R.W. & Co.*

1926 Hexamethyldisiloxane

107-46-0 G H



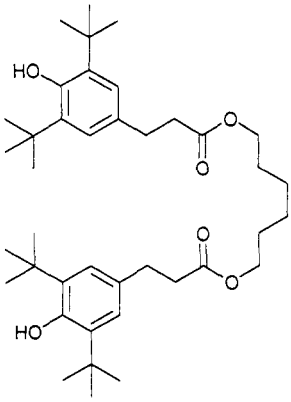
$C_6H_{18}OSi_2$

Bis-trimethylsilyl oxide.

AI3-51466; Belsil DM 0.65; Bis-trimethylsilyl oxide; Bistrimethylsilyl ether; CCRIS 1325; CH7310; Disiloxane, hexamethyl-; EINECS 203-492-7; Fluka AG; H7250; H7310; HMDSO; Hexamethyldisiloxane; HMS; HSDB 5378; KF 96L; NSC 43346; OS 10; Oxybis(trimethylsilane); Silane, oxybis(trimethyl-; SWS-F 221. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, and reducing agent. Used as cleaning, polishing and damping media; offers low toxicity, inertness. Liquid; mp = -66°; bp = 99°; d^{20} = 0.7638; insoluble in H_2O. *Hüls Am.*

1927 Hexamethylene bis(3,5-di-t-butyl-4-hydroxyhydrocinnamate)

35074-77-2 H



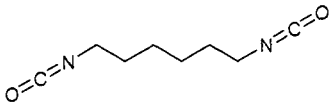
$C_{40}H_{62}O_6$

1,6-Hexamethylenebis(3,5-t-butyl-4-hydroxyhydro-cinnamate).

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,6-hexanediyl ester; EINECS 252-346-9; Hexamethylene bis(3-(3,5-di-t-butyl-4-hydroxyphenyl)-propionate); Hexamethylene bis(3,5-di-t-butyl-4-hydroxy-hydrocinnamate); 1,6-Hexamethylenebis(3,5-t-butyl-4-hydroxyhydrocinnamate); 1,6-Hexanediyl 3,5-bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoate; Irganox 249; Irganox 259.

1928 Hexamethylene diisocyanate

822-06-0 H



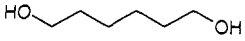
$C_8H_{12}N_2O_2$

Hexamethylene-1,6-diisocyanate.

4-04-00-01349 (Beilstein Handbook Reference); AI3-28285; BRN 0956709; 1,6-Diisocyanatohexane; EINECS 212-485-8; HDI; Hexamethylene-1,6-diisocyanate; Hexamethylene diisocyanate, 1,6-; 1,6-Hexamethylene diisocyanate; Hexamethylendiisokyanat; Hexane 1,6-diisocyanate; Hexane, 1,6-diisocyanato-; 1,6-Hexanediol diisocyanate; 1,6-Hexylene diisocyanate; HMDI; HSDB 6134; Isocyanic acid, diester with 1,6-hexanediol; Isocyanic acid, hexamethylene ester; Metyleno-bis-fenyloizocyjanian; NSC 11687; Szesciometylenodwu-izocyjanian; TL 78; UN2281. Liquid; bp_{10} = 122°, bp_1 = 94°; d^{20} = 1.0528.

1929 Hexamethylene glycol

629-11-8 4709 G H



$C_6H_{14}O_2$

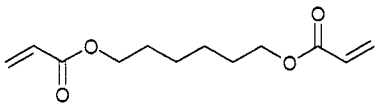
1,6-Hexanediol.

4-01-00-02556 (Beilstein Handbook Reference); AI3-03307; BRN 1633461; 1,6-Dihydroxyhexane; EINECS 211-074-0; HDO;

Hexamethylene glycol; Hexamethylenediol; 1,6-Hexanediol; α,ω-Hexanediol; HSDB 6488; NSC 508. Crystals; mp = 42.8°; bp = 208°; insoluble in C_6H_6, slightly soluble in Et_2O, soluble in H_2O, EtOH, Me_2CO.

1930 Hexamethylene glycol diacrylate

13048-33-4 H



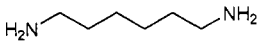
$C_{12}H_{18}O_4$

2-Propenoic acid, 1,6-hexanediyl ester.

Acrylic acid, hexamethylene ester; Ageflex HDDA; BRN 1870540; C 716; CCRIS 4823; EINECS 235-921-9; HDDA; HDODA; Hexamethylene acrylate; Hexa-methylene diacrylate; Hexamethylene glycol diacrylate; 1,6-Hexamethylene diacrylate; 1,6-Hexanediol di-2-propenoate; 1,6-Hexanediol diacrylate; HSDB 6109; Kayarad HDDA; NK Ester A HD; Photomer 4017; Sartomer 238; Sartomer SR 238; Setalux UV 2243; SR 238; Viscoat 230. Fast curing monomer providing adhesion to metal and glass, flexibility in inks and coatings, water resistant, good weatherability; reactive diluent for radiation-curable oligomers. Liquid; d_{20}^{20} = 1.01; mp <-20°; flash pt. >93°. *Rit-Chem.*

1931 Hexamethylenediamine

124-09-4 4713 H



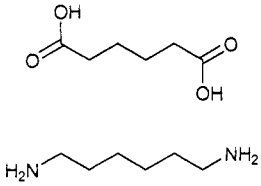
$C_6H_{16}N_2$

1,6-Hexamethylenediamine.

4-04-00-01320 (Beilstein Handbook Reference); AI3-37283; BRN 1098307; CCRIS 6224; 1,6-Diaminohexane; EINECS 204-679-6; Hexamethylene diamine; 1,6-Hexamethylenediamine; Hexane, 1,6-diamino-; 1,6-Hexanediamine; 1,6-Hexylenediamine; HMDA; HSDB 189; NCI-C61405; NSC 9257; UN1783; UN2280. Crystals; mp = 41.5°; bp = 205°; very soluble in EtOH, C_6H_6, freely soluble in H_2O.

1932 Hexamethylenediamine monoadipate

3323-53-3 H



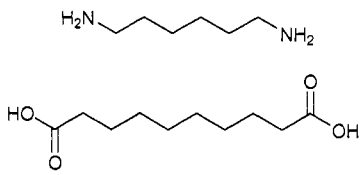
$C_6H_{16}N_2.C_6H_{10}O_4$

Adipic acid, compd. with 1,6-hexanediamine (1:1).

Adipan hexamethylendiaminu; Adipic acid, compd. with 1,6-hexanediamine; EINECS 222-037-3; Hexamethyl-enediamine adipate (1:1); Hexamethylenediamine monoadipate; Nylon 66 salt.

1933 Hexamethylenediamine sebacate

6422-99-7 H



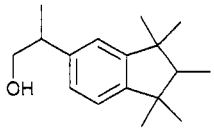
$C_{10}H_{18}O_4.C_6H_{16}N_2$

Decanedioic acid, compd. with 1,6-hexanediamine.

Decanedioic acid, compd. with 1,6-hexanediamine (1:1); EINECS 229-177-4; Hexamethylenediamine sebacate; Hexamethylenediammonium sebacate; Nylon 6-10 salt; Sebacic acid, compd. with 1,6-hexanediamine (1:1); Sebakan hexamethylendiaminu.

1934 β,1,1,2,3,3-Hexamethylindan-5-ethanol

1217-08-9 H



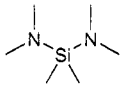
$C_{17}H_{26}O$

2,3-Dihydro-β,1,1,2,3,3-hexamethyl 1H-indene-5-ethan-ol.

EINECS 214-934-3; β,1,1,2,3,3-Hexamethylindan-5-eth-anol; 1H-Indene-5-ethanol, 2,3-dihydro-β,1,1,2,3,3-hexa-methyl-; 5-Indanethanol, β,1,1,2,3,3-hexamethyl-.

1935 Hexamethylsilanediamine

3768-58-9 G



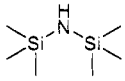
$C_6H_{18}N_2Si$

Bis(dimethylamino)dimethylsilane.

Bis(dimethylamino)dimethylsilane; CB2100; EINECS 223-200-1;. Coupling agent, chemical Intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -98°; bp = 128-129°; d = 0.8090. *Degussa-Hüls Corp.*

1936 Hexamethylsilazane

999-97-3 4708 H



$C_6H_{19}NSi_2$

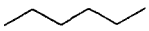
1,1,1-Trimethyl-N-(trimethylsilyl)silanamine.

AI3-51467; Bis(trimethylsilyl)amine; CCRIS 2456; Disilazane, 1,1,1,3,3,3-hexamethyl-; EINECS 213-668-5; Hexamethyldisilazane; 1,1,1,3,3,3-Hexamethyldisila-zane; Hexamethylsilazane; HMDS; NSC 93895; Prosil® HMDS; OAP; Silanamine, 1,1,1-trimethyl-N-(trimethyl-silyl)-; SZ 6079; 1,1,1-Trimethyl-N-(trimethylsilyl)-silanamine; Tri-Sil; TSL 8802. A silica reaction product; chemical intermediate, used in chromatographic packings and as a silylating agent. Used for the preparation of volatile derivatives of a wide range of biologically active compounds for gic analysis.Coupling agent; silica treatment for silicone elastomers, novolac photoresist adhesion promoter. Liquid; bp = 125°; d^{25} = 0.7741; LD_{50} (rat orl) = 850 mg/kg. *Dow Corning; Hüls Am.; Janssen Chimica; PCR; Sigma-*

Aldrich Fine Chem.

1937 Hexane

110-54-3 4712 G H



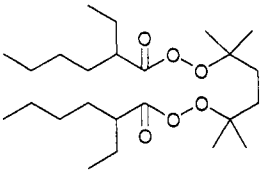
C_6H_{14}

n-Hexane.

AI3-24253; CCRIS 6247; Dipropyl; EINECS 203-777-6; Esani; Exxsol® Hexane; Gettysolve-B; Heksan; Hexane; n-Hexane; Hexyl hydride; HSDB 91; NCI-C60571; NSC 68472; Skellysolve B; UN1208. Used as a solvent, alcohol denaturant, paint diluent, polymerization reaction medium; filling for thermometers. Liquid; mp ■ -95.3°; bp ■ 68.7°; d^{25} = 0.6548; insoluble in water; soluble in Et_2O, $CHCl_3$, very soluble in EtOH; LD_{50} (rat orl) = 32 mg/kg. *Ashland; BP Chem.; Exxon; Humphrey; Mitsui Petroleum; Phillips 66; Texaco.*

1938 Hexaneperoxoic acid, 2-ethyl-, 1,1,4,4-tetramethyl-1,4-butanediyl ester

13052-09-0 G



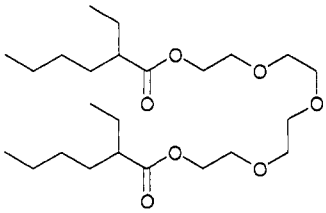
$C_{24}H_{46}O_6$

2,5-dimethyl-2,5-di(2-ethyl hexanoyl peroxy) hexane.

EINECS 235-935-5; Hexaneperoxoic acid, 2-ethyl-, 1,1,4,4-tetramethyl-1,4-butanediyl ester; 1,1,4,4-Tetramethylbutane-1,4-diyl bis(2-ethylperoxyhexanoate); USP®-245; 2,5-Dimethyl-2,5-bis(2-ethyl-1-hexanoyl-peroxy)hexane; 2,5-Dimethyl-2,5-di(2-ethylhexanoyl-peroxy)hexane; 2,5-Dimethyl-2,5-hexanediol bis(2-ethylperoxyhexanoate); 2,5-Dimethylhexane 2,5-diper-2-ethylhexanoate; Lupersol 256; USP 245. Catalyst for heated curing of polyester resin systems; features rapid cures and outstanding surface finishes. *CK Witco Corp.*

1939 Hexanoic acid, 2-ethyl-, diester with tetraethylene glycol

18268-70-7 H



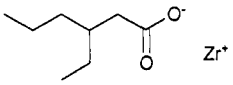
$C_{24}H_{46}O_7$

3,6,9-Trioxaundecamethylene bis(2-ethylhexanoate).

EINECS 242-149-6; Flexol 4GO; Hexanoic acid, 2-ethyl-, oxybis(2,1-ethyldiyloxy-2,1-ethanediyl)ester; Hexanoic acid, 2-ethyl-, diester with tetraethylene glycol; Plasticizer 4GO; Polyethylene glycol 200 di(2-ethylhexoate); TegMeR 804; Tetraethylene glycol di(2-ethylhexoate); 3,6,9-Trioxaundecamethylene bis(2-ethylhexanoate).

1940 Hexanoic acid, 2-ethyl-, zirconium salt

22464-99-9 H



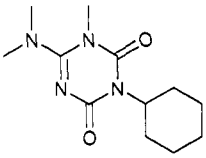
$C_8H_{15}O_2Zr$

2-Ethylhexanoic acid, zirconium salt.

EINECS 245-018-1; 2-Ethylhexanoic acid, zirconium salt; Hexanoic acid, 2-ethyl-, zirconium salt.

1941 Hexazinone

51235-04-2 4734 G P



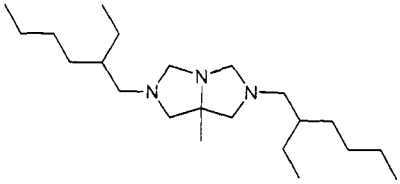
$C_{12}H_{20}N_4O_2$

3-cyclohexy-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione.

5-26-10-00171 (Beilstein Handbook Reference); BRN 0618801; Brushkiller; Caswell No. 271AA; CCRIS 5273; 3-Cyclohexyl-1-methyl-6-(dimethylamino)-s-trazine-2,4(1H,3H)-dione; 3-Cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione; 3-Cyclohexyl-6-dimethylamino-1-methyl-1,2,3,4-tetrahydro-1,3,5-triazine-2,4-dione; DPX 3674; EINECS 257-074-4; EPA Pesticide Chemical Code 107201; Gridball; Hexazinone; HSDB 6670; s-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-; 1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-; SHA 107201; Velpar; Velpar L; Velpar weed killer. Non-selective contact herbicide. Inhibits photosynthesis. Used for control of annual, biennial, perennial weeds and woody plants in non-crop areas and coniferous plantations. mp ■ 115-117°; d = 1.25; soluble in H_2O (33 g/l), more soluble in organic solvents; LD_{50} (rat orl) = 1590 mg/kg. *DuPont UK; Selectokil Ltd (Velpar).*

1942 Hexedine

5980-31-4 4718 D G



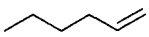
$C_{22}H_{45}N_3$

2,6-Bis(2-ethylhexyl)-hexahydro-7a-methyl-1H-imidazo(1,5-c)imidazole.

2,6-Bis(2-ethylhexyl)-hexahydro-7a-methyl-1H-imidazo-(1,5-c)imidazole; Esedina; Hexedina; Hexedine; Hexedinum; 1H-Imidazo(1,5-c)imidazole, 2,6-bis(2-ethylhexyl)hexahydro-7a-methyl-; Sterisol; W 4701. Antibacterial. Liquid; $bp_{0.025}$ = 131°. *Parke-Davis.*

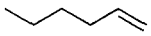
1943 Hexene

25264-93-1 H



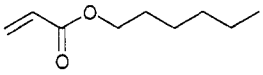
C_6H_{12}
Hexene, isomers.
EINECS 246-768-2; Hexene; Hexene, isomer; Hexene, isomers; Hexylene; HSDB 5143. Mixture of isomers.

1944 Hex-1-ene
592-41-6 G H



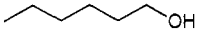
C_6H_{12}
Butyl ethylene.
AI3-28797; Butyl ethylene; Butylethylene; Dialene 6; EINECS 209-753-1; Hexene; 1-Hexene; 1-n-Hexene; Hexene-1; Hexylene; HSDB 1079; Neodene® 6; NSC 74121; UN2370. Intermediate for biodegradable surfactants and specialty industrial chemicals (flavors, perfumes, dyes, resins); polymer modifier. Liquid; mp = -139.7°; bp = 63.4°; d^{20} = 0.6731; very soluble in C_6H_6, EtOH, Et_2O, petroleum ether. *Degussa-Hüls Corp.; Monsanto (Solaris); Phillips 66; Shell.*

1945 Hexyl acrylate
2499-95-8 G



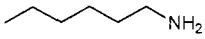
$C_9H_{16}O_2$
n-Hexyl 2-propenoate.
4-02-00-01466 (Beilstein Handbook Reference); Acrylic acid, hexyl ester; Ageflex FA-6; Ageflex n-HA; AI3-15732; BRN 1757327; CCRIS 7038; EINECS 219-698-5; Hexyl 2-propenoate; Hexyl acrylate; n-Hexyl acrylate; HSDB 5463; NSC 11786; 2-Propenoic acid, hexyl ester. Monomer for UV-cured inks and coatings, glass coating, viscosity index improver for functional oils, polymer cements and sealants; polymer modifier. Liquid; mp = -45°; bp_{24} = 88-90°, bp_1 = 40°; d^{20} = 0.8780; very soluble in EtOH, Et_2O; LD_{50} (rat orl) = 26 mg/kg. *Rit-Chem.*

1946 Hexyl alcohol
111-27-3 4715 G P



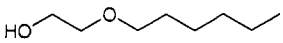
$C_6H_{14}O$
n-Hexyl alcohol.
4-01-00-01694 (Beilstein Handbook Reference); AI3-08157; Alcohol C_6; Amylcarbinol; BRN 0969167; C_6 alcohol; Caproic alcohol; Caproyl alcohol; Caswell No. 482E; EINECS 203-852-3; EPA Pesticide Chemical Code 079047; EPAL 6; Fatty alcohol(C_6); FEMA Number 2567; Hexanol; Hexan-1-ol; 1-Hexanol; n-Hexanol; n-Hexan-1-ol; Hexyl alcohol; 1-Hexyl alcohol; n-Hexyl alcohol; HSDB 565; 1-Hydroxyhexane; Nacol® 6-98; NSC 9254; Pentylcarbinol. Detergent and emulsifier intermediate, used in pharmaceuticals (antiseptics, perfume esters), and as a solvent and plasticizer. Registered by EPA as a herbicide and insecticide (cancelled). Liquid; mp = -44.6°; bp = 157.6°; d^{20} = 0.8136; slightly soluble in H_2O, CCl_4, soluble in EtOH, Me_2CO, $CHCl_3$, freely soluble in C_6H_6, Et_2O; LD_{50} (rat orl) = 4.59 g/kg. *Amoco Lubricants; Ashland; Condea Vista Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.*

1947 Hexylamine
111-26-2 H



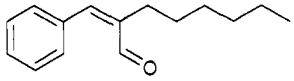
$C_6H_{15}N$
1-Hexylamine.
4-04-00-00709 (Beilstein Handbook Reference); AI3-16554; 1-Aminohexane; BRN 1731298; EINECS 203-851-8; ENT 16554; 1-Hexanamine; Hexylamine; 1-Hexylamine; n-Hexylamine; Mono-n-hexylamine; NSC 2590. Liquid; mp = -22.9°; bp = 132.8; d^{20} = 0.7660; slightly soluble in H_2O, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O.

1948 Hexyl cellosolve
112-25-4 H



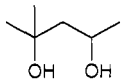
$C_8H_{18}O_2$
Ethylene glycol n-hexyl ether.
4-01-00-02383 (Beilstein Handbook Reference); BRN 1734691; Cellosolve, n-hexyl-; EINECS 203-951-1; Ethanol, 2-(hexyloxy)-; Ethylene glycol monohexyl ether; Ethylene glycol-n-monohexyl ether; Ethylene glycol n-hexyl ether; Glycol monohexyl ether; Hexyl cellosolve; n-Hexyl cellosolve; HSDB 5569. Liquid; mp = -45.1°; bp = 208°; d^{20} = 0.8878; slightly soluble in H_2O, very soluble in EtOH, Et_2O.

1949 α-Hexylcinnamaldehyde
101-86-0 H



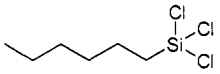
$C_{15}H_{20}O$
2-Hexylcinnamaldehyde.
AI3-05096; Cinnamaldehyde, α-hexyl-; EINECS 202-983-3; FEMA No. 2569; Hexyl cinnamic aldehyde (VAN); 2-Hexylcinnamaldehyde; α-Hexylcinnamaldehyde; α-Hexylcinnamyl aldehyde; α-n-Hexyl-β-phenylacrolein; 2-Hexyl-3-phenyl-2-propenal; NSC 406799; Octanal, 2-(phenylmethylene)-.

1950 Hexylene glycol
107-41-5 4730 G H P



$C_6H_{14}O_2$
2-Methyl-2,4-pentanediol.
4-01-00-02565 (Beilstein Handbook Reference); 4-Methyl-2,4-pentanediol; AI3-00919; BRN 1098298; Caswell No. 574; Diolane; EINECS 203-489-0; EPA Pesticide Chemical Code 068601; Hexylene glycol; HSDB 1126; Isol; (±)-2-Methyl-2,4-pentanediol; NSC 8098; Pinakon; α,α,α'-Trimethyltrimethylene glycol. Used in hydraulic brake fluids, printing inks, as a coupling agent and penetrant for textiles, cosmetics, ice inhibitor in carburetors; fuel, lubricant additive. Registered by EPA (cancelled). Liquid; mp = -50°; bp = 197.1°; d^{15} = 0.923; λ_m = 302 nm (ε = 3631, H_2SO_4); soluble in H_2O, EtOH, Et_2O, CCl_4; LD_{50} (rat orl)= 4.7 g/kg. *Allchem Ind.; Ashland; BP Chem.; Coyne; Elf Atochem N. Am.; Great Western; McIntyre; Mitsui Petroleum; Penta Mfg.; Ruger; Shell; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Union Carbide Corp.*

1951 Hexyltrichlorosilane
928-65-4 G



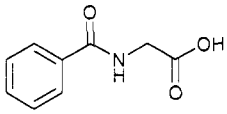
$C_6H_{13}Cl_3Si$

Trichlorohexylsilane.

CH7332; EINECS 213-178-1; Hexyltrichlorosilane; HSDB 2005; NSC 139843; Silane, hexyltrichloro-; Silane, trichlorohexyl-; UN1784. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, and reducing agent. Liquid; bp = 190°; d^{20} = 1.1100; freely soluble in H_2O. *Degussa-Hüls Corp.*

1952 Hippuric acid

495-69-2 4735 G



$C_9H_9NO_3$

Benzamidoacetic acid.

4-09-00-00778 (Beilstein Handbook Reference); Acetic acid, (benzoylamino)-; Acido ippurico; AI3-01062; Benzoylglycine; N-Benzoylglycine; BRN 1073987; EINECS 207-806-3; Glycine, N-benzoyl-; NSC 9982; Phenylcarbonylaminoacetic acid. Used in organic synthesis and medicine. Prisms; mp = 191.5°; d^{20} = 1.371; λ_m = 226 nm (ε = 12700, MeOH); insoluble in petroleum ether, CS_2, slightly soluble in Et_2O, C_6H_6, $CHCl_3$, soluble in H_2O, EtOH, EtOAc. *Lancaster Synthesis Co.; Penta Mfg.; U.S. BioChem.*

1953 Holmium

7440-60-0 4747 G

Ho

Ho

Holmium.

EINECS 231-169-0; Holmium. Metallic element; getter in vacuum tubes, research in electrochemistry, spectroscopy. Metal; mp = 1474°; bp = 2700°. *Atomergic Chemetals; Cerac; Noah Chem.; Rhône-Poulenc.*

1954 Holmium oxide

12055-62-8 G

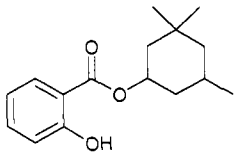
Ho_2O_3

Holmia.

EINECS 235-015-3; Holmium oxide; Holmium oxide (Ho_2O_3). Refractories, special catalyst. *Atomergic Chemetals; Cerac; Noah Chem.; Rhône-Poulenc.*

1955 Homosalate

118-56-9 4759 D G



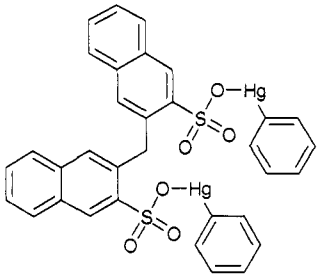
$C_{16}H_{22}O_3$

3,3,5-Trimethylcyclohexyl salicylate.

Benzoic acid, 2-hydroxy-, 3,3,5-trimethylcyclohexyl ester; Caswell No. 482B; CCRIS 4885; Coppertone; EINECS 204-260-8; EPA Pesticide Chemical Code 076603; Filtersol "A"; Heliopan; Heliophan; Homomenthyl salicylate; m-Homomenthyl salicylate; Homosalate; Homosalato; Homosalatum; Kemester® HMS; Metahomomenthyl salicylate; NSC 164918; Salicylic acid, m-homomenthyl ester; Salicylic acid, 3,3,5-trimethylcyclohexyl ester; 3,3,5-Trimethyl-cyclohexyl 2-hydroxybenzoate; 3,3,5-Trimethyl-cyclohexyl salicylate. UV absorber; sunscreen agent; used in cosmetic skin preparations. Used as an ultraviolet screen in Coppertone® products. Oil; bpss4 = 161-165°; d_{25}^{25} = 1.045.; insoluble in H_2O, soluble in organic solvents. *Greeff R.W. & Co.; Witco/Humko.*

1956 Hydrargaphen

14235-86-0 D G



$C_{33}H_{24}Hg_2O_6S_2$

Phenylmercuric dinaphthylmethane disulfonate.

Ba 13155; 3,3'-Bis(naphthalene-2-sulfonic acid) phenyl mercury salt; Bis(phenylmercuri)methylenedinaphthalene-sulfonate; Conotrane; Diphenylmercuridinaphthyl-meth-anedisulfonate; EINECS 238-107-1; Fibrotan; Hidrarg-afeno; Hydraphen; Hydrargaphen; Hydrarga-phene; Hyd-rargaphenum; Idrargafene; Mercury, (μ-(3,3'-methyl-enedi-2-naphthalenesulfonato))diphenyldi-; Methylenedi-naphthalenesulfonic acid bisphenylmercuri salt; 2-Naphthalenesulfonic acid, 3,3'-((phenyl-mercuri)methyl-ene)di-; 2-Naphthalenesulfonic acid, 3,3'-methylenedi-phenyl-mercury; P.M.F.; Penotrane; Phenyl mercuric fixtan; Phenylmercuric methylenebis(2-naphthyl-3-sulfonic acid); Phenylmercuric 3,3'-methylenebis(2-naphthalenesulfonate); Phenylmercury methylenedi-naphthalenesulfonate; Phenylmercuric dinaphthylmeth-anedisulfonate; Phenylmercury 2,2'-dinaphthylmethane-3,3'-disulphonate; Septotan; Versa-trane; Versotrane. Bactericide and fungicide for the treatment of wool, hides, leather, textiles, timber and wood-pulp, paints and adhesives. Antiseptic; anti-infective (topical). Amorphous powder, Practically insoluble in H_2O; forms colloidal solutions in alkali methal dinaphthylmethane sulfonates; colloid tends to absorb at interfaces and form charged hydrated aggregates; LD_{50} (mus orl) = 80 mg/kg. *Ward Blenkinsop.*

1957 Hydrazine

302-01-2 4789 G

$H_2N—NH_2$

H_4N_2

Nitrogen hydride.

CCRIS 335; Diamine; EINECS 206-114-9; HSDB 544; Hydrazine; Hydrazine base; Hydrazines; Hydrazyna; Levoxine; Oxytreat 35; RCRA waste number U133; Ultra Pure; UN2029; UN3293; Zerox. Chemical intermediate and reducing agent. A propellant for mono and bi-propellant systems. Hydrazine solutions (35% in water); used for water treatment. Liquid; mp = 1°; bp = 114°; miscible with H_2O; LD_{50} (rat orl) = 60 mg/kg. *Akzo Chemie; Fairmount; Miles Inc.; Olin Corp; Schering AG; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

1958 Hydrazine hydrobromide

13775-80-9 G

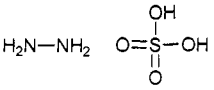
BrH_5N_2

Hydrazine monohydrobromide.

EINECS 237-412-7; Hydrazine, monohydrobromide; Hydrazinium bromide; Hyflux M. Reducing agent. Crystals; mp = 87-92°. *ABM Chemicals Ltd.*

1959 Hydrazine sulfate

10034-93-2 4791 G



$H_4N_2.H_2SO_4$

Diamine sulfate.

AI3-18433; CCRIS 336; Diamidogen sulfate; Diamine sulfate; EINECS 233-110-4; HS; HSDB 5086; Hydrazine dihydrogen sulfate salt; Hydrazine hydrogen sulfate; Hydrazine monosulfate; Hydrazine sulfate; Hydrazine, sulfate (1:1); Hydrazine sulphate; Hydrazinium sulfate; Hydrazinium(2+) sulfate; Hydrazinium(2+) sulphate; Hydrazonium sulfate; Idrazina solfato; NSC-150014; NSC 215190; Siran hydrazinu. Chemical intermediate, condensation reactions, catalyst for making acetate fibers; analysis of minerals, slags, fluxes; determination of arsenic in metals; separation of polonium from tellurium; fungicide, germicide. Plates or prisms; mp = 254°; d = 1.378; soluble in cold H_2O (3 g/100 ml), freely soluble in hot H_2O, insoluble in EtOH. *Fairmount; Janssen Chimica; Mallinckrodt Inc.; Otsuka Pharm. Co. Ltd.; Spectrum Chem. Manufacturing.*

1960 Hydriodic acid

10034-85-2 4797 G

HI

Hydroiodic acid.

Acide iodhydrique; Acido yodhidrico; Anhydrous hydriodic acid; Caswell No. 482C; EINECS 233-109-9; EPA Pesticide Chemical Code 046912; HSDB 2155; Hydriodic acid; Hydrogen iodide; Hydrogen iodide (HI); Hydrogen iodide, anhydrous; Hydroiodic acid; Iodure d'hydrogene anhydre; UN1787; UN2197; Yoduro de hidrogeno anhidro. Used in preparation of iodine salts, organic preparations, analytical reagent, disinfectant, pharmaceuticals. Liquid; d = 1.70; bp = 127°; pH = 1.0 (0.1 molar solution). *Janssen Chimica.*

1961 Hydrobromic acid

10035-10-6 4799, 4814 D G

HBr

Hydrogen bromide.

Acide bromhydrique; Acido bromhidrico; Acido bromidrico; Anhydrous hydrobromic acid; Bromowodor; Bromure d'hydrogene anhydre; Bromuro de hidrogeno anhidro; Bromwasserstoff; Broomwaterstof; EINECS 233-113-0; HSDB 570; Hydrobromic acid; Hydrogen bromide; Hydrogen bromide (HBr); UN1048; UN1788. Used in analytical chemistry, as a solvent for ore minerals, in manufacture of inorganic and some alkyl bromides, alkylation catalyst. Used medicinally as a sedative-hypnotic. Colorless gas; mp = -86.9°; bp = -66.8°; d = 2.71 (air = 1); freely soluble in H_2O, soluble in EtOH, organic solvents; LC_{50} (rat ihl) = 2858 ppm, (mus ihl) = 814 ppm. Aqueous solution, marketed in various concentrations: 50% HBr (d = 1.517), 40% HBr (d = 1.38), 34% HBr (d = 1.31), 1-% HBr (d = 1,08); solution contains up to 68.85% HBr in H_2O; forms azeotropes with H_2O, bp_{100} = 74.12° (49.80%), bp_{400} = 107.00° (48.47%), bp_{700} = 122.0° (47.74%), bp_{800} = 125.79° (47.56%). *Allchem Ind.; EM Ind. Inc.; Ethyl Corp.; Great Lakes Fine Chem.; Octel Chem. Ltd.*

1962 Hydrochloric acid

7647-01-0 4801 G P

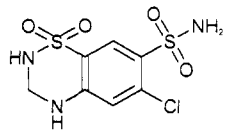
HCl

Hydrogen chloride.

4-D Bowl Sanitizer; Acide chlorhydrique; Acido clorhidrico; Acido cloridrico; Anhydrous hydrochloric acid; Aqueous hydrogen chloride; Bowl Cleaner; Caswell No. 486; Chloorwaterstof; Chlorohydric acid; Chlorowodor; Chlorure d'hydrogene; Chlorure d'hydrogene anhydre; Chloruro de hidrogeno; Chlorwasserstoff; Cloruro de hidrogeno anhidro; EINECS 231-595-7; Emulsion Bowl Cleaner; EPA Pesticide Chemical Code 045901; HSDB 545; Hydrochloric acid; Hydrogen chloride; Hygeia Creme Magic Bowl Cleaner; Marine acid; Muriatic acid; NSC 77365; Percleen Bowl and Urinal Cleaner; Soldering acid; Spirits of salt; UN 1050 (anhydrous); UN 1789 (solution); UN 2186 (refrigerated liquefied gas); Varley Poly-Pak Bowl Creme; Varley's Ocean Blue Scented Toilet Bowl Cleaner; White Emulsion Bowl Cleaner; Wuest Bowl Cleaner Super Concentrated. Used as a chemical intermediate and reactant. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). FDA GRAS, Japan restricted, Europe listed, UK approved, FDA approved for injectables, parenterals, inhalants, intravenous, ophthalmics, orals, otics, topicals. USP/NF, BP, Ph.Eur., JP compliant. In the FDA list of inactive ingredients, (injectants, inhalants, ophthalmics, orals, otics, rectals and topicals). Acidifier, buffer, neutralizing agent. Preservative in soft lens products. Used in injectables, parenterals, inhalants, intravenous, ophthalmics, orals, otics and topicals. Gas; mp = -114°; bp = -85°; azeotrope with H_2O (20% HCl): bp = 109°; d_4^{15} = 1.096.

1963 Hydrochlorothiazide

58-93-5 4802 D



$C_7H_8ClN_3O_4S_2$

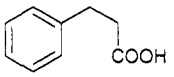
6-Chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide.

Accuretic; Acesistem; Acuilix; Aldactazide; Aldazida; Aldectazide 50/50; Aldoril; Apo-Hydro; Apresazide; Aquarilis; Aquarius; Aquazide H; Bremil; Briazide; BRN 0625101; Caplaril; Capozide; Carozide; Catiazida; CCRIS 2082; Chlorizide; Chlorosulthiadil; Chlorzide; Chlothia; Cidrex; Clorana; Concor Plus; Condiuren; Diaqua; Dichlorosal; Dichlotiazid; Dichlotride; Diclotride; Didral; Dihydran; Dihydrochlorothiazid; Dihydrochlorothiazide; Dihydrochlorothiazidum; Dihydroxychlorothiazidum; Direma; Disalunil; Disothiazid; Diu 25 Vigt; Diu-melusin; Diurogen; Dixidrasi; Drenol; Dyazide; EINECS 200-403-3; Esidrex; Esidrix; Esimil; Esoidrina; Fluvin; H.H. 25/25; H.H. 50/50; HCT-Isis; HCTZ; HCZ; Hidril; Hidro-Niagrin; Hidrochlortiazid; Hidroclorotiazida; Hidroronol; Hidro-saluretil; Hidrotiazida; HSDB 3096; Hyclosid; Hydril; Hydro-Aquil; Hydro-D; Hydro-Diuril; Hydro Par; Hydro-Saluric; Hydro-T; Hydrochlorothiazid; Hydrochloro-thiazidum; Hydrochlorthiazide; Hydrochlorthiazidum; Hydrocot; Hydrodiuretic; Hydrodiuril; Hydropres; Hydrosaluric; Hydrothide; Hydrozide; Hypothiazid; Hypothiazide; Hytrid; Hyzaar; Idroclorotiazide; Idrotiazide; Inderide;

indroclor; Ivaugan; Jen-Diril; Lopressor HCT; Lotensin HCT; Manuril; Maschitt; Maxzide; Mazide 25 mg; Medozide; Megadiuril; Microzide; Mictrin; Mikorten; Modurcen; Moduretic; Natrinax; NCI-C55925; Nefrix; Nefrol; Neo-codema; Neo-Flumen; Neo-Minzil; Newtolide; Novodiurex; NSC 53477; Oretic; Pantemon; Panurin; Prinzide; Raunova Plus; Ro-Hydrazide; Roxane; Saldiuril; Selozide; Ser-Ap-Es; Servithiazid; Spironazide; SU 5879; Tandiur; Thiuretic; Timolide; Unazid; Unipres; Urodiazin; Urozide; Vaseretic; Vasoretic; Vetidrex; Ziac; Zide.; component of: Micardis (with telmisartan). A thiazide diuretic used in the treatment of hypertension. Solid; mp= 273-275°; λ_m = 317, 271, 226 nm ($A^{1\%}_{cm}$ 130, 654, 1280 MeOH/HCl); soluble in MeOH, EtOH, Me_2CO; insoluble in H_2O; LD_{50} (mus iv) = 590 mg/kg, (mus orl) > 8000 mg/kg. *Abbott Labs Inc.; Ciba-Geigy Corp.; Lederle Labs.; Lemmon Co.; Merck & Co.Inc.; Parke-Davis; Searle G.D. & Co.; Solvay Pharm. Inc.; Squibb E.R. & Sons; Wallace Labs; Wyeth Labs.*

1964 Hydrocinnamic acid

501-52-0 4805 G



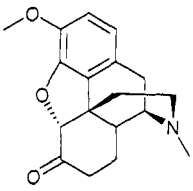
$C_9H_{10}O_2$

3-Phenylpropionic acid.

4-09-00-01752 (Beilstein Handbook Reference); AI3-00892; Benzenepropanoic acid; Benzenepropionic acid; Benzylacetic acid; BRN 0907515; CCRIS 3199; Dihydrocinnamic acid; EINECS 207-924-5; FEMA No. 2889; Hydrocinnamic acid; NSC 9272; Phenylpropanoic acid; 3-Phenylpropanoic acid; β-Phenylpropionic acid; 3-Phenylpropionic acid. Fixative for perfumes, flavoring. Solid; mp = 47-48°; bp ■ 280°; λ_m = 247, 252, 257, 260, 263, 267 nm (MeOH); soluble in H_2O (5.8 g/l), EtOH, Et_2O, CCl_4, $CHCl_3$, CS_2, very soluble in C_6H_6. *Greeff R.W. & Co.; Janssen Chimica; Penta Mfg.*

1965 Hydrocodone

125-29-1 4806 D



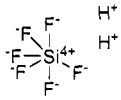
$C_{18}H_{21}NO_3$

4,5α-Epoxy-3-methoxy-17-methylmorphinan-6-one.

dihydrocodeinone; Bekadid; Dicodid. Analgesic, narcotic; antitussive. Federally controlled substance (opiate). CAUTION: may be habit forming. mp = 198°; soluble in alcohol, dilute acids; insoluble in H_2O; λ_m = 280 nm (ε 1310); LD_{50} (mus sc) = 85.7 mg/kg. *Merck & Co.Inc.*

1966 Hydrofluosilicic acid

16961-83-4 4209 G



F_6H_2Si

Fluorosilicic acid.

Acide fluorosilicique; Acide fluosilicique; Acido fluosilicico; Caswell No. 463; CCRIS 2296; Dihydrogen hexafluorosilicate; Dihydrogen hexafluorosilicate (2-); EINECS 241-034-8; EPA Pesticide Chemical Code 075305; FKS; Fluorosilicic acid; Fluorosilicic acid (H_2SiF_6); Fluosilicic acid; Hexafluorokieselsaeure; Hexafluorokieselsäure; Hexafluorokiezelzuur; Hexa-luorosilicic acid; Hexafluosilicic acid; HSDB 2018; Hydrofluorosilicic acid; Hydrofluosilicic acid; Hydrogen hexafluorosiiicate; Hydrosilicofluoric acid; Keramyl; Kiezelfluorwaterstofzuur; NSC 16894; Sand acid; Silicate (2-), hexafluoro-, dihydrogen; Silicofluoric acid; Silicofluoride; Silicon hexafluoride dihydride; UN1778. Stable in 60-70% aqueous solution. Etches glass. Used as 2% solution to sterilise equipment and in electroplating. Liquid; $d^{17.5}_{17.5}$ (30% soln) = 1.2742; 60-70% solution forms crystaline dihydrate around 19°.

1967 Hydrogenated Castor Oil

8001-78-3 1909 E P

$C_{57}H_{110}O_9$

Glyceryl tri-(12-hydroxystearate).

Castor oil, hydrogenated; Castorwax®; Castorwax MP 70®; Castorwax MP 80®; Castorwax NF®; Caswell No. 486A; EINECS 232-292-2; EPA Pesticide Chemical Code 031604; Glyceryl tri(12-hydroxystearate); Hydrogenated castor oil; Octadecanoic acid, 12-hydroxy-, 1,2,3-propanetriyl ester; Olio di ricino idrogenato; Opalwax®; Rice syn wax; Simulsol®; Thixcin E; Trihydroxystearin; Unitina HR. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide (cancelled). FDA listed, USP/NF compliance. Used as a stiffening agent, wax for ointments, lubricant, tableting aid, in tablet coatings and as an extended release agent, solvent for intramuscular injections, has laxative effect. Used in orals and topicals. Hard white wax; mp = 86-88°; d = 0.98 - 1.1; insoluble in H_2O, soluble in Me_2CO, $CHCl_3$. LD_{50} (rat orl) > 5000 mg/kg. *Akzo Nobel; Amber Syn.; Hoechst AG; Southern Clay Products.*

1968 Hydrogenated rosin, pentaerythritol ester

64365-17-9 H

Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol.

EINECS 264-848-5; Hydrogenated rosin, pentaerythritol ester; Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol; Resin and rosin acids, hydrogenated, esters with pentaerythritol.

1969 Hydrogenated Soybean Oil

8016-70-4 E H

Soybean oil hydrogenated.

Akolizer S; Clarity; EINECS 232-410-2; Hydrogenated soybean oil; Neustrene® 064; Oils, soybean, hydrogenated; Partially hydrogenated soybean oil; Soya bean oil fatty acids, hydrogenated; Soybean oil, hardened; Soybean oil, hydrogenated; Soybean oil, partially hydrogenated; Sterotex® HM. Pharmaceutical intermediate, crystallization promoter, mp modifier, bodying agent, lubricant, moisturizer, diluent.

1970 Hydrogenated Tallow

8030-12-4 E H

Hydrogenated Tallow.

Beef tallow, fully hydrogenated; EINECS 232-442-7; Hydrogenated tallow; Tallow, hydrogenated.; Special Fat 168T. FDA listed. Hydrophobing agent, used as a raw material for pharmaceuticals.

1971 Hydrogenated tallow acid

61790-38-3 H

Fatty acids, tallow, hydrogenated.

Acids, tallow, hydrogenated; EINECS 263-130-9; Fatty acids, tallow,

hydrogenated; Hydrogenated tallow acid; Tallow acid, hydrogenated; Tallow fatty acids, hydrogenated.

1972 Hydrogenated tallow glyceride

61789-09-1 H

Hydrogenated tallow fatty acids, glycerol monoester.
EINECS 263-031-0; Glycerides, hydrogenated tallow mono-; Glycerides, tallow mono-, hydrogenated; Hydrogenated tallow fatty acids, glycerol monoester; Hydrogenated tallow glyceride; Monoglycerides, hydrogenated tallow.

1973 Hydrogenated tallow nitrile

61790-29-2 H

Nitriles, tallow, hydrogenated.
EINECS 263-122-5; Nitriles, tallow, hydrogenated.

1974 Hydrogenated tallowamine

61788-45-2 H

Amines, hydrogenated tallow alkyl.
Amines, hydrogenated tallow alkyl; EINECS 262-976-6; Hydrogenated tallowamine; Tallow amine, hydrogenated.

1975 Hydrogenated terphenyls

61788-32-7 H

Terphenyl, partially hydrogenated.
EINECS 262-967-7; Hydrogenated terphenyls; Terphenyl, hydrogenated; Terphenyl, partially hydrogenated; Terphenyls, hydrogenated.

1976 Hydrogen fluoride

7664-39-3 4811 G

H—F

FH
Hydrofluoric acid gas.
Acide fluorhydrique; Acido fluorhidrico; Acido fluoridrico; Antisal 2B; Caswell No. 484; EINECS 231-634-8; EPA Pesticide Chemical Code 045601; Fluorhydric acid; Fluorowodor; Fluorure d'hydrogene anhydre; Fluoruro de hidrogeno anhidro; Fluorwasser-stoff; Fluorwaterstof; HSDB 546; Hydrofluoric acid; Hydrofluoride; Hydrogen fluoride; RCRA waste number U134; Rubigine; UN 1052 (anhydrous); UN 1790 (solution). Catalyst; used in aluminum production, fluorocarbons, pickling stainless steel, etching glass, acidizing oil wells, gasoline production, processing uranium. Liquid; mp ■ -83.55°; LD_{50} (rat ihl 1h) = 1278 ppm; soluble in water, alcohol, and many organic solvents, slightly soluble in ether. *Allied Signal; DuPont; Farleyway Chem. Ltd.; General Chem; Hoechst Celanese; Seimi Chem.*

1977 Hydrogen peroxide

7722-84-1 4819 D G P

HO—OH

H_2O_2
Dihydrogen dioxide.
Albone; Albone 35; Albone 35CG; Albone 50; Albone 50CG; Albone 70; Albone 70CG; Albone DS; Caswell No. 486AAA; CCRIS 1060; Dihydrogen dioxide; EINECS 231-765-0; Elawox; EPA Pesticide Chemical Code 000595; Hioxyl; HSDB 547; Hydrogen dioxide; Hydrogen peroxide; Hydrogen peroxide (H_2O_2); Hydroperoxide; Inhibine; Interox; Kastone; Lensept; NSC 19892; Oxydol; Perhydrol; Perone; Perone 30; Perone 35; Perone 50; Perossido di idrogeno; Peroxaan; Peroxal; Peroxan; Peroxide; Peroxol; Peroxyde d'hydrogene; Proxy; Puresept; Superoxol; T-Stuff; UN2014; UN2015; UN2984; Wasserstoffperoxid; Waterstofperoxyde. Bleaching and oxidizer used for deodorizing textiles, wood pulp, hair, fur, etc.; plasticizers; refining and cleaning metals; viscosity control for starch and cellulose derivatives. Registered by EPA as an antimicrobial, fungicide, herbicide and rodenticicide. FDA GRAS (3 ppm maximum in wine, 35% solution maximum, 200 ppm maximum in distilling materials), Japan restricted, FDA approved for topicals, BP compliance. Used as a topical antiseptic to cleanse wounds, skin ulcers, local infections, in oral rinse products; in treatment of inflammatory conditions of the external ear canal; foaming agent in dentrifices, used in topicals and mouthwash gargles. Liquid; mp ■ -11°; bp = 150°; d = 1.4067. *Degussa AG; DuPont; Elf Atochem N. Am.; Farleyway Chem. Ltd.; FMC Corp.; Mallinckrodt Inc.; Mitsubishi Gas.*

1978 Hydrogen sulfide

7783-06-4 4823 G

H_2S
Hydrogen monosulfide.
Acide sulfhydrique; Acide sulphhydrique; Dihydrogen monosulfide; Dihydrogen sulfide; EINECS 231-977-3; FEMA No. 3779; HSDB 576; Hydrogen sulfide; Hydrogen sulfide (H_2S); Hydrogen sulfure; Hydrogen sulfuric acid; Hydrogen sulphide; Hydrogene sulfure; Hydrogene sulphure; Hydrosulfuric acid; Idrogeno solforato; RCRA waste number U135; Schwefelwasserstoff; Sewer gas; Siarkowodor; Stink DAMP; Sulfur hydride; Sulfureted hydrogen; UN 1053; UN1053; Zwavelwaterstof. Used as a chemiucal feedstock and as an analytical reagent. Gas; mp = -85°; bp ■ -60°; soluble in H_2O (4.1 g/l), similarly soluble in organic solvents; LC_{50} (rat inh, 4 hr) = 444 ppm.

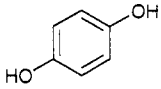
1979 Hydrogen telluride

7783-09-7 4824 G

H_2Te
Hydrogen monotelluride.
Dihydrogen telluride; EINECS 231-981-5; Hydrogen telluride. Gas; mp = -49°; bp = -2°; d_4^{12} = 2.68; soluble in H_2O.

1980 Hydroquinone

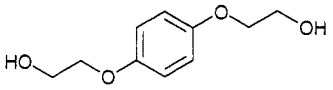
123-31-9 4833 D G H



$C_6H_6O_2$
p-Dihydroxybenzene.
AI3-00072; Arctuvin; Artra; Benzene, p-dihydroxy-; 1,4-Benzenediol; Benzohydroquinone; Benzoquinol; Black and White Bleaching Cream; CCRIS 714; Derma-Blanch; Diak 5; Dihydroxybenzene; EINECS 204-617-8; Eldopaque; Eldopaque Forte; Eidoquin; Eidoquin Forte; HE 5; Hidroquinone; HSDB 577; Hydrochinon; Hydroquinol; Hydroquinole; Hydroquinone; Idrochinone; NCI-C55834; NSC 9247; Phiaquin; Pyrogentistic acid; Quinol; Solaquin Forte; Tecquinol; Tenox HQ; Tequinol; UN2662; USAF EK-356. Photographic developer (not for color film); dye intermediate, inhibitor; stabilizer in paints and varnishes; motor fuels and oils; antioxidant for fats and oils. Antioxidant for synthetic latexes, fats, oils, monomers, polyester resins. Used medically as a depigmentor. Prisms or needles; mp = 172.3°; bp = 287°; d^{15} = 1.328; λ_m = 225, 294 nm (ε = 5180, 2810, MeOH); insoluble in C_6H_6, solulbe in H_2O,

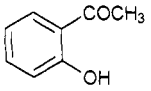
Et_2O, very soluble in EtOH, Me_2CO, freely soluble in CCl_4; LD_{50} (rat orl) = 320 mg/kg. *Allchem Ind.; Eastman Chem. Co.; Goodyear Tire & Rubber; ICN Pharm. Inc.; Kraeber GmbH; Schering-Plough HealthCare Products; Schering-Plough Pharm.; Sigma-Aldrich Fine Chem.*

1981 **Hydroquinone diethylol ether**
104-38-1 H



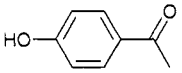
$C_{10}H_{14}O_4$
Hydroquinone bis(2-hydroxyethyl) ether.
EINECS 203-197-3; Hydroquinone bis(β-hydroxyethyl) ether; Hydroquinone bis(2-hydroxyethyl) ether; Hydroquinone diethylol ether; NSC 1862; Vernatzer 30/10.

1982 **o-Hydroxyacetophenone**
118-93-4 G



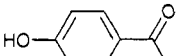
$C_8H_8O_2$
2'-hydroxyacetophenone.
4-08-00-00320 (Beilstein Handbook Reference); Acetophenone, 2'-hydroxy-; Acetophenone, o-hydroxy-; 2-Acetylphenol; o-Acetylphenol; AI3-12134; BRN 0386123; EINECS 204-288-0; Ethanone, 1-(2-hydroxyphenyl)-; FEMA No. 3548; 2'-Hydroxyacetophenone; o-Hydroxyacetophenone; 1-(2-Hydroxyphenyl)ethanone; 2-Hydroxyphenyl methyl ketone; o-Hydroxyphenyl methyl ketone; Methyl 2-hydroxyphenyl ketone; NSC 16933; USAF KE-20. Used in organic synthesis. mp = 2.5°; bp = 218°, bp_{717} = 213°; d^{20} = 1.1307; λ_m = 217, 250, 309 nm (ε ■ 19500, 8080, 2290, MeOH); insoluble in ligroin, slightly soluble in H_2O; very soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$. *Greeff R.W. & Co.; Hoechst Celanese; Janssen Chimica; Penta Mfg.*

1983 **p-Hydroxyacetophenone**
99-93-4 G



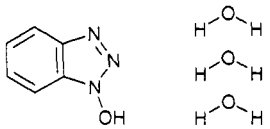
$C_8H_8O_2$
4-hydroxyacetophenone.
Acetophenone, 4'-hydroxy-; Acetophenone, p-hydroxy-; 4-Acetylphenol; p-Acetylphenol; AI3-12133; EINECS 202-802-8; Ethanone, 1-(4-hydroxyphenyl)-; 4-Hydroksy-acetofenol; 4-Hydroxyacetophenone; p-Hydroxyaceto-phenone; 4'-Hydroxyacetophenone; 1-(4-Hydroxy-phenyl)ethanone; p-Hydroxyphenyl methyl ketone; Methyl p-hydroxyphenyl ketone; NSC 3698; p-Oxyacetophenone; Phenol, p-acetyl-; Piceol; USAF KF-15. Used in organic synthesis. Needles; mp = 109.5°; bp_3 = 147-148°; d^{109} = 1.1090; λ_m ■ 220, 275 nm (MeOH); slightly soluble in H_2O, DMSO, very soluble in EtOH, Et_2O. *Greeff R.W. & Co.; Hoechst Celanese; Janssen Chimica; Lancaster Synthesis Co.*

1984 **p-Hydroxybenzoic acid**
99-96-7 4837 H



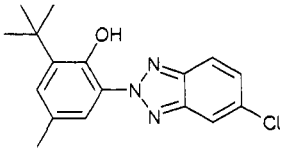
$C_7H_6O_3$
Benzoic acid, 4-hydroxy-.
Acido p-idrossibenzoico; AI3-01003; Benzoic acid, 4-hydroxy-; Benzoic acid, p-hydroxy-; EINECS 202-804-9; Kyselina 4-hydroxybenzoova; NSC 4961; p-Hydroxy-benzoic acid; 4-Hydroxybenzoic acid; p-Oxybenzosaeure; p-Oxybenzoesäure; p-Salicylic acid. White crystals; mp = 214.5°; bp = 270-280°; d^{25} ■ 1.46; λ_m = 254 nm (ε = 15100, MeOH); soluble in H_2O (0.25 g/100 ml at 25°, 2 g/100 ml at 50°, 3.3 g/100 ml at 80°), EtOH (50 g/100 ml), 95% EtOH (33 g/100 ml), 50% EtOH (16.6 g/100 ml), Et_2O (10 g/100 ml), glycerin (1.6 g/100 ml), propylene glycol (5 g/100 ml), peanut oil (0.5 g/100 ml). LD_{50} (mus sc) ■ 1200 mg/kg, (mus ip) = 960 mg/kg, (dog orl) = 3000 mg/kg.

1985 **1-Hydroxybenzotriazole**
2592-95-2 G



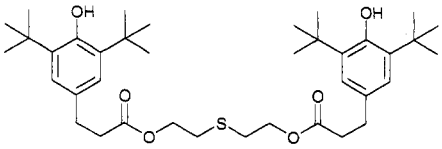
$C_6H_5N_3O.3H_2O$
1-Hydroxy-1H-benzotriazole.
4-26-00-00095 (Beilstein Handbook Reference); Benzazimidol hydrate; 1H-Benzotriazole, 1-hydroxy-; 1H-Benzotriazole, 1-hydroxy-, hydrate; BRN 0004515; CCRIS 2605; EINECS 219-989-7; HOBt; 1-Hydroxybenzotriazole; 1-Hydroxybenzotriazole hydrate; 1-Hydroxy-1H-benzotriazole hydrate; N-Hydroxy-benzotriazole hydrate. Widely used additive to decrease racemization during dicyclohexylcarbodiimide-catalyzed peptide coupling. Crystals; mp = 157-158°. *Janssen Chimica; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

1986 **Hydroxybutylmethylphenylchlorobenzotriazole**
3896-11-5 G



$C_{17}H_{18}ClN_3O$
2-(2'-Hydroxy-3'-*t*-butyl-5'-methylphenyl)-5-chloro-benzotriazole.
Bumetrizol; Bumetrizole; Bumetrizolum; 2-t-Butyl-6-(5-chloro-2H-benzotriazol-2-yl)-p-cresol; 2-(5-Chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methylphenol; EINECS 223-445-4; 2-(2-Hydroxy-3-t-butyl-5-methyl-phenyl)-5-chloro-2H-benzotriazole; 2-(2'-Hydroxy-3'-t-butyl-5'-methylphenyl)-5-chlorobenzo-triazole; Lowitite® 26; Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl-; Tinuvin; UV Absorber-6; Uvazol 236. UV stabilizer for polyolefins, polyester resins and coatings. Used to protect polyolefins, styrenics, acrylics, PVC, unsaturated polyesters, elastomers, PC, and PU. *EniChem SpA; Lowi.*

1987 **4-Hydroxy-3,5-di-t-butylphenylpropionic acid thioglycolate**
41484-35-9 H



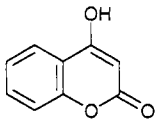
$C_{38}H_{58}O_6S$

3,5-Bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid thiodi-2,1-ethanediyl ester.

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethanediyl ester; 3,5-Bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid thiodi-2,1-ethanediyl ester; BRN 2407120; EINECS 255-392-8; Fenozan 30; 4-Hydroxy-3,5-di-t-butylphenylpropionic acid thioglycolate; Irganox 1035; Thiodiethylene bis(3-(3,5-di-t-butyl-4-hydroxyphenyl)propionate); Thiodiethyl-eneglycolbis(3,5-di-t-butyl-4-hydroxyhydrocinnamate).

1988 4-Hydroxycoumarin

1076-38-6 G



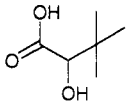
$C_9H_6O_3$

4-Hydroxy-2H-1-benzopyran-2-one.

5-18-01-00378 (Beilstein Handbook Reference); AI3-52393; 2H-1-Benzopyran-2-one, 4-hydroxy-; Benzo-tetronic acid; BRN 0129768; Coumarin, 4-hydroxy-; 4-Coumarinol; EINECS 214-060-2; 4-Hydroxycoumarin; NSC 11889. Chemical intermediate. Crystals; mp = 213-214°. *Greeff R.W. & Co.; Janssen Chimica; Penta Mfg.*

1989 2-Hydroxy-3,3-dimethylbutyric acid

4026-20-4 H



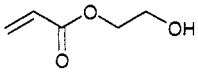
$C_6H_{12}O_3$

3,3-Dimethyl-2-hydroxybutyric acid.

Butanoic acid, 2-hydroxy-3,3-dimethyl-; Butyric acid, 2-hydroxy-3,3-dimethyl-; 3,3-Dimethyl-2-hydroxybutyric acid; EINECS 223-698-0; 2-Hydroxy-3,3-dimethylbutyric acid.

1990 Hydroxyethyl acrylate

818-61-1 H



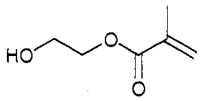
$C_5H_8O_3$

2-Propenoic acid, 2-hydroxyethyl ester.

4-02-00-01469 (Beilstein Handbook Reference); Acrylic acid, 2-hydroxyethyl ester; 2-(Acryloyloxy)ethanol; Bisomer 2HEA; BRN 0969853; CCRIS 3431; EINECS 212-454-9; Ethylene glycol, acrylate; Ethylene glycol, monoacrylate; HEA; HSDB 1123; Hydroxyethyl acrylate; 2-Hydroxyethyl acrylate; 2-Hydroxyethylester kyseliny akrylove; 2-Propenoic acid, 2-hydroxyethyl ester.

1991 Hydroxyethyl methacrylate

868-77-9 G H



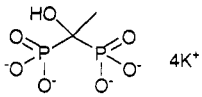
$C_6H_{10}O_3$

2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester.

4-02-00-01530 (Beilstein Handbook Reference); Bisomer 2HEMA; BRN 1071583; CCRIS 6879; EINECS 212-782-2; Ethylene glycol methacrylate; Ethylene glycol, monomethacrylate; Glycol methacrylate; Glycol monomethacrylate; HSDB 5442; Hydroxyethyl methacrylate; 2-Hydroxyethyl methacrylate; Methacrylic acid, 2-hydroxyethyl ester; 2-(Methacryloyloxy)ethanol; Mhoromer; Monomer MG-1; Monomethacrylic ether of ethylene glycol; NSC 24180; 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester; Sipomer® HEM-D. A monomer which permits the production of polymers with side chain hydroxyl groups suitable for crosslinking and the production of thermosetting acrylic surface coating adhesives. Use to manufacture acrylic resins and as a binder for nonwoven fabrics, enamels. Liquid; mp = -12°; bp_{13} = 103°, bp_3 = 67°; d^{20} = 1.079; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 5050 mg/kg. *BP Chem.; Mitsubishi Gas; Rhône Poulenc Surfactants; Rohm & Haas Co.*

1992 Hydroxyethylidene diphosphonic acid, potassium salt

67953-76-8 H



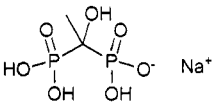
$C_2H_4K_4O_7P_2$

Phosphonic acid, (1-hydroxyethylidene) bis-, potassium salt.

EINECS 267-956-0; Hydroxyethylidene diphosphonic acid, potassium salt; (1-Hydroxyethylidene)bisphosphonic acid, potassium salt; 1-Hydroxylethanediphosphonic acid, potassium salt; Phosphonic acid, (1-hydroxyethylidene) bis-, potassium salt.

1993 Hydroxyethylidene diphosphonic acid, sodium salt

29329-71-3 H



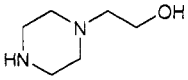
$C_2H_7NaO_7P_2$

Phosphonic acid, (1-hydroxyethylidene)bis-, sodium salt.

EINECS 249-559-4; (1-Hydroxyethylidene)bisphosphonic acid, sodium salt; 1-Hydroxyethanediphosphonic acid, sodium salt; Hydroxyethylidene diphosphonic acid, sodium salt; Phosphonic acid, (1-hydroxyethylidene)di-, sodium salt.

1994 Hydroxyethylpiperazine

103-76-4 H



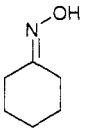
$C_6H_{14}N_2O$

4-(2-Hydroxyethyl)piperazine.

5-23-01-00406 (Beilstein Handbook Reference); AI3-25357; BRN 0104361; CCRIS 6687; EINECS 203-142-3; Ethanol, 2-(1-

piperazinyl)-; Hydroxyethylpiperazine; N-(β-Hydroxyethyl)piperazine; N-(2-Hydroxyethyl)piper-azine; NSC 26884; 1-Piperazinethanol; 2-(1-Piperaz-inyl)ethanol; USAF DO-22. Liquid; bp = 246°; d^{25} ■ 1.061.

1995 **(Hydroxyimino)cyclohexane**
100-64-1 H



$C_6H_{11}NO$
Cyclohexanone, oxime.
4-07-00-00021 (Beilstein Handbook Reference); AI3-07288; Antioxidant D; BRN 1616769; CCRIS 1383; Cyclohexanone oxime; EINECS 202-874-0; HSDB 5337; (Hydroxyimino)cyclohexane; NSC 6300. Prisms; mp = 90°; bp = 206°; λ_m = 192, 310 nm (ε = 6918, 15, isooctane); slightly soluble in $CHCl_3$, soluble in H_2O, EtOH, MeOH, Et_2O.

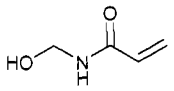
1996 **Hydroxylamine**
7803-49-8 4853 G

$H_2N—OH$

H_3NO
Hydroxylamine.
EINECS 232-259-2; HSDB 579; Hydroxylamine; Oxammonium. White needles; mp = 33°; bp_{22} = 58°; d^0 = 1.2255; very soluble in H_2O, EtOH; LD_{50} (mus ip) ■ 60 mg/kg.

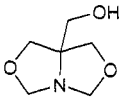
1997

1997 **Hydroxymethylacrylamide**
924-42-5 G H



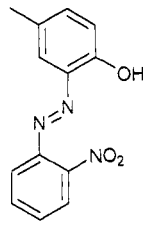
$C_4H_7NO_2$
N-(Hydroxymethyl)-2-propenamide.
4-02-00-01472 (Beilstein Handbook Reference); Acrylamide, N-(hydroxymethyl)-; AI3-25447; BRN 0506646; CCRIS 2380; EINECS 213-103-2; HSDB 4361; Hydroxymethylacrylamide; Methylolacrylamide; Monomethylolacrylamide; NCI-C60333; NM-AMD; NSC 553; 2-Propenamide, N-(hydroxymethyl)-; Uramine T 80. A cross-linking agent used in adhesives, binders for paper, crease-resistant textiles, resins, latex film, and sizing agents. Solid; mp= 74-75°; insoluble in H_2O, soluble in organic solvents. *Am. Cyanamid.*

1998 **Hydroxymethyl-1-aza-3,7-dioxabicyclo-[3.3.0]octane**
6542-37-6 G P



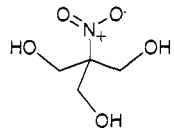
$C_6H_{11}NO_3$
1-Aza-3,7-dioxa-5-hydroxymethylbicyclo(3.3.0)octane.
4-27-00-06389 (Beilstein Handbook Reference); 1-Aza-3,7-dioxabicyclo(3.3.0)oct-5-ylmethanol; 1-Aza-5-meth-ylol-3,7-dioxabicyclo(3.3.0)octane; 1-Aza-5-hydroxy-methyl-3,7-dioxabicyclo(3.3.0)octane; M3; Zoldine® ZT-55; Bonding agent M 3; BRN 0107344; Caswell No. 495AB; EPA Pesticide Chemical Code 107002; GDUE; Hydroxymethyl dioxoazabicyclooctane; 5-(Hydroxy-methyl)-1-aza-3,7-dioxabicyclo(3.3.0)octane; 7-Hydroxy-methyl-1,5-dioxo-3-aza-bicyclooctane; M 3; M 3 (curing agent); M 3 (heterocycle); 5-Methylol-1-aza-3,7-dioxa-bicyclo(3.3.0)octane; NSC 270787; Nuosept 95; Oxazolidine T; Oxazolo(3,4-c)oxazole-7a(7H)-methanol; 1H,3H,5H-Oxazolo(3,4-c)oxazole-7a,(7H)-methanol; Zoldine ZT 100; Zoldine ZT 40; Zoldine ZT 55; Zoldine ZT 65. Cross-linking agent for resorcinol phenol-formaldehyde or protein-based resin systems; raw material for synthesis; used in hair care products. Used as an antibacterial preservative in coatings including those that contact food. Registered by EPA as an antimicrobial and disinfectant. *Angus; Creanova Inc.*

1999 **2-Hydroxy-5-methyl-2'-nitroazobenzene**
1435-71-8 H



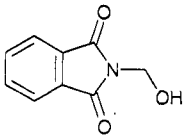
$C_{13}H_{11}N_3O_3$
2-((o-Nitrophenyl)azo)-p-cresol.
EINECS 215-863-0; p-Cresol, 2-((o-nitrophenyl)azo)-; 2-Hydroxy-5-methyl-2'-nitroazobenzene; 2-((o-Nitro-phen-yl)azo)-p-cresol; Phenol, 4-methyl-2-((2-nitro-phenyl)-azo)-.

2000 **Hydroxymethyl-2-nitro-1,3-propanediol**
126-11-4 9823 G P



$C_4H_9NO_5$
1,1,1-Tris(hydroxymethyl)nitromethane.
AI3-02259; Caswell No. 495; Cimcool wafers; EINECS 204-769-5; EPA Pesticide Chemical Code 083902; Isobutylglycerol, nitro-; Methane, trimethylolnitro-; Nitroisobutylglycerol; Nitromethylidynetrimethanol; Nitr-otris(hydroxymethyl)methane; NSC 17675; S.S.T® Sump Saver Tablets; Trihydroxymethylnitromethane; Trimethyl-olnitromethane; Tris-Nitro®; Tris(hydroxy-methyl)nitro-methane. Antibacterial agent, preservative for water treatment, metalworking fluids, oil production, de-odorizing; formaldehyde releaser. Used as a bactericide in pesticide products and consumer products, building materials or furnishings. Registered by EPA as an antimicrobial and disinfectant. Crystals; mp = 165°; bp dec; very soluble in H_2O (220 g/100 ml), EtOH, Et_2O. *Dow Chem. U.S.A.; Hess & Clark Inc.; Whittaker Clark & Daniels.*

2001 **Hydroxymethylphthalimide**
118-29-6 H



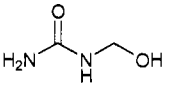
$C_9H_7NO_3$

N-(Hydroxymethyl)phthalimide.

5-21-10-00366 (Beilstein Handbook Reference); AI3-28943; BRN 0140946; EINECS 204-241-4; Hydroxy-methylphthalimide; Methanol, phthalimido-; N-(Hydroxymethyl)phthalimide; N-Methylolphthalimide; NSC 27350; Oxymethyl phthalimide; Phthalimide, N-(hydroxymethyl)-; Phthalimidomethyl alcohol.

2002 (Hydroxymethyl)urea

1000-82-4 H



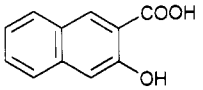
$C_2H_6N_2O_2$

N-(Hydroxymethyl)urea.

EINECS 213-674-8; HSDB 5776; 1-(Hydroxymethyl)urea; Methylol urea; Methylolurea; Methylolureas; Mono-(hydroxymethyl)urea; Monomethylolurea; N-(Hydroxy-methyl)urea; N-Methylolurea; NSC 13181; Urea, (hydroxymethyl)-. Used in manufacture of urea-formaldehyde resins. Colorless crystals; mp = 111°; soluble H_2O, EtOH, MeOH, AcOH, insoluble in Et_2O.

2003 3-Hydroxy-2-naphthoic acid

92-70-6 4860 H



$C_{11}H_8O_3$

2-Naphthalenecarboxylic acid, 3-hydroxy-.

4-10-00-01184 (Beilstein Handbook Reference); AI3-00894; B.o.n. acid; BON; BON acid; BONA; BRN 0744100; CI Developer 8; CI Developer 20; CCRIS 2298; Developer 8; Developer BON; EINECS 202-180-8; HSDB 5278; 2-Hydroxy-3-naphthalenecarboxylic acid; 2-Hydroxy-3-naphthoic acid; Kyselina 3-hydroxy-2-naftoova; Miketazol Developer ONS; β-Naphthoic acid, 3-hydroxy-; Naphthol B.O.N.; Naphthol bon; NSC 3719; β-Oxynaphthoic acid. Needles; mp = 222.5°; λ_m = 235, 284 nm (MeOH); slightly soluble in H_2O, readily soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, C_7H_8.

2004 Hydroxypivalaldehyde

597-31-9 H

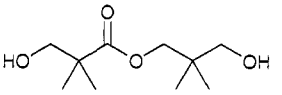
$C_5H_{10}O_2$

3-Hydroxy-2,2-dimethylpropionaldehyde.

2,2-Dimethyl-3-hydroxypropanal; EINECS 209-895-4; HSDB 5711; Hydracrylaldehyde, 2,2-dimethyl; 3-Hydroxy-2,2-dimethyl-propionaldehyde; 3-Hydroxy-2,2-dimethylpropanal; Hydroxypivalaldehyde; 3-Hydroxy-pivalaldehyde; Pent-aldol; Propanal, 2,2-dimethyl-3-hydroxy-; Propanal, 3-hydroxy-2,2-dimethyl-; Propion-aldehyde, 3-hydroxy-2,2-dimethyl-.

2005 Hydroxypivalyl hydroxypivalate

1115-20-4 H



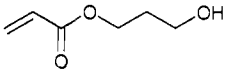
$C_{10}H_{20}O_4$

2,2-dimethyl-, 3-hydroxy-2,2-dimethylpropyl hydracryl-ate.

2,2-Dimethyl-, 3-hydroxy-2,2-dimethylpropyl hydracryl-ate; EINECS 214-222-2; Esterdiol 204; HSDB 5783; Hydracrylic acid, 2,2-dimethyl-, 3-hydroxy-2,2-dimethyl-propyl ester; Hydroxyneopentyl hydroxypivalate; Hydroxypivalic acid neopentyl glycol ester; Hydroxypivalyl hydroxypivalate; Neopentyl glycol monohydroxypivalate.

2006 Hydroxypropyl acrylate

25584-83-2 H



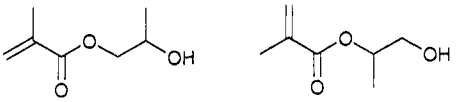
$C_6H_{10}O_3$

Acrylic acid, monoester with propane-1,2-diol.

Acrylic acid, hydroxypropyl ester; Acrylic acid 2-hydroxypropyl ester; Acrylic acid, monoester with 1,2-propanediol; CCRIS 7745; EINECS 247-118-0; HSDB 596; Hydroxypropyl acrylate; 2-Propenoic acid, monoester with 1,2-propanediol; Propylene glycol acrylate; Propylene glycol monoacrylate.

2007 Hydroxypropyl methacrylate

27813-02-1 G H



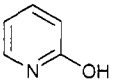
$C_7H_{12}O_3$

2-Propenoic acid, 2-methyl-, 2-hydroxymethylethyl ester.

Bisomer 2HPMA; EINECS 248-666-3; HSDB 597; Hydroxypropyl methacrylate; 2-Hydroxypropyl meth-acrylate; Methacrylic acid, ester with 1,2-propanediol; Methacrylic acid, monoester with propane-1,2-diol; 1,2-Propanediol, monomethacrylate; 2-Prop-enoic acid, 2-methyl-, monoester with 1,2-propanediol; 2-Propenoic acid, 2-methyl-, 2-hydroxymethylethyl ester; Propylene glycol monomethacrylate; Rocryl 410. Mixture of isomers. Monomer for cross-linkable acrylic resins, nonwoven fabric binders, detergent lube oil additives. *BP Chem.; Dajac Labs.; Rohm & Haas Co.*

2008 1-Hydroxy-2-pyridine

142-08-5 G



C_5H_5NO

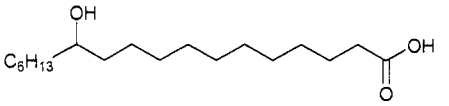
2-Hydroxypyridine.

AI3-19236; EINECS 205-520-3; 2-Hydroxypyridine; NSC 172522; 2-Oxopyridine; 2-Pyridinol; α-Pyridone; 2-Pyridinone; 2(1H)-Pyridinone; Pyridone-2; 2-Pyridone; 2(1H)-Pyridone. Used in the preparation of 1-alkenyl-2-pyridones; useful in Diels-Alder reactions. Needles; mp = 107.8°; bp = 280°; d^{20} = 1.3910; λ_m = 227, 298 nm (MeOH); slightly soluble in Et_2O, DMSO, ligroin, soluble in H_2O,

EtOH, C_6H_6, $CHCl_3$.

2009 Hydroxystearic acid

106-14-9 H



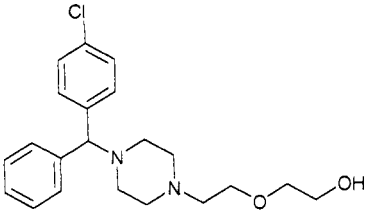
$C_{18}H_{36}O_3$

12-Hydroxyoctadecanoic acid.

4-03-00-00942 (Beilstein Handbook Reference); AI3-19730; Barolub FTO; BRN 1726730; Cerit Fac 3; Ceroxin GL; DL-12-Hydroxystearic acid; EINECS 203-366-1; EINECS 253-004-1; Harwax A; HSDB 5368; Hydrofol acid 200; 12-Hydroxyoctadecanoic acid; Hydroxystearic acid; 12-Hydroxystearic acid; KOW; Loxiol G 21; NSC 2385. A lubricant used in plastics processing.

2010 Hydroxyzine

68-88-2 4875 D



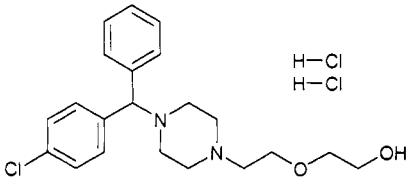
$C_{21}H_{277}ClN_2O_2$

2-[2-[4-(p-Chloroα-phenylbenzyl)-1-piperazinyl]ethoxy]-ethanol.

5-23-01-00462 (Beilstein Handbook Reference); Atara; Atarax; Atarax base; Ataraxoid; Atarazoid; Atarox; Atazina; Aterax; BRN 0321392; Deinait; EINECS 200-693-1; Equipoise; Fenarol; Hidroxizina; HSDB 3098; Hychotine; Hydroksyzyny; Hydroxine; Hydroxizine; Hydroxizinum; Hydroxycine; Hydroxyzin; Hydroxyzine; Hydroxyzinum; Hydroxyzyne; Idrossizina; Neo-calma; Neurozina; Nevrolaks; NP 212; NSC 169188; Pamazone; Parenteral; Paxistil; Placidol; Plaxidol; Tran-Q; Tranquizine; Traquizine; UCB-4492; Vesparaz-wirkstoff; Vistaril. Anxiolytic; antihistaminic. Has been used as a minor tranquillizer with doses of 75-150 mg/day. *Pfizer Inc.*

2011 Hydroxyzyne Hydrochloride

2192-20-3 4875 D



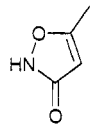
$C_{21}H_{29}Cl_3N_2O_2$

2-[2-[4-(p-Chloroα-phenylbenzyl)-1-piperazinyl]ethoxy]ethanol dihydrochloride.

AI3-50162; Alamon; Atarax; Atarax dihydrochloride; Ataraxoid dihydrochloride; Aterax; Aterax dihydro-chloride; Durrax; EINECS 218-586-3; Hydroxyzine dihydrochloride; Hydroxyzine hydrochloride; Marax; Neurolax; Orgatrax; Quiess; QYS; Tran-Q dihydro-chloride; Tranquizine dihydrochloride; Vistaril Parenteral; Vistaril steraject. A H_1 receptor antagonist. Anxiolytic; antihistaminic. Has been used as a minor tranquillizer. Crystals; mp = 193°; soluble in H_2O (<70 g/100 ml), $CHCl_3$ (6 g/100 ml), Me_2CO (0.2 g/100 ml), Et_2O (< 0.01 g/100 ml); LD_{50} (rat ip) = 126 mg/kg, (rat orl) = 950 mg/kg. *Elkins-Sinn; Forest Pharm. Inc.; KV Pharm.; Pfizer Inc.; Roerig Div. Pfizer Pharm.*

2012 Hymexazol

10004-44-1 4882 G P



$C_4H_5NO_2$

5-Methyl-3(2H)-isoxazolone.

Bucid; Bucide; Butsid; EINECS 233-000-6; F-319; Hydroxyisoxazole; Hymexazol; Hymexazole; Isoxazole, 3-hydroxy-5-methyl-; Itachigarden; NSC 217971; RTY-319; SF-6505; Tachigaren; Tachigaren 70. Fungicide for pelleting sugar beet seed. Registered by EPA as a fungicide and herbicide. White needles; mp = 84 - 85°, 86 - 87°; soluble in H_2O (8.5 g/100 ml at 25°), soluble in polar organic solvents; LD_{50} (mmus orl) = 2148 mg/kg, (fmus orl) = 1968 mg/kg, (mrat orl) = 4678 mg/kg, (frat orl) = 3909 mg/kg, (mmus sc) = 1297, (fmus sc) = 1167 mg/kg, (mrat sc) = 1924 mg/kg, (frat sc) = 1884 mg/kg, (mmus iv) = 445 mg/kg, (fmus iv) = 514 mg/kg, (mrat iv) >1000 mg/kg, (frat iv) > 1000 mg/kg, (rat der) > 10000 mg/kg, (rbt der) > 2000 mg/kg, (m Japanese quail orl) = 1698 mg/kg, (ckn orl) > 1000 mg/kg; LC_{50} (carp 48 hr.) = 165 mg/l, (Japanese killifish) > 40 mg/l; non-toxic to bees.. *Sankyo Co. Ltd.*

2013 Hypochlorous acid

7790-92-3 4891 G P

HO—Cl

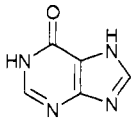
ClHO

Hypochlorous acid.

HyPure A. Used for bleaching, in organic synthesis; disinfectant in aqueous solution, decomposes slowly to chlorine, oxygen and perchloric acid. *Olin Corp.*

2014 Hypoxanthine

68-94-0 4895 G



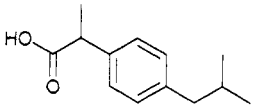
$C_5H_4N_4O$

1,7-Dihydro-6H-purin-6-one.

AI3-52242; 1,7-Dihydro-6H-purin-6-one; EINECS 200-697-3; HX; 6-Hydroxypurine; 6-Hydroxy-1H-purine; Hypoxanthine; Hypoxanthine enol; NSC 14665; 6-Oxopurine; 3H-Purin-6-ol; Purin-6-ol; 9H-Purin-6-ol; 6(1H)-Purinone; 9H-Purin-6(1H)-one; Purin-6(1H)-one; Purin-6(3H)-one; Sarcine; Sarkin; Sarkine. Used in biochemical research. Crystals; dec 150°; λ_m = 249 nm (ε 11000 MeOH); slightly soluble in H_2O, more soluble in acid or alkali, poorly soluble in organic solvents. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

2015 Ibuprofen

15687-27-1 4906 D



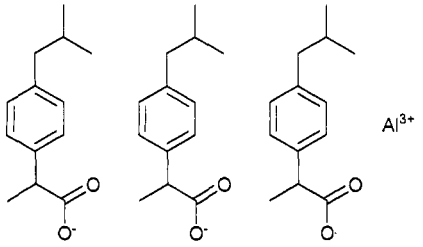
$C_{13}H_{18}O_2$

α-2-(p-Isobutylphenyl)propionic acid.

Act-3; Adex 200; Adran; Advil; Alaxan; Algofen; Am-Fam 400; Amersol; Anafen; Anco; Andran; Anflagen; Antagil; Antalfene; Antarene; Antiflam; Apo-Ibuprofen; Apsifen; Artofen; Artril; Atril 300; Balkaprofen; Bayer Select Pain Relief; Betaprofen; Bloom; Bluton; BRN 2049713; Brofen; Brufanic; Brufen; Brufen Retard; Bruflam; Brufort; Buburone; Bufeno; Bufigen; Bukrefen; Bupron; Buracaps; Burana; Butacortelone; Butylenin; Carol; CCRIS 3223; Cesra; Citalgan; Cobo; Codral Period Pain; Combiflam; Cunil; Daiprophen; Dalsy; Dansida; Deep Relief; Dentigoa; Dibufen; Dignoflex; Dolgit; Dolibu; Dolmaral; DOLO PUREN; Dolocyl; Dolofen; Dolofin; Dolofort; Dologel; Dolomax; Doloren; Dolormin; Doltibil; Dolven; Donjust B; Dorival; DRG-0069; Drin; Dristan Sinus; Duafen; Dularbuprofen; Duobrus; Dura-Ibu; Dysdolen; Easifon; Ebufac; EINECS 239-784-6; Emflam; Emflam-200; Epobron; Eputex; Ergix; Esprenit; Exneural; Faspic; Femafen; Femapirin; Femidol; Fenbid; Fendol; Fenspan; Fibraflex; Gelufene; Gofen; Grefen; Gynofug; Haltran; Hemagene Tailleur; HSDB 3099; IB-100; Ibol; Ibren; Ibu; Ibu-sio; Ibu-slow; Ibu-Tab; Ibubeta; Ibubest; Ibucasen; Ibudol; Ibudolor; Ibufen; Ibuflamar; Ibufug; Ibugel; Ibugen; Ibugesic; Ibuhexal; Ibulagic; Ibular; Ibulav; Ibuleve; Ibulgan; Ibumed; Ibumerck; Ibumetin; Ibupirac; Ibuprin; Ibuprocin; Ibuprofen; (-)-Ibuprofen; (RS)-Ibuprofen; (±)-Ibuprofen; Ibuprofene; Ibuprofeno; Ibuprofenum; Ibuprohm; Ibusal; Ifen; Inabrin; Inflam; IP-82; Ipren; Irfen; Isodol; Jenaprofen; Junifen; Kesan; Kontagripp Mono; Kratalgin; Lamidon; Librofem; Lidifen; Liptan; Lopane; Malafene; Manypren; Medipren; Melfen; Mensoton; Midol 200; Midol IB Cramp Relief; Moment; Motrin; Mynosedin; Nagifen-D; Napacetin; Narfen; Neo-Helvagit; Neo-Mindol; Neobrufen; Nerofen; Noalgil; Nobafon; Nobfelon; Nobfen; Nobgen; Noritis; Norton; Novadol; Novo Dioxadol; Novo-Profen; Novogent; Novoprofen; NSC 256857; Nuprilan; Nuprin; Nurofen; Optifen; Opturem; Oralfene; Ostarin; Ostofen; Ozonol; Paduden; Panafen; Pantrop; Paxofen; PediaProfen; Perofen; Proartinal; Profen; Proflex; Provon; Quadrax; Rafen; Ranofen; RD 13621; Rebugen; Relcofen; Rhinadvil; Rofen; Roidenin; Rufen; Rufin; Rupan; Sadefen; Salivia; Schmerz-Dolgit; Sednafen; Seklodin; Seskafen; Sine-Aid IB Caplets; Siyafen; Solpaflex; Solufen; Stelar; Sugafen; Suprafen; Suspren; Syntofene; Tabalon; Tabalon 400; Tatanal; Tempil; Tofen; Togal N; Tonal; Trendar; U-18,573; UCB 79171; Unipron; Upfen; Uprofen; Urem; VUFB 9649; Zafen; Zofen. Anti-inflammatory. White crystals; mp = 75-77°; fairly insoluble in H_2O; soluble in most organic solvents; LD_{50} (mus ip) ▪ 495 mg/kg, (mus orl) ▪ 1255 mg/kg. *Boots Pharmaceuticals Inc.; Bristol-Myers Squibb Co.; Ciba-Geigy Corp.; McNeil Pharm.; Sterling Health U.S.A.; Upjohn Ltd.; Whitehall Labs. Inc.*

2016 Ibuprofen aluminum

61054-06-6 D



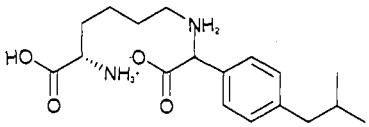
$C_{26}H_{35}AlO_5$

(±)-Hydroxybis(p-isobutylhydratropato)aluminum.

Ibuprofen aluminiumhydroxid; Ibuprofen aluminum; Motrin-A; U 18,573G. Anti-inflammatory. *Upjohn Ltd.*

2017 Ibuprofen lysinate

57469-77-9 D



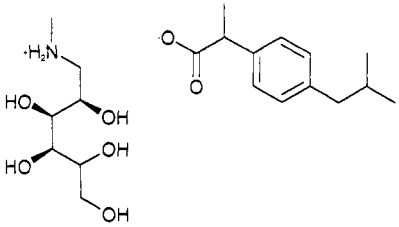
$C_{19}H_{32}N_2O_4$

(±)-2-(p-Isobutylphenyl)propionate lysine salt.

EINECS 260-751-7; MK-223; Saren; Solprofen; Solufen; Solufenum; Soluphene. Anti-inflammatory. *Boots Pharmaceuticals Inc.*

2018 Ibuprofen methylglucamine Salt

135861-34-6 D



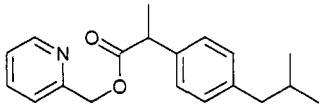
$C_{13}H_{18}O_2$

(±)-2-(p-Isobutylphenyl)propionate methylglucamine salt.

Artrene. Anti-inflammatory. *Boots Pharmaceuticals Inc.*

2019 Ibuprofen piconol

64622-45-3 D



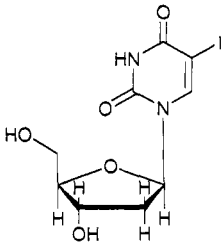
$C_{19}H_{23}NO_2$

2-Pyridylmethyl (±)-p-isobutylhydratropate.

Be-100; EINECS 264-979-8; Ibuprofen piconol; Pimeprofen; Staderm; U-18573G; U 75630. Anti-inflammatory (topical). *Hisamitsu Pharm. Co. Ltd.; Upjohn Ltd.*

2020 Idoxuridine

54-42-2 4916 G



$C_9H_{11}IN_2O_5$

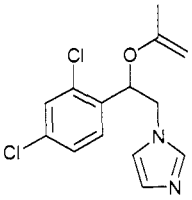
2'-Deoxy-5-iodouridine.

4-24-00-01235 (Beilstein Handbook Reference); AI3-50861; Allergan 211; BRN 0030397; CCRIS 2827; Dendrid; 1β-D-2'-Deoxyribofuranosyl-5-iodouracil; 2'-Deoxy-5-iodouridine; EINECS 200-207-8; Emanil; Herpes-Gel; Herpesil; Herpidu; Herplex; Herplex liquifilm; Idexur; Idossuridina; Idoxene; Idoxuridin; Idoxuridina; Idoxuridine; Idoxuridinum; Idu Oculos; IDU; Iducher; Idulea; Iduoculos; IDUR; iduridin; Iduviran; Iododeoxyridine; Iodoxuridine; 5-

Iodo-2'-deoxyuridine; 5-Iododeoxyuridine; 5-Iodouracil deoxyriboside; 5-IUDR; 5IUDR; IUDR; Joddeoxiuridin; Kerecid; NSC 39661; Ophthalmadine; SK&F 14287; Spectanefran; Stoxil; Synmiol; Uracil, 5-iodo-1-(2-deoxy-β-D-ribofuranosyl)-; Uridine, 2'-deoxy-5-iodo-; Uridine, 5-iodo-2'-deoxy-; Virudox. A proprietary preparation of idoxuridine; an ocular antiseptic and antiviral agent. Crystals; dec 160°(dec) also 190-195°, 240° and > 175°; λ_m = 288nm (log ε 3.87); $[\alpha]_D^{25}$=.4° (c ■ 0.108 in water). *SmithKline Beecham Pharm.*

2021 Imazalil

35554-44-0 3616 G P V



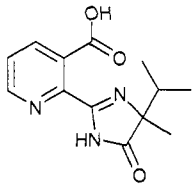
$C_{14}H_{14}Cl_2N_2O$

(±)-1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole.

5-23-04-00320 (Beilstein Handbook Reference); Allyl-1-(2,4-dichlorophenyl)-2-imidazol-1-ylethyl ether; (±)-1-(-(Allyloxy)-2,4-dichlorophenethyl)imidazole; 1-(2-(Allyl-oxy)-2-(2,4-dichlorophenyl)ethyl)-1H-imidazole; BRN 0545683; Bromazil; Caswell No. 497AB; CGA 41333; Chloramizol; Clinafarm; Deccozil; Deccozil S 75; (±)-1-(2-(2,4-dichlorophenylethyl)-2-(2-propenyl-oxy)ethyl)-1H-imidazole; 1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)-ethyl)-1H-imidazole; 1-(2-(2,4-Dichlorphenyl)-2-(2-prop-enyloxy) äthyl)-1H-imidazol; 1-(2-(2,4-Dichlor-phenyl)-2-(2-prop-enyloxy)aethyl)-1H-imidazol; EINECS 252-615-0; Enilconazole; Enilloconazol; EPA Pesticide Chemical Code 111901; Fecundal; Florasan; Freshgard; Freshguard; Fungaflor; Fungazil; HSDB 6672; Imaverol; Imazalil; 1H-Imidazole, 1-(2-(2,4-dichloro-phenyl)-2-(2-propenyloxy)-ethyl)-, (±)-; R-23979. Ergosterol biosynthesis inhibitor, used as a systemic fungicide with protective and curative action. Used to control fungal diseases in fruit, vegetables and ornamentals. Used to treat veterinary dermato-mycoses; disinfectant; agricultural fungicide. Registered by EPA as a fungicide. Yellow-brown solid; mp = 50°; sg^{23} = 1.243; soluble in H_2O (0.14 g/100 ml), EtOH, MeOH, xylene, C_6H_6 (all > 50 g/100 ml), i-PrOH, C_7H_8, C_7H_{16}, C_6H_{14}, petroleum ether; LD_{50} (mrat orl) = 320 mg/kg, (dog orl) > 640 mg/kg, (rat der) = 4200 - 4880 mg/kg; LC_{50} (bobwhite quail 8 day) = 6290 mg/kg, (mallard duck 8 day) = 5620 mg/kg, (rainbow trout) 2.5 mg/l, (bluegill sunfish) = 3.2 mg/l; non-toxic to bees. *DowElanco Ltd.; Gustafson LLC; Hortichem Ltd.; Janssen Chimica; Janssen Pharmaceutical, Belgium; Makhteshim Chemical Works Ltd.; Makhteshim-Agan; Schering-Plough Animal Health; Uniroyal; Wilbur Ellis Co.*

2022 Imazapyr

81334-34-1 4929 G P



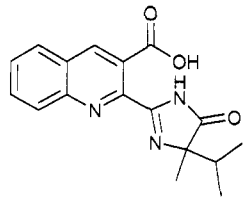
$C_{13}H_{15}N_3O_3$

2-[4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid.

AC 243,997; Arsenal; BRN 5442754; Caswell No. 003F; CL 263,284; 2-(4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-3-pyridinecarboxylic acid; EPA Pesticide Chemical Code 128821; Imazapyr; Imazapyr acid; 2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-nicotinic acid; Nicotinic acid, 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl); 3-Pyridinecarboxylic acid,2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-. Non-selective systemic herbicide. Inhibits acetohydroxy acid synthase. Used for control of annual and perennial grass and broad-leaved weeds in non-crop areas. Registered by EPA as a herbicide. White solid; mp = 169-173°; soluble in H_2O (10-15 g/l), organic solvents; LD_{50} (rat orl) >5000 mg/kg. *Am. Cyanamid; American Cyanamid, Divn. AHP Corp.; Chipman Ltd.; Cyanamid of Great Britain Ltd.; DowElanco Ltd.*

2023 Imazaquin

81335-37-7 4930 P



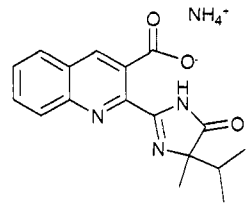
$C_{17}H_{17}N_3O_3$

2-(4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-3-quinolinecarboxylic acid.

AC 252214; BRN 5450078; Caswell No. 003C; CL 252214; EPA Pesticide Chemical Code 128848; HSDB 6677; Image 1.5LC; Imazaquin; Imazaquin acid; Imazaquine; Scepter; Scepter 1.5L; Scepter Herbicide. Registered by EPA as a herbicide. Crystals; mp ■ 219 - 224° (dec); soluble in H_2O (0.006 - 0.012 g/100 ml), C_7H_8 (0.04 g/100 ml), DMF (6.8 mg/kg), DMSO (15.9 g/100 ml), CH_2Cl_2 (1.4 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (fmus orl) = 2363 mg/kg, (rbt der) > 2000 mg/kg, (bobwhite quail, mallard duck orl) > 3160 mg/kg, (bee contact) > 0.1 mg/bee; LC_{50} (rat ihl) > 5 mg/l air, (bobwhite quail, mallard duck 8 day dietary) > 5000 mg/kg diet, (rainbow trout, bluegill sunfish, channel catfish 96 hr.) > 100 mg/l. *BASF AG; BASF Corp.; BASF Specialty Products.*

2024 Imazaquin ammonium salt

81335-47-9 4930 P



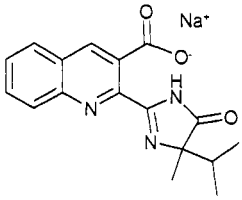
$C_{17}H_{20}N_4O_3$

Imazaquin, ammonium salt.

Ammonium salt of imazaquin; 3-(4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-3-quinolinecarboxylic; acid monoammonium salt; Image; Imazaquin ammonium; Imazaquin, monoammonium salt; imazquin; 3-Quinolinecarboxylic; acid, 2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-, monoammonium salt; Scepter; Scepter 1.5. Registered by EPA as a herbicide. Solid; soluble in H_2O. *Ambrands; BASF Corp.*

2025 Imazaquin sodium salt

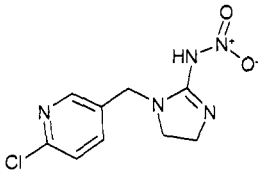
81335-46-8 4930 P



$C_{17}H_{16}N_3NaO_3$
Imazaquin, sodium salt.
Registered by EPA as a herbicide. *BASF Corp.*

2026 Imidacloprid

105827-78-9 4933 G P



$C_9H_{10}ClN_5O_2$
1-{(6-Chloro-3-pyridinyl)methyl}-4,5-dihydro-N-nitro-1H-imidazol-2-amine.
[138261-41-3]; Admire; BAY-NTN 33893; 1-((6-chloro-3-pyridinyl)methyl)-4,5-dihydro-N-nitro-1H-imidazol-2-amine; 1-{(6-Chloro-3-pyridyl)methyl}-N-nitro-2-imidazo-lidinimine; Confidor; Confidor 200 SL; CP 1; Gaucho; Imazethapyr; Imidacloprid; 1H-Imidazol-2-amine, 4,5-dihydro-1-((6-chloro-3-pyridinyl)methyl)-N-nitro-; 2-Imid-azolidinimine, 1-((6-chloro-3-pyridinyl)-methyl)-N-nitro-; Merit; Merit (insecticide); NTN 33823; NTN 33893; Provado. Systemic insecticide with contact and stomach action; applied as a foliar or soil treatment especially against sucking pests (virus vectors), e.g., aphids, thrips, whiteflies and leafhoppers on rice, potatoes, vegetables, cotton, tobacco, citrus, pome, stone fruit and other crops; also against some biting insects such as rice water weevil, Colorado potato beetle, wireworm, frit fly, beet fly, onion fly and citrus and apple leaf miners. Insecticide and termiticide. Registered by EPA as an insecticide and rodenticide. Crystals; mp = 136.4°, 143.8°; soluble in H_2O (0.05 g/100 ml); LD_{50} (rat orl) = 450 mg/kg, (rat der) > 5000 mg/kg, (Japanese quail orl) = 31 mg/kg; LC_{50} (golden orfe 96 hr.) = 237 mg/l; EC_{50} (*Daphnia* 24, 48 hr.) > 32 mg/l. *Bayer Corp.; Gustafson LLC.*

2027 Imidazole

288-32-4 4935 G

$C_3H_4N_2$
1,3-diaza-2,4-cyclopentadiene.
5-23-04-00191 (Beilstein Handbook Reference); AI3-24703; BRN 0103853; CCRIS 3345; 1,3-Diaza-2,4-cyclopentadiene; 1,3-Diazole; EINECS 206-019-2; Formamidine, N,N'-vinylene-; Glioksal; Glyoxalin; Glyoxaline; IMD; Imidazol; Imidazole; 1H-Imidazole; Imutex; Methanimidamide, N,N'-1,2-ethenediyl-; Miazole; NSC 60522; Pyrro(b)monazole; USAF EK-4733. Used for biological control of pests, especially fabric-feeding insects; contact insecticide in an oil spray. Crystals; mp = 90-91°; soluble in H_2O, organic solvents; LD_{50} (mus orl) = 1880 mg/kg. *BASF Corp.; Janssen Chimica; Organon Inc.; Sigma-Aldrich Fine Chem.*

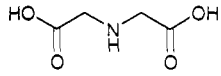
2028 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall oil

61791-39-7 H

4,5-Dihydro-7-nortall oil-1H-imidazole-1-ethanol.
4,5-Dihydro-7-nortall oil-1H-imidazole-1-ethanol; EINECS 263-171-2; 1-(2-Hydroxyethyl)-2-(tall oil alkyl)-2-imidazoline; 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.; 2-Imidazoline, 1-(2-hydroxyethyl)-2-(tall oil alkyl)-; Miramine TOC; 2-Nortall oil-1H-imidazole-1-ethanol, 4,5-dihydro-; 2-(Tall oil alkyl)-1-(2-hydroxyethyl)-2-imidazoline; Tall oil hydroxy-ethyl imidazoline.

2029 Iminodiacetic acid

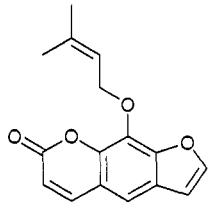
142-73-4 4940 H



$C_4H_7NO_4$
N-(Carboxymethyl)glycine.
4-04-00-02428 (Beilstein Handbook Reference); Acetic acid, 2,2'-iminobis-; Acetic acid, iminodi-; Aminodiacetic acid; BRN 0878499; Diglycin; Diglycine; Diglycocoll; Diglykokoll; EINECS 205-555-4; Glycine, N-(carboxymethyl)-; Hampshire; HSDB 2852; IDA; IDA (chelating agent); IMDA; NSC 18467; USAF DO-55. Prisms; mp = 247.5°; insoluble in EtOH, Et_2O, slightly soluble in H_2O.

2030 Imperatorin

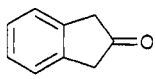
482-44-0 4949 G



$C_{16}H_{14}O_4$
9-[(3-Methylbut-2-enyl)oxy]-7H-furo[3,2-g][1]benzo-pyran-7-one.
AI3-61725; Ammidin; 5-Benzofuranacrylic acid, 6-hydroxy-7-((3-methyl-2-butenyl)oxy)-, δ-lactone; CCRIS 4346; EINECS 207-581-1; 7H-Furo(3,2-g)(1)benzopyran-7-one, 9-((3-methyl-2-butenyl)oxy)-; HSDB 3497; 6-Hydroxy-7-(3-methyl-2-butenyloxy)-5-benzofuranacrylic acid ω-lactone; 8-Isoamylenoxypsoralen; 8-Isopentenyl-oxypsoralene; Imperatorin; Marmelosin; 9-((3-methyl-2-butenyl)oxy)-9-(3-Methylbut-2-enyloxy)-7H-furo(3,2-g)-chromen-7-one; 9-((3-Methyl-2-butenyl)oxy)-7H-furo(3,2-g)(1)benzopyran-7-one; 9-(3-Methylbut-2-enyloxy)furo-(3,2-g)chromen-7-one; NSC 402949; Pentosalen. Chemical intermediate. mp = 102°; λ_m = 215, 247, 300 nm (ε = 26303, 22387, 12023, EtOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, petroleum ether, very soluble in $CHCl_3$.

2031 2-Indanone

615-13-4 G

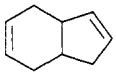


C_9H_8O
1,3-Dihydro-2H-inden-2-one.
4-07-00-01002 (Beilstein Handbook Reference); AI3-39163; BRN 0636550; EINECS 210-410-3; Indan-2-one; 2-Indanone; 2H-Inden-2-one, 1,3-dihydro-. Chemical intermediate. Needles; mp = 59°; bp =

218°; d^{69} ■ 1.0712; λ_m = 206 nm (ε ■ 10, cyclohexane); insoluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$. *Lancaster Synthesis Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.*

2032 Indene, 3a,4,7,7a-tetrahydro-

3048-65-5 H



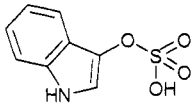
C_9H_{12}

3a,4,7,7a-Tetrahydro-1H-indene.

Bicyclo(4,3,0)nona-3,7-diene; BRN 1902859; EINECS 221-260-3; Indene, 3a,4,7,7a-tetrahydro-; 1H-Indene, 3a,4,7,7a-tetrahydro-; Tetrahydroindene; 3a,4,7,7a-Tetrahydro-1H-indene; 3a,4,7,7a-Tetrahydroindene; 4,7,8,9-Tetrahydroindene.

2033 Indican

487-94-5 4966 G



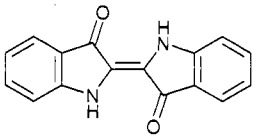
$C_{14}H_{17}NO_6$

Indol-3-yl potassium sulfate.

1H-Indol-3-ol, hydrogen sulfate (ester); 3-Indoxyl sulfate; 3-Indoxylsulfuric acid; Indican; Indican (metabolic indican); Indican (metabolic indolyl sulfate). Chemical intermediate. Crystals; mp = 179-180° (dec); soluble in H_2O, insoluble in organic solvents.

2034 Indigo

482-89-3 4968 G H



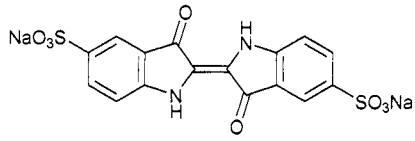
$C_{16}H_{10}N_2O_2$

2-(1,3-Dihydro-3-oxo-2H-indol-2-yiidene)-1,2-dihydro-3H-indol-3-one.

11669 Blue; 5-24-08-00503 (Beilstein Handbook Reference); AI3-09080; (2,2'-Biindoline)-3,3'-dione; Blue No. 201; BRN 0088275; CCRIS 4379; CI 73000; CI Pigment Blue 66; CI Vat Blue 1; Cystoceva; D & C Blue No. 6; Diindogen; EINECS 207-586-9; HSDB 4372; Indigo; Indigo Blue; Indigo Ciba; Indigo Ciba SL; Indigo J; Indigo N; Indigo NAC; Indigo nacco; Indigo P; Indigo PLN; Indigo powder W; Indigo Pure BASF; Indigo Pure BASF Powder K; Indigo synthetic; Indigo VS; Indigotin; Lithosol Deep Blue B; Lithosol Deep Blue V; Mitsui indigo paste; Mitsui Indigo Pure; Modr Kypova 1; Monolite Fast Navy Blue BV; NCI-C61392; NSC 8645; Pigment Blue 66; Synthetic indigo; Synthetic indigo TS; Vat Blue 1; Vulcafix Blue R; Vulcafor Blue A; Vulcanosine Dark Blue L; Vulcol Fast Blue GL; Vynamon Blue A. Natural indigo is obtained by steeping the leaves of indigo bearing plants in water then oxidizing the extract. Synthetic indigo is prepared by several methods; used for cotton, wool, silk, by steeping the material in a vat containing the leuco compound. Dark blue powder, mp = 290° (dec); sublimes 300°; λ_m = 600 nm ($CHCl_3$), 607 nm (EtOH); insoluble in water, EtOH, Et_2O, acids, soluble in nonpolar solvents with red and in polar solvents with blue color.

2035 Indigo Carmine

860-22-0 4969 G



$C_{16}H_8N_2Na_2O_8S_2$

Indigotin disulfonate sodium.

1311 Blue; 12070 Blue; 1H-Indole-5-sulfonic acid, 2-(1,3-dihydro-3-oxo-5-sulfo-2H-indol-2-; A.F. Blue No. 2; Acid Blue 74; Acid Blue W; Acid Leather Blue IC; AI3-09087; Airedale Blue IN; Amacid Brilliant Blue; Aniline Carmine powder; Atul Indigo Carmine; $\Delta^{2,2'}$-Biindoline)-5,5'-disulfonic acid, 3,3'-dioxo-, disodium salt; Bucacid indigotine B; C.I. 73015; C.I. 75781; C.I. Acid Blue 74; C.I. Food Blue 1, disodium salt; C.I. Food Blue 1; C.I. Natural Blue 2; Canacert Indigo Carmine; Carmine Blue (biological stain); CCRIS 1865; CI 73015; Cilefa Blue R; Dinatrium 3,3'-dioxo-(delta2,2'-biindolin)-5,5'-disulfonat; Dinatrium indigolin-5,5'-disulfonat; Disodium 3,3'-dioxo-($\Delta^{2,2'}$-biindoline)-5,5'-disulfonate; Disodium 5,5'-disulfoindigo; Disodium 5,5'-indigotin disulfonate; Disodium indigo-5,5-disulfonate; Disodium salt of 1-indigotin-S,S'-disulfonic acid; Disodium salt of 1-indigotin-S,S'-disulphonic acid; Dolkwal Indigo Carmine; E 132; Edicol Supra Blue X; EINECS 212-728-8; FD and C Blue No. 2; FD&C Blue No. 2; Food Blue 1; Food Blue 2; Grape Blue A; Grape Blue A Geigy; HD Indigo Carmine; HD Indigo Carmine Supra; Hexacert Blue No. 2; Hexacol Indigo Carmine Supra; Indigo carmine; Indigo Carmine; Indigo Carmine (biological stain); Indigo Carmine A; Indigo Carmine AC; Indigo Carmine BP; Indigo Carmine Conc. FQ; Indigo Carmine disodium salt; Indigo Carmine powder; Indigo Carmine X; Indigo disulfonate (biological stain); Indigo extract; Indigo-karmin; Indigocarmin; Indigotin-5,5'-disulfonic acid disodium salt; Indigotin I; Indigotindisulfonate Sodium; Indigotine; Indigotine B; Indigotine Blue LZ; Indigotine conc. powder; Indigotine disodium salt; Indigotine Extra Pure A; Indigotine I; Indigotine IA; Indigotine Lake; Indigotine N; Indocarmine F; Intense Blue; L-Blau 2; L Blue Z 5010; Maple Indigo Carmine; Mitsui Indigo Carmine; Modr Kysela 74; Modr Pigment 63; Modr Potravinarska 1; Murabba; NSC 8646; Sachsischblau; San-ei Indigo Carmine; Schultz Nr. 1309; Sodium 5,5'-indigotindisulfonate; Sodium indigo-5,5'-bisulfonate; Sodium indigotindisulfonate; Soluble indigo; Sumitomo Wool Blue SBC; Usacert Blue No. 2. Aid in diagnosis of kidney function. Also used as a dyestuff. Crystals; Solubie in H_2O (1 g/100 ml); slightly soluble in EtOH, insoluble in organic solvents. *Hynson Westcott & Dunning; Mitsui Toatsu.*

2036 Indium

7440-74-6 4971 G

In

In

Indium.

EINECS 231-180-0; HSDB 6972; Indium. Metallic element,; automobile bearings, electronic and semiconductor devices, brazing and soldering alloys, reactor control rods, electroplated coatings on aircraft bearings. Metal; mp = 155°; bp = 2000°; d = 7.3; specific heat = 0.0568 cal/g/°. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

2037 Indium oxide

1312-43-2 4975 G

In_2O_3

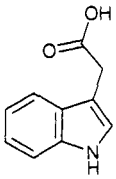
Indium(III) oxide.

Diindium trioxide; EINECS 215-193-9; India; Indium (3+) oxide; Indium (III) oxide; Indium oxide; Indium oxide (In_2O_3); Indium

sesquioxide; Indium trioxide. Used in the manufacture of special types of glass. Solid; d ■ 7.18; volatilizes at 850°; insoluble in water; soluble in hot mineral acids. *Atomergic Chemetals; Cerac; Noah Chem.*

2038 Indol-3-ylacetic acid

87-51-4 4986 P



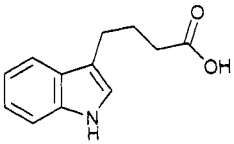
$C_{10}H_9NO_2$

1H-Indole-3-acetic acid.

Acetic acid, indolyl-; AI3-24131; 3-(Carboxymethyl)-indole; CCRIS 1014; EINECS 201-748-2; EPA Pesticide Chemical Code 128915; Heteroauxin; IAA; 3-Iaa; Indole-3-acetic acid; 1H-Indole-3-acetic acid; 3-Indoleacetic acid; Indoleacetic acid; -Indoleacetic acid; Indol-3-ylacetic acid; -Indolylacetic acid; Kyselina 3-indolyloctova; NSC 3787; Rhizopin; Rhizopon A; -Skatole carboxylic acid. A root growth promoter and plant growth regulator. Pale, salmon-colored crystals; mp = 168.5°; pK = 4.75; poorly soluble in H_2O (0.15 g/100 ml), soluble in EtOH (10 - 100 g/100 ml), Me_2CO (3 - 10 g/100 ml), Et_2O (3 - 10 g/100 ml), $CHCl_3$ (1 - 3 g/100 ml); LD_{50} (mus der) = 1000 mg/kg; non-toxic to bees. *ACF; Fargro Ltd.; Generic.*

2039 4-Indol-3-ylbutyric acid

133-32-4 4987 G P



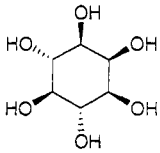
$C_{12}H_{13}NO_2$

4-(3-indole)butyric acid.

5-22-03-00140 (Beilstein Handbook Reference); AI3-17434; BRN 0171120; Butyric acid, 4-(indolyl)-; Caswell No. 499; CCRIS 1020; Chryzoplus, Chryzopon, Chryzosan, Chryzotek; EINECS 205-101-5; EPA Pesticide Chemical Code 046701; Hormex rooting powder; Hormodin; IBA; Indolbutyric acid; Indole-3-butanoic acid; 1H-Indole-3-butanoic acid; Indolebutyric acid; Indole butyric acid; Indole-3-butyric acid; 1H-Indole-3-butyric acid; β-Indolebutyric acid; 3-Indolebutyric acid; 4-(Indol-3-yl)butyric acid; 4-Indol-3-ylbutyric acid; 3-Indolyl-γ-butyric acid; Indol-3,4'-yl butyric acid; Jiffy grow; Kyselina 4-indol-3-ylmaselina; NSC 3130; Rhizopon AA; Seradix; Seradix 2; Seradix 3; Seradix B 2; Seradix B 3; hormodin; IBA. A root growth promoter. Used for promotion and acceleration of root formation in plant clippings. mp = 124.5°; λ_m ■ 222, 282, 290 nm (ε = 55900, 9140, 7740, MeOH); insoluble in H_2O, petroleum ether, soluble in DMSO, very soluble in C_6H_6; LD_{50} (mus ip) = 100 mg/kg. *Embetec Crop Protection Ltd.; Fargro Ltd.; Penta Mfg.; Pfalz & Bauer; Spectrum Chem. Manufacturing.*

2040 Inositol

87-89-8 5001 D G



$C_6H_{12}O_6$

Hexahydroxycyclohexane.

AI3-16111; Bios I; CCRIS 6745; Cyclohexanehexol; Cyclohexitol; Dambose; EINECS 201-781-2; i-Inositol; Inositene; Inositina; Inositol; Insitolum; Isoinositol; Meat sugar; meso-Inositol; Mesoinosit; Mesoinosite; Mesoinositol; Mesol; Mesovit; mouse antialopecia factor; Muscle sugar; myo-Inositol; Myoinosite; Myoinositol; NSC 404118; Nucite; Phaseomannite; Phaseomannitol; rat antispectacled eye factor; Scyllite. A lipotropic agent, used as a nutrient. mp = 225-227°; d = 1.752; soluble in H_2O (14 g/100 ml at 25°, 28 g/100 ml at 60°, slightly soluble in EtOH, insoluble on other organic solvents.

2041 Insulin, human

11061-68-0 5003 D

$C_{257}H_{383}N_{65}O_{77}S_6$

Human insulin.

EINECS 234-279-7; Human insulin; Humulin; Humuline; Insulin; Insulin (Cercopithecus aethiops); Insulin (Macaca fascicularis); Insulin (Macaca mulatta); Insulin (Pan troglodytes); Insulin, human synthetic; Insulina humana; Insuline humaine; Insulinum humanum; Novolin; Novolin R; Penfil R; Ultraphane; Velosulin. The natural antidiabetic principle produced by the human pancreas. Used as an antidiabetic agent. *Christiaens S.A.; Novo Nordisk Pharm. Inc.*

2042 Insulin, isophane

9004-17-5 5003 D

Isophane insulin.

Depo-insulin; Deposulin; Humulin N-U 100; Insulin, depo; Insulin, nph; Insulin, protamine zinc; Insulin retard RI; Insulina isofana; Insulina-zinco protaminato iniettabile; Insulini zinci protaminati injectio; Insulini zinco protamini aquosuspensa; Insulinum isophanum; Insulyl-retard; Inyectable de insulina cinc protamina; Isophane insulin; Isophane insuline; Isophanum insulinum; neutral protein Hagedorn insulin; NPH humulin insulin; NPH Iletin; NPH insulin; Prep. injectable d'insuline zinc protam.; Protamine zinc insulin; Protaphane HM; PZI insulin; Suspension injectable d'insuline protamine zinc; Zinc protamine insulin; Zinc-protamininsulinum. Antidiabetic agent. Crystallized form consisting of protamine, insulin, and zinc. Activity begins 3-4 hours after sc injection; lasts 18-28 hours. pH = 7.1-7.4. *Christiaens S.A.; Novo Nordisk Pharm. Inc.*

2043 Insulin, Lispro

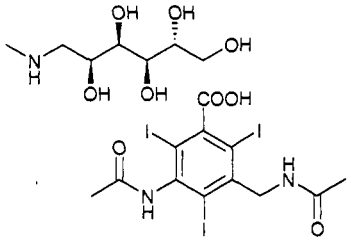
133107-64-9 5008 D

28B-L-Lysine-29B-L-prolineinsulin (human).

Humalog; Insulin lispro; LY 275585. Antidiabetic agent. *Eli Lilly & Co.*

2044 Iodamide meglumine

18656-21-8 5033 G



$C_{19}H_{28}I_3N_3O_9$

3-(Acetylamino)-5-[(acetylamino)methyl]-2,4,6-triiodo-benzoic acid N-methyl-D-glucamine salt.

Conraxin H; 1-Deoxy-1-(methylamino)-D-glucitol α,5-diacetamido-2,4,6-triiodo-m-toluate; α,5-Diacetamido-2,4,6-triiodo-m-toluic acid compound + 1-deoxy-1-(methylamino)-D-glucitol; EINECS 242-480-6; Glucitol, 1-deoxy-1-(methylamino)-,α,5-diacetamido-2,4,6-triiodo-m-toluate (salt), D-; Iodamide 300; Iodamide methylglucamine; Iodamide N-methyl-D-glucamine salt; Isteropac E.R.; Jodamid methylglucaminsalz; Meglumine iodamide; Meglumine Sodium Iodamide Injection; Opacist E.R.; Renovue-65; Renovue-DIP. Radiopaque medium used as a diagnostic aid. Sparingly soluble in H_2O, alcohol, insoluble in other organic solvents; LD_{50} (rat iv) = 11.4 g/kg. *Bristol-Myers Squibb Co.*

2045 Iodine

7553-56-2 5036 D G P

I_2

Actomar; AI3-08544; Caswell No. 501; Diiodine; EINECS 231-442-4; EPA Pesticide Chemical Code 046905; Eranol; Ethanolic solution of iodine; HSDB 34; IODE; Iodine; Iodine (resublimed); Iodine-127; Iodine colloidal; Iodine crystals; Iodine solution; Iodine sublimed; Iodine Tincture USP; Iodio; Iosan superdip; Jod; Jood; Molecular iodine; NSC 42355; Tincture iodine; Vistarin. Nonmetallic halogen element; dyes, alkylation and condensation catalyst, iodides, iodates, antiseptics, germicides, x-ray contrast media, food and feed additive, stabilizers, photographic film, water treatment, pharmaceuticals, medicinal soaps. Registered by EPA as an antimicrobial, fungicide and herbicide. BP, Ph.Eur. compliance. Used in medicinal soaps, x-ray contrast media, radioisotopes used in diagnosis and treatment, used in expectorants and thinners, in cough medicines for treatment of asthma, in topical antiseptics and anesthetics. Antihyperthyroid and topical anti-infective. Also used, particularly in veterinary medicine, to treat goiter. CAUTION: Overexposure could cause irritation of eyes and nose, lacrimation, headache, tight chest, skin burns or rash, cutaneous hypersensitivity. Highly corrosive on the GI tract. Metallic crystals; mp ▫ 113.60°; bp = 185.24°; soluble in water, organic solvents. *Andeno; Atomergic Chemetals; Cerac; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2046 Iodobenzene

591-50-4 5051 G

C_6H_5I

Phenyl iodide.

AI3-16898; Benzene iodide; Benzene, iodo-; EINECS 209-719-6; Iodinebenzol; Iodobenzene; NSC 9244; Phenyl iodide. Chemical intermediate. Liquid; mp = -31.3°; bp = 188.4°; d^{20} = 1.8308; λ_m ▫ 226, 250 nm (ε = 11700, 732, MeOH); insoluble in H_2O; slightly soluble in EtOH, freely soluble in Et_2O, Me_2CO, C_6H_6, CCl_4, ligroin. *Greeff R.W. & Co.*

2047 Iodoform

75-47-8 5055 G

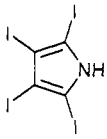
CHI_3

Triiodomethane.

AI3-52396; Carbon triiodide; CCRIS 346; Dezinfekt V; EINECS 200-874-5; HSDB 4099; Iodoform; Jodoform; Methane, triiodo-; NCI-C04568; NSC 26251; Triiodomethane; Trijodmethane. Used as a topical anti-infective and disinfectant. Yellow crystals; mp = 119°; bp ▫ 218°; d^{25} = 4.008; insoluble in H_2O, more soluble in organic solvents; LD_{50} (rat orl) = 355 mg/kg. *Alfa Aesar; Allchem Ind.; Clariant Corp.; Lancaster Synthesis Co.; Molekula Fine Chemicals; Walton Pharm.*

2048 Iodol

87-58-1 5063 G



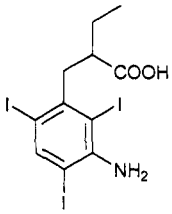
C_4HI_4N

Tetraiodopyrrole.

EINECS 201-754-5; Iodol; Iodopyrrole; 2,3,4,5-Tetraiodopyrrole. Used externally as a disinfectant for superficial lesions. Yellow needles; mp = 150° (dec); soluble in H_2O (2.04 g/100 ml), more soluble in Me_2CO, Et_2O, $CHCl_3$.

2049 Iodopanoic acid

96-83-3 5074 G



$C_{11}H_{12}I_3NO_2$

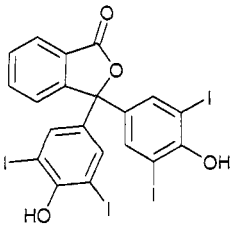
3-Amino-α-ethyl-2,4,6-triiodobenzenepropanoic acid.

4-14-00-01741 (Beilstein Handbook Reference); Acide iopanoique; Acido iopanoico; Acidum iopanoicum; 3-Amino-α-ethyl-2,4,6-triiodohydrocinnamic acid; 3-Amino-α-ethyl-2,4,6-triiodobenzenepropanoic acid; 2-(3-Amino-2,4,6-triiodobenzyl)butyric acid; β-(3-Amino-2,4,6-triiodophenyl)-α-ethylpropionic acid; 3-(3-Amino-2,4,6-triiodophenyl)-2-ethylpropanoic acid; Benzenepropanoic acid, 3-amino-α-ethyl-2,4,6-triiodo-; Bilijodon; BRN 2220381; Choladine; Cholevid; Cistobil; Colepax; Copanoic; EINECS 202-539-9; 2-Ethyl-3-(3-amino-2,4,6-triiodophenyl)propionic acid; HSDB 3345; Hydro-cinnamic acid, 3-amino-α-ethyl-2,4,6-triiodo-; Iopagnost; Iopanoic acid; Iopanoicum; Jopagnost; Jopanoic acid; NSC 41706; Polognost; Telepaque; Teletrast; WIN 2011. Radiopaque agent, used as a diagnostic aid. (dl) form; Crystals; mp = 155-157°; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 3870

mg/kg. *Sterling Health U.S.A.; Sterling Res. Labs.*

2050 **Iodophthalein**

386-17-4 5060 G



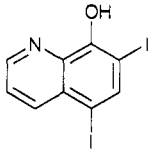
$C_{20}H_{10}I_4O_4$

Tetraiodophenolphthalein.

4-18-00-01949 (Beilstein Handbook Reference); 3,3-Bis(4-hydroxy-3,5-diiodophenyl)phthalide; 3,3-Bis(4-hydroxy-3,5-diiodophenyl)-1(3H)-isobenzofuranone; BRN 0351654; EINECS 206-857-9; Iodophene; Iodophthalein sodium free acid; 1(3H)-Isobenzofuranone, 3,3-bis(4-hydroxy-3,5-diiodophenyl)-; Jodphthaleinum; Kerasol; Phenolphthalein, 3',3'',5',5''-tetraiodo-; 3',3'',5',5''-Tetra-iodophenolphthalein. Amorphous solid; mp = 308°; d^{22} ■ 2.0201; slightly soluble in $CHCl_3$, insoluble in H_2O, EtOH, Et_2O.

2051 **Iodoquinol**

83-73-8 5064 D G



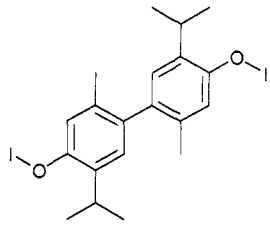
$C_9H_5I_2NO$

5,7-diiodo-8-quinolinol.

5-21-03-00296 (Beilstein Handbook Reference); AI3-16443; BRN 0153639; Caswell No. 354; Cor-Tar-Quin; Di-quinol; Diamoebin; Diiodohidroxiquinoleina; Diiodo-hydroxyquin; Diiodohydroxyquinoleine; Diiodohydroxy-quinoline; 5,7-Diiodo-8-hydroxyquinoline; 5,7-Diiodo-oxine; 5,7-Diiodo-8-quinolinol; Diiodohydroxy-quino-linum; Diiodoidrossichinolina; Di-iodoquin; Dijodoxi-chinoline; Dijodoxichinolinum; Di-noleine; Diodohydr-oxyquin; Diodoquin; Diodoquine; Diodoxylin; Diodoxy-quinoleine; Direxiode; Disoquin; Dyodin; EINECS 201-497-9; Embequin; Enterodiamoebin; Enterosept; EPA Pesticide Chemical Code 024003; Floraquin; Fluoraquin; HSDB 3224; 8-Hydroxy-5,7-diiodoquinoline; Iodoquinol; Ioquin; Ioquin suspension; Lanodoxin; Moebiquin; NSC 8704; Quinadome; 8-Quinolinol, 5,7-diiodo-; Rafamebin; Searlequin; Sebaquin; SS 578; Stanquinate; Vytone; Yodoxin; Zoaquin. Anti-amebic. Yellow needles; mp = 210° (dec); λ_m = 251, 313, 349 nm (ε ■ 19055, 4467, 4786, i-PrOH); insoluble in H_2O, Et_2O, C_6H_6, $CHCl_3$, ACOH, soluble in EtOH, hot C_5H_5N, dioxane. *Glenwood Inc.; Searle G.D. & Co.*

2052 **Iodothymol**

552-22-7 G



$C_{20}H_{24}I_2O_2$

Hypoiodous acid, 2,2'-dimethyl-5,5'-bis(1-methylethyl)-[1,1'-biphenyl]-4,4'-diyl ester.

Annidalin; Aristol; 4,4'-Bis(iodooxy)-2,2'-dimethyl-5,5'-bis(1-methylethyl-1,1'-biphenyl; Bithymol diiodide; Diiododithymol; 5,5'-Diisopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihypoiodite; Dithymol diiodide; EINECS 209-007-5; HSDB 867; Hypoiodous acid, 2,2'-dimethyl-5,5'-bis(1-methylethyl)(1,1'-biphenyl)-4,4'-diyl ester; Iodistol; Iodohydromol; Iodosol; Iosol; Iothymol; Lothymol; NSC 2222; Thymiode; Thymiodol; Thymodin; Thymol iodide; Thymotol.

2053 **Iodotope I-125**

7790-26-3 8706 D G

Na—I

^{125}INa

Sodium iodide ^{125}I.

Iodotope; Oriodide; Radiocaps-125; Theriodide-125. Diagnostic aid (thyroid function); radioactive agent. *Bristol-Myers Squibb Co.*

2054 **Iodotope I-131**

7790-26-3 8706 D G

Na—I

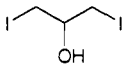
^{131}INa

Sodium iodide ^{131}I.

Iodotope; Oriodide; Radiocaps-131; Theriodide-131. Antineoplastic; diagnostic aid; radioactive agent. *Bristol-Myers Squibb Co.*

2055 **Iohydrin**

534-08-7 5083 G



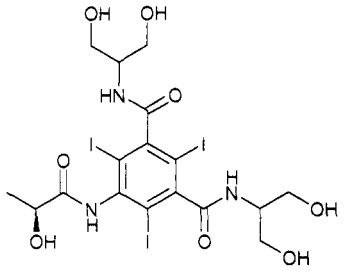
$C_3H_6I_2O$

1,3-Diiodoisopropyl alcohol.

3-01-00-01476 (Beilstein Handbook Reference); Agojodo; AI3-61824; BRN 1732080; 1,3-Diiodoisopropyl alcohol; 1,3-Diiodo-2-propanol; 1,3-Diiodopropan-2-ol; Dijodan; EINECS 208-586-1; Glycerol-α,γ-diiodohydrin; Iioprop-ane; Iothion; Iotone; Jothion; 2-Propanol, 1,3-diiodo-. Chemical intermediate. Solid; d = 2.4-2.5; soluble in H_2O (1.25 g/100 ml); more soluble in organic solvents.

2056 **Iopamidol**

60166-93-0 5073 G



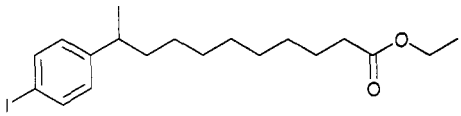
$C_{17}H_{22}I_3N_3O_8$

(S)-N,N'-Bis[2-hydroxy-1-(hydroxymethyl)ethyl]-5-[(2-hydroxy-1-oxopropyl)amino]-2,4,6-triiodo-1,3-benzene-dicarboxamide.

B 15000; 1,3-Benzenedicarboxamide, N,N'-bis(2-hydroxy-1-(hydroxymethyl)ethyl)-5-((2-hydroxy-1-oxo-propyl)amino)-2,4,6-triiodo-, (S)-; L-(+)-N,N'-Bis(2-hydr-oxy-1-hydroxymethylethyl)-2,4,6-triiodo-5-lactamide iso-phthalamide; (S)-N,N'-bis(2-Hydroxy-1-(hydroxy-meth-yl)ethyl)-2,4,6-triiodo-5-lactamidoisophthalamide; (S)-N, N'-Bis(2-hydroxy-1-(hydroxymethyl)ethyl)-5-((2-hydroxy-1-oxopropyl)amino)-2,4,6-triiodoisophthal-diamide; BRN 6250226; EINECS 262-093-6; L-5α-Hydroxypropionyl-amino-2,4,6-triiodoisophthalic acid di(1,3-dihydroxy-2-propylamide); L-5α-idrossipropionil-amino-2,4,6-triiodo-isoftal-di(1,3-diidrossi-2-propilamide); Iopamidol; Iopam-idol 300; Iopamidolum; Iopamiro; Iopamiro 370; Iopam-iron; Iopamiron 300; Iopamiron 370; Isovue; Isovue-370; Jopamiron 200; Niopam; Niopam 300; Solutrast; Solutrast 370; SQ 13396. Radiopaque medium used as a diagnostic aid. Crystals; dec 300°; $[\alpha]_D^{20}$ = -2.01°; soluble in H_2O, methanol, insoluble in chloroform; LD_{50} (rat iv) = 28.2 g/kg. *Bristol-Myers Squibb Co.*

2057 Iophendylate

99-79-6 5076 G



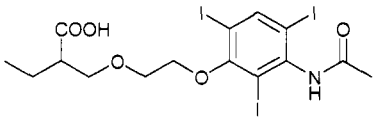
$C_{19}H_{29}IO_2$

Ethyl 10-(p-iodophenyl)undecanoate.

3-09-00-02627 (Beilstein Handbook Reference); Benzenedecanoic acid, 4-iodo-ι-methyl-, ethyl ester; BRN 2661373; EINECS 202-787-8; Ethiodan; Ethyl 10-(p-iodophenyl)undecylate; Ethyl 10-(p-iodophenyl)-hendecanoate; Ethyl iodophenylundecylate; HSDB 3346; Iofendilato; Iofendylate; Iofendylatum; Iogiunide; Iophendylate; Jofendylatum; Mulsopaque; Myodil; Neurotrast; Pantopaque; Undecanoic acid, 10-(p-iodophenyl)-, ethyl ester. Diagnostic aid - X-ray contrast medium for myelography. d_{20}^{20} = 1.240-1.263; insoluble in H_2O, soluble in organic solvetns; LD_{50} (rat ip) = 19 g/kg. *Alcon Labs; British Drug Houses.*

2058 Iopronic acid

41473-08-9 5079 G



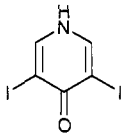
$C_{15}H_{18}I_3NO_5$

2-[[2-[3-(acetylamino)-2,4,6-triiodophenoxy]ethoxy]-methyl]butanoic acid.

(±)-2-[[2-(3-acetamido)-2,4,6-triiodophenoxy]ethoxy]-methyl]butyric acid; B-11420; Bilimiro; Bilmiron; Iopronic acid; Oravue; SQ-21983; Videobil. Radio-opaque medium used as a diagnostic aid. Solid; LD_{50} (mus iv) = 32 g/kg, (rat iv) = 23 g/kg. *Bracco Diagnostics Inc.; Bristol-Myers Squibb Co.*

2059 Iopydone

5579-93-1 5081 G



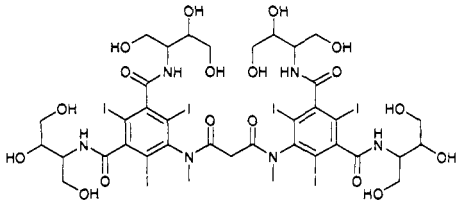
$C_5H_3I_2NO$

3,5-Diiodo-4(1H)-pyridinone.

5-21-07-00164 (Beilstein Handbook Reference); BRN 1447538; 3,5-Diiodo-4-pyridone; 3,5-Diiodo-4(1H)-pyridone; DJP; EINECS 226-969-1; Hytrast; Iopidona; Iopydon; Iopydone; Iopydonum; Jopydonum; NSC 135284; 4(1H)-Pyridinone, 3,5-diiodo-; 4(1H)-Pyridone, 3,5-diiodo-. Diagnostic aid. A radiopaque medium used in bronchography. Solid; mp = 321° (dec); insoluble in H_2O, organic solvents.

2060 Iotrolan

79770-24-4 5084 G



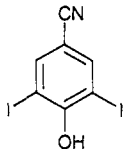
$C_{37}H_{48}I_6N_6O_{18}$

5,5'-[(1,3-Dioxo-1,3-propanediyl)bis(methylimino)]bis-[N,N'-bis[2,3-dihydroxy-1-(hydroxymethyl)propyl]-2,4,6-triiodo-1,3-benzenedicarboxamide.

1,3-Benzenedicarboxamide, 5,5'-((1,3-dioxo-1,3-propanediyl)bis(methylimino))bis(N,N'-bis(2,3-dihydroxy-1-(hydroxymethyl)propyl)-2,4,6-triiodo-; DL 3-117; DL-3117; Iotrol; Iotrolan; Iotrolanum; Iotrolum; Iotrovist; Isovist; 5,5'-(Malonylbis(methylimino))bis(N,N'-bis(2,3-dihydroxy-1-(hydroxymethyl)propyl)-2,4,6-triiodoiso-phthalamide); SH 437; ZK 39482. Radiopaque medium used as a diagnostic aid. Solid; soluble in H_2O (> 850 g/l); LD_{50} (rat iv) = 27.1 g/kg.

2061 Ioxynil

1689-83-4 H P



$C_7H_3I_2NO$

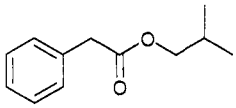
4-Hydroxy-3,5-diiodobenzonitrile.

15380 RP; 3-10-00-00373 (Beilstein Handbook Reference); ACP 63303; Actril; Actrilawn; Bantrol; Bentrol; BRN 2364041; CA 69-15; Caswell No. 353A; Certrol; Cipotril; EINECS 216-881-1; EPA Pesticide Chemical Code 353200; HSDB 1584; Iotox; Iotril; Ioxynil;

Joxynil; Loxynil; M&B 11641; Mate; Topper; Totril; Trevespan. Contact herbicide for use in turf, onion crops. Colorless crystals; mp = 212 - 213°; soluble in H_2O (0.005 g/100 ml), Me_2CO (7 g/100 ml), EtOH (2 g/100 ml), MeOH (2 g/100 ml), cyclohexanone (14 g/100 ml), THF (34 g/100 ml), DMF (74 g/100 ml), $CHCl_3$ (1 g/100 ml), CCl_4 (< 0.1 g/100 ml); LD_{50} (rat orl) = 110 mg/kg, (mus orl) = 230 mg/kg, (rat der) > 2000 mg/kg, (pheasant orl) = 75 mg/kg; LC_{50} (harlequin fish 48 hr.) = 3.3 mg/l (sodium salt); non-toxic to bees. *Aventis Crop Science; CFPI Agro SA; Makhteshim-Agan; Rhône-Poulenc.*

2062 Iphaneine

102-13-6 G



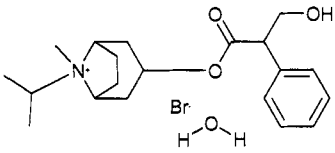
$C_{12}H_{16}O_2$

2-Methyl propyl phenyl acetate.

Acetic acid, phenyl-, isobutyl ester; AI3-01969; Benzeneacetic acid, 2-methylpropyl ester; CCRIS 7324; EINECS 203-007-9; FEMA No. 2210; Isobutyl α-toluate; Isobutyl phenylacetate; Isobutyl phenylethanoate; 2-Methylpropyl benzeneacetate; 2-Methylpropyl phenylacetate; NSC 6602; Phenylacetic acid, isobutyl ester. Used in perfumery as a sweet musk chocolate amber scent. Solid; bp = 247°; d^{18} = 0.999; λ_m = 257, 264 nm (MeOH); insoluble in H_2O, soluble in EtOH, Et_2O. *Bush Boake Allen; IFF.*

2063 Ipratropium Bromide

66985-17-9 D



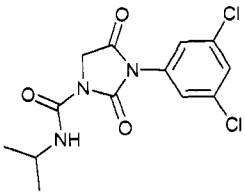
$C_{20}H_{30}BrNO_3.H_2O$

(8R)-3α-Hydroxy-8-isopropyl-1αH,5αH-tropanium bromide monohydrate.

Atem; Atrovent; Bitrop; Combivent; Ipratropium bromide; Itrop; Narilet; Rinatec; Sch-1000-Br-monohydrate.; component of: Combivent. An anticholinergic bronchodilator and antiarrhythmic. White solid; mp = 230-232°; soluble in H_2O, MeOH, EtOH; insoluble in Et_2O, $CHCl_3$, fluorohydrocarbons; LD_{50} (mmus orl) = 1001 mg/kg, (mmus iv) = 12.29 mg/kg, (mmus sc) = 300 mg/kg, (fmus orl) = 1083 mg/kg, (fmus iv) = 14.97 mg/kg, (fmus sc) = 340 mg/kg, (mrat orl) = 1663 mg/kg, (mrat iv) = 15.89 mg/kg, (frat orl) = 1779 mg/kg, (frat iv) = 15.70 mg/kg. *Boehringer Ingelheim Ltd.; Schering AG.*

2064 Iprodione

36734-19-7 5096 P



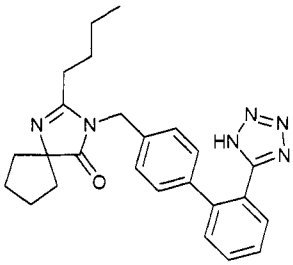
$C_{13}H_{13}Cl_2N_3O_3$

3-(3,5-Dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide.

26019 rp; 330.16; 5-24-05-00201 (Beilstein Handbook Reference); Anfor; BRN 0895003; Caswell No. 470A; Chipco 26019; EINECS 253-178-9; EPA Pesticide Chemical Code 109801; FA 2071; FRP 26019; Glycophen; Glycophene; HSDB 6855; Iprodial; Iprodine; Iprodione; Kidan; LFA 2043; MRC 910; NRC 910; Promidione; ROP 500; ROP 500 F; Rovral; Rovral 50WP; Rovral Flo; Rovral HN; Rovral PM; Rovrol; RP 26019; Verisan. Registered by EPA as a fungicide. Colorless crystals; mp = 136°; soluble in H_2O (0.0013 g/100 ml at 20°), EtOH (2.5 g/100 ml), MeOH (2.5 g/100 ml), Me_2CO (30 g/100 ml), CH_2Cl_2 (50 g/100 ml), DMF (50 g/100 ml); LD_{50} (rat orl) = 4000 mg/kg, (mus orl) = 3500 mg/kg. *Andersons Lawn Fertilizer Div. Inc.; Aventis Crop Science; Micro-Flo Co. LLC; Scotts Co.*

2065 Irbesartan

138402-11-6 5100 D



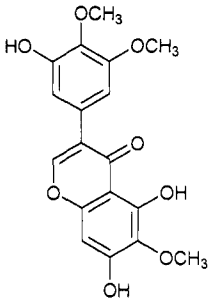
$C_{25}H_{28}N_6O$

2-Butyl-3-[p-(o-1H-tetrazol-5-ylphenyl)benzyl]-1,3-diazaspiro[4.4]non-1-en-4-one.

Avapro; BMS 186295; Irbesartan; SR 47436. Non-peptidic angiotensin II type-1 receptor antagonist. Used as an antihypertensive. Crystals; mp = 180-181°. *Bristol-Myers Squibb Pharm. R&D; Sanofi Winthrop.*

2066 Irigenin

548-76-5 5107 G



$C_{18}H_{16}O_8$

3',5,7-trihydroxy-4',5',6,-trimethoxyisoflavone.

5,7-Dihydroxy-3-(3-hydroxy-4,5-dimethoxyphenyl)-6-methoxy-4-benzopyrone; EINECS 208-958-3; Irigenin; 3',5,7-Trihydroxy-4',5',6,-trimethoxyisoflavone. The aglycone of iridin. A pigment. Crystals; mp = 185°; λ_m = 267 nm; insoluble in H_2O, soluble in organic solvents.

2067 Iron

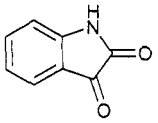
7439-89-6 5109 G

Fe

Fe
Iron.
3ZhP; A 227; Ancor B; Ancor en 80/150; Armco iron; Atomel 28; Atomel 95; Atomel 300M200; Atomel 500M; Atomiron 44MR; Atomiron 5M; Atomiron AFP 5; Atomiron AFP 25; ATW 230; ATW 432; Carbonyl iron; CCRIS 1580; Copy Powder CS 105-175; DSP 1000; DSP 128B; DSP 135; DSP 135C; DSP 138; EF 250; EF 1000; EFV 200/300; EFV 250; EFV 250/400; EINECS 231-096-4; EO 5A; F 60 (metal); Ferrous iron; Ferrovac E; Ferrum; FT 3 (element); GS 6; HF 2 (element); HL (iron); Hoeganaes ATW 230; Hoeganaes EH; HQ (metal); HS (iron); HS 4849; HSDB 604; Iron; Iron, elemental; LOHA; Malleable iron; NC 100; PZh-1M3; PZh-2; PZh1M1; PZh2M; PZh2M1; PZh2M2; PZh3; PZh3M; PZh4M; PZhO; Remko; SUY-B 2; Wrought iron. Used to form steels by alloying with other elements such as C, Ni, Mn, Cr. Radioisotopes of iron are used in biological research and in medicine. Metallic solid; mp = 1535°; bp = 3000°; d = 7.8600; electrical resistivity = 9.71 microhm-cm.

2068 Isatin

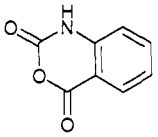
91-56-5 5119 G



$C_8H_5NO_2$
1H-Indole-2,3-dione.
5-21-10-00221 (Beilstein Handbook Reference); AI3-03111; o-Aminobenzoylformic anhydride; BRN 0383659; 2,3-Diketoindoline; 2,3-Dioxo-2,3-dihydroindole; 2,3-Dioxoindoline; EINECS 202-077-8; Indole-2,3-dione; Indoline-2,3-dione; 2,3-Indolinedione; 1H-Indole-2,3-dione; Isatic acid lactam; Isatin; Isatine; Isatinic acid anhydride; Isotin; 2,3-Ketoindoline; NSC 9262; Pseudoisatin; Tribulin. Intermediate for production of pharmaceuticals and dyes, stabilizer used in the plastics industry. Analytical reagent for mercaptans, thiophene, indican and Cu^{2+} ions. Orange prisms; mp ■ 203° (dec); λ_m = 212, 295 nm (ε = 9800, 10600, MeOH); poorly soluble in H_2O, more soluble in EtOH, less soluble in Et_2O, Me_2CO, C_6H_6, soluble in organic solvents. *BASF Corp.*

2069 Isatoic anhydride

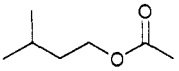
118-48-9 H



$C_8H_5NO_3$
N-Carboxyanthranilic acid cyclic anhydride.
4-27-00-03330 (Beilstein Handbook Reference); AI3-24983; Benzoic acid, 2-(carboxyamino)-, cyclic anhydride; BRN 0136786; N-Carboxyanthranilic acid cyclic anhydride; N-Carboxyanthranilic anhydride; EINECS 204-255-0; HSDB 5017; Isatoic acid anhydride; Isatoic anhydride; NSC 104662.

2070 Isoamyl acetate

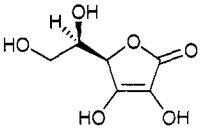
123-92-2 5127 G



$C_7H_{14}O_2$
Isopentyl Acetate.
4-02-00-00157 (Beilstein Handbook Reference); Acetic acid, 3-methylbutyl ester; Acetic acid, isopentyl ester; AI3-00576; Amyl acetate; i-Amyl acetate; Amylacetic ester; Banana oil; BRN 1744750; 1-Butanol, 3-methyl-, acetate; CCRIS 6051; EINECS 204-662-3; FEMA Number 2055; HSDB 1818; Isoamyl acetate; Isoamyl ethanoate; Isoamylester kyseliny octove; Isopentyl acetate; Isopentyl alcohol, acetate; Isopentyl ethanoate; Jargonelle pear essence; 3-Methyl-1-butanol acetate; β-Methylbutyl acetate; 2-Methylbutyl ethanoate; 3-Methylbutyl acetate; 3-Methyl-1-butyl acetate; 3-Methylbutyl ethanoate; NSC 9260; Pear oil; Pentyl acetate, all isomers; β-methyl butyl acetate; Amyl acetate, common. Provides a pear flavor. Used as a flavorant in foods, beverages and confectionery and as a solvent. Also used in the manufacture of fruit essences. mp ■ -78.5°; bp = 142.5°; d^{15} = 0.876; slightly soluble in H_2O (0.25 g/100 ml), soluble in Me_2CO, $CHCl_3$, AmOH, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 16600 mg/kg. *Penta Mfg.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

2071 Isoascorbic acid

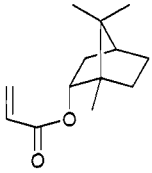
89-65-6 5143 G H



$C_6H_8O_6$
D-erythro-Hex-2-enonic acid, γ-lactone.
5-18-05-00026 (Beilstein Handbook Reference); Araboascorbic acid; D-Araboascorbic acid; BRN 0084271; CCRIS 6568; EINECS 201-928-0; Erycorbin; Erythorbic acid; D-Erythorbic acid; Erythroascorbic acid, D-; FEMA Number: 2410; Glucosaccharonic acid; HSDB 584; Isoascorbic acid; D-Isoascorbic acid; Isovitamin C; Mercate 5; Neo-cebicure; NSC 8117; Saccharosonic acid. Used as an antioxidant and antimicrobial agent (industrial, food, brewing), and as a reducing agent in photography. Isomer of ascorbic acid. Crystals; mp = 174° (dec); $[\alpha]_D^{20}$ = -16.6°; soluble in H_2O, EtOH, C_5H_5N, moderately soluble in Me_2CO, slightly soluble in glycerol. *Ashland; Spice King.*

2072 Isobornyl acrylate

5888-33-5 G

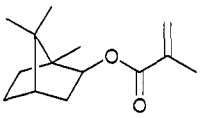


$C_{13}H_{20}O_2$
exo-1,7,7-Trimethylbicyclo(2.2.1)hept-2-yl acrylate.
Acrylic acid, isobornyl ester; Ageflex IBOA; Al-co-cure IBA; Ebecryl IBOA; EINECS 227-561-6; IBOA; Isobornyl acrylate; Light Acrylate IB-XA; 2-Propenoic acid, (1R,2R,4R)-1,7,7-trimethylbicyclo(2.2.1)hept-2-ylester, rel-; 2-Propenoic acid, 1,7,7-trimethylbicyclo(2.2.1)hept-2-yl ester, exo-; QM 589; Sartomer 506; SR 506; SR 506 (acrylate). Intermediate in the preparation of monomers and for acrylic polymers which, when cured provide hardness, low shrinkage, abrasion resistant, heat and water resistant, good weatherability in automotive coatings, electronics, adhesives. Liquid; mp = -60°; d_{20}^{20} = 0.986; m.p. -60°; f.p. <-20°; flash

pt. 84°; irritant. *Rit-Chem; Sigma-Aldrich Fine Chem.*

2073 Isobornyl methacrylate

7534-94-3 G H



$C_{14}H_{22}O_2$

2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo-(2.2.1)hept-2-yl ester, exo-.

Ageflex IBOMA; EINECS 231-403-1; HSDB 6088; Isobornyl methacrylate; Methacrylic acid, isobornyl ester; 2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo-(2.2.1)hept-2-yl ester, exo-; 2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo(2.2.1)hept-2-yl ester, rel-; Sipomer® IBOMA; exo-1,7,7-Trimethylbicyclo-(2.2.1)hept-2-yl methacrylate. Monomers when cured providing hardness, low shrinkage, abrasion resistance, heat and water resistance, good weatherability in automotive coatings, electronics, adhesives, and other acrylic polymers. Liquid; mp = -60°; bp = 245°; d^{20}_{20} = 0.983. *Rhône Poulenc Surfactants; Rit-Chem.*

2074 Isobutane

75-28-5 G H

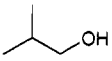
C_4H_{10}

2-Methylpropane.

A 31 (hydrocarbon); Caswell No. 503A; 1,1-Dimethyl-ethane; EINECS 200-857-2; EPA Pesticide Chemical Code 097101; HSDB 608; Isobutane; 2-Methylpropane; Propane, 2-methyl-; R 600a; Trimethylmethane. Hydro-carbon gas; used as a fuel and an Aerosol® propellant. Colorless gas; mp = -138.3°; bp = -11.7°; d^{25} ■ 0.5510; insoluble in H_2O, soluble in organic solvents. *Air Prods & Chems; Phillips 66.*

2075 Isobutanol

78-83-1 5148 G H



$C_4H_{10}O$

2-Methyl-1-propanol.

4-01-00-01588 (Beilstein Handbook Reference); AI3-01777; Alcool isobutylique; BRN 1730878; CCRIS 2300; EINECS 201-148-0; FEMA Number 2179; Fermentation butyl alcohol; HSDB 49; Iso-butyl alcohol; Isobutanol; Isobutyl alcohol; Isobutylalkohol; Isopropylcarbinol; NSC 5708; RCRA waste number U140; UN1212. Used as a solvent and chemical feedstock. Clear liquid; mp = -107.8°; bp ■ 108°; d^{20} = 0.8018; soluble in H = 72O (5 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 2.46 g/kg. *BASF Corp.; Eastman Chem. Co.; Hoechst Celanese; Neste UK; Shell UK; Shell; Usines de Melle.*

2076 Isobutene

115-11-7 5157 H

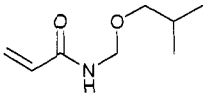
C_4H_8

2-Methylpropene.

CCRIS 2281; 1,1-Dimethylethene; 1,1-Dimethylethylene; EINECS 204-066-3; γ-Butylene; HSDB 613; Isobutene; Isobutylene; Isopropylidenemethylene; Methylpropene; 2-Methyl-1-propene; 2-Methylpropene; 2-Methylpropylene; Propene, 2-methyl-; 1-Propene, 2-methyl-; Propene, 2-methyl-; UN 1055. Gas; mp ■ -140.4°; bp = -6.9°; d^{25} = 0.589; λ_m = 159, 184, 188, 192, 200 nm (ε ■ 7943, 12589, 12589, 7943, 7943, gas); insoluble in H_2O, soluble in C_6H_6, H_2SO_4, petroleum ether, very soluble in EtOH, Et_2O.

2077 N-Isobutoxymethylacrylamide

16669-59-3 G



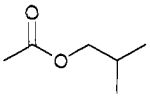
$C_8H_{15}NO_2$

N-((2-Methylpropoxy)methyl)acrylamide.

Acrylamide, N-(isobutoxymethyl)-; EINECS 240-715-7; Isobu-M-AMD; N-((2-Methylpropoxy)methyl)-2-propen-amide; 2-Propenamide, N-((2-methylpropoxy)methyl)-; Synocure 3165. Monomer. Liquid; $bp_{0.3}$ ■ 99-100°. *Am. Cyanamid.*

2078 Isobutyl acetate

110-19-0 5147 G H



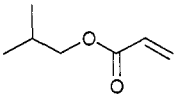
$C_6H_{12}O_2$

2-Methylpropyl acetate.

4-02-00-00149 (Beilstein Handbook Reference); Acetate d'isobutyle; Acetic acid, 2-methylpropyl ester; Acetic acid, isobutyl ester; AI3-15305; BRN 1741909; EINECS 203-745-1; FEMA Number 2175; HSDB 609; Isobutyl acetate; Isobutyl ethanoate; Isobutylester kyseliny octove; 2-Methyl-1-propyl acetate; 2-Methylpropyl acetate; 2-Methylpropyl ethanoate; β-Methylpropyl ethanoate; NSC 8035; UN1213. Solvent for nitrocellulose; in thinners, sealants, topcoat lacquers; perfumery; flavoring agent. Liquid; mp = -98.8°; bp = 116.5°; d^{20} = 0.8712; λ_m ■ 208 nm (ε = 58, MeOH); slightly soluble in H_2O, CCl_4, soluble in Me_2CO, freely soluble in EtOH, Et_2O. *BASF Corp.; Eastman Chem. Co.; Hoechst Celanese; Janssen Chimica; Union Carbide Corp.*

2079 Isobutyl acrylate

106-63-8 H



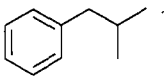
$C_7H_{12}O_2$

Isobutyl 2-propenoate.

4-02-00-01465 (Beilstein Handbook Reference); Acrylic acid, isobutyl ester; AI3-15696; BRN 1749388; CCRIS 4828; EINECS 203-417-8; HSDB 610; Isobutyl 2-propenoate; Isobutyl acrylate; Isobutyl propenoate; Isobutylester kyseliny akrylove; NSC 20949; Propenoic acid, isobutyl ester; UN2527. Liquid; mp = -61°; BP = 132°; d^{20} ■ 0.8896; slightly soluble in H_2O, soluble in EtOH, Et_2O, MeOH.

2080 Isobutylbenzene

538-93-2 5151 H



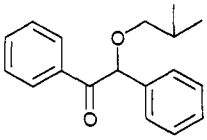
$C_{10}H_{14}$

(2-Methylpropyl)benzene.

4-05-00-01042 (Beilstein Handbook Reference); Benzene, (2-methylpropyl)-; Benzene, isobutyl-; BRN 1852218; EINECS 208-706-2; Isobutylbenzene; (2-Methylpropyl)benzene; 2-Methyl-1-phenylpropane; NSC 24848; 1-Phenyl-2-methylpropane; 2-Phenyl-2-methyl-propane. Liquid; mp = -51.4°; bp = 172.7; d^{20} =0.8532; λ_m = 259, 261, 264, 268 nm (ε = 221, 216, 170, 174, MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether.

2081 O-Isobutylbenzoin

22499-12-3 G



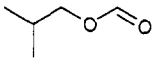
$C_{18}H_{20}O_2$

2-Isobutoxy-2-phenylacetophenone.

EINECS 245-039-6; Ethanone, 2-(2-methylpropoxy)-1,2-diphenyl-; Vicure®. Photosensitizer for UV curable systems, e.g., coatings, inks, graphic arts. $bp_{0.5}$ = 133°; d = 0.9850. Akzo.

2082 Isobutyl formate

542-55-2 5159 G



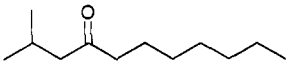
$C_5H_{10}O_2$

2-Methyl-1-propyl formate.

4-02-00-00029 (Beilstein Handbook Reference); AI3-24240; BRN 1738888; EINECS 208-818-1; FEMA No. 2197; Formic acid, 2-methylpropyl ester; Formic acid, isobutyl ester; Iso-butyl formate; Isobutyl formate; Isobutyl methanote; Isobutylester kyseliny mravenci; 2-Methylpropyl formate; 2-Methyl-1-propyl formate; NSC 6968; Tetryl formate; UN2393. Industrial solvent. Liquid; mp = -95.8°; bp = 98.2°; d^{20} = 0.8776; slightly soluble in H_2O (1 g/100 ml), $CHCl_3$, very soluble in Me_2CO, freely soluble in EtOH, Et_2O.

2083 Isobutyl heptyl ketone

123-18-2 H



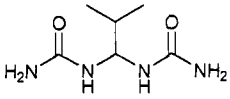
$C_{12}H_{24}O$

2,6,8-Trimethylnonan-4-one.

4-01-00-03385 (Beilstein Handbook Reference); EINECS 204-607-3; Isobutyl heptyl ketone; 4-Nonanone, 2,6,8-trimethyl-; NSC 66186; 2,6,8-Trimethyl-4-nonanone; 2,6,8-Trimethylnonan-4-one.

2084 Isobutylidene diurea

6104-30-9 H



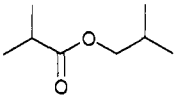
$C_6H_{14}N_4O_2$

N,N''-(2-Methylpropylidene)bisurea.

BRN 1908981; Diureidoisobutane; 1,1-Diureidisobutane; EINECS 228-055-8; IBDU; 1,1'-Isobutylidenebisurea; Isobutyldiurea; Isobutylenediurea; Isobutylidene diurea; N,N''-(Isobutylidene)diurea; Isodur; N,N''-(2-Methyl-propylidene)bisurea; Urea, 1,1'-isobutylidenedi-; Urea, N,N''-(2-methylpropylidene)bis-.

2085 Isobutyl isobutyrate

97-85-8 5161 H



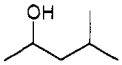
$C_8H_{16}O_2$

Propanoic acid, 2-methyl-, 2-methylpropyl ester.

4-02-00-00847 (Beilstein Handbook Reference); AI3-06122; BRN 1701355; EINECS 202-612-5; FEMA Number 2189; HSDB 5311; Isobutyl 2-methyl-propanoate; Isobutyl isobutanoate; Isobutyl isobutyrate; Isobutylester kyseliny isomaselne; Isobutyric acid, isobutyl ester; NSC 6538; Propanoic acid, 2-methyl-, 2-methylpropyl ester; UN2528. Liquid; mp = -80.7°; bp = 148.6°; d^{20} = 0.8542; poorly soluble in H_2O, CCl_4, soluble in EtOH, Me_2CO, freely soluble in Et_2O.

2086 Isobutylmethylcarbinol

108-11-2 G H



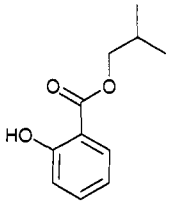
$C_6H_{14}O$

4-Methylpentan-2-ol.

4-01-00-01717 (Beilstein Handbook Reference); 4-Methylpentan-2-ol; 4-Metilpentan-2-olo; Alcohol methyl amylique; Alcool methyl amylique; BRN 1098268; CCRIS 2304; EINECS 203-551-7; HSDB 1154; Isobutyl-methylcarbinol; Isobutylmethylmethanol; M.I.B.C.; MAOH; Methyl amyl alcohol; Methyl isobutyl carbinol; dl-Methylisobutylcarbinol; Methyl-isobutyl-karbinol; Metilamil alcohol; MIBC; MIC; 3-MIC; NSC 9384; UN 2053. Solvent for dyestuffs, oils, gums, resins, waxes, nitrocellulose, ethylcellulose; organic synthesis; froth flotation; brake fluids. Liquid; mp = -90°; bp = 131.6°; d^{20} = 0.8075; slightly soluble in H_2O, CCl_4, Soluble in EtOH, Et_2O; LD_{50} (rat orl) = 2590 mg/kg. *Allchem Ind.; Ashland; Shell; Union Carbide Corp.*

2087 Isobutyl salicylate

87-19-4 G



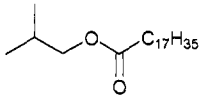
$C_{11}H_{14}O_3$

2-Methylpropyl 2-hydroxybenzoate.

3-10-00-00121 (Beilstein Handbook Reference); AI3-24370; Benzoic acid, 2-hydroxy-, 2-methylpropyl ester; BRN 2615955; EINECS 201-729-9; FEMA No. 2213; 2-Isobutoxycarbonylphenol; Isobutyl o-hydroxybenzoate; Isobutyl salicylate; 2-Methyl-1-propyl salicylate; 2-Methylpropyl o-hydroxybenzoate; NSC 62140; Salicylic acid, isobutyl ester. Used in perfumery. Liquid; mp ◘ 5.9°; bp = 261°; d^{20} = 1.0639; λ_m = 238 nm (cyclohexane); insoluble in H_2O, soluble in EtOH, Et_2O, CCl_4.

2088 Isobutyl stearate

646-13-9 5167 G H



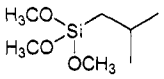
$C_{22}H_{44}O_2$

Octadecanoic acid, 2-methylpropyl ester.

3-02-00-01017 (Beilstein Handbook Reference); BRN 1792857; EINECS 211-466-1; Emerest® 2324; HSDB 2177; Isobutyl stearate; Kemester® 5415; Kessco® IBS; 2-Methylpropyl octadecanoate; Octadecanoic acid, 2-methylpropyl ester; Stearic acid, 2-methylpropyl ester; Stearic acid, isobutyl ester; Uniflex® IBYS. Emollient, lubricant for textiles, metalworking compounds, slip aid, wetting agent for pigmented lipsticks, bath oils, nail polish and removers, skin cleaners, creams, lotions. Waxy solid; mp = 28.9°; bp_{15} = 223°; d^{20} = 0.8498; very soluble in Et_2O. *CK Witco (Europe) S.A.; CK Witco Chem. Corp.; Henkel/Emery; Henkel; Stepan; Union Camp.*

2089 Isobutyltrimethoxysilane

18395-30-7 G



$C_7H_{18}O_3Si$

Trimethoxy(2-methylpropyl)silane.

CI7810; Dynasylan® IBTMO; EINECS 242-272-5; Prosil® 178; Silane, trimethoxy(2-methylpropyl)-; Trimethoxy(2-methylpropyl)silane. Coupling agent for hydrophobic treatment, chemical intermediate, blocking agent, release agent, lubricant, primer, and reducing agent. *Degussa-Hüls Corp.; PCR.*

2090 Isobutyraldehyde

78-84-2 5171 H

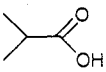
C_4H_8O

2-Methylpropionaldehyde.

AI3-15311; CCRIS 1101; EINECS 201-149-6; FEMA No. 2220; HSDB 614; Isobutaldehyde; Isobutanal; Isobutylaldehyde; Isobutyral; Isobutyraldehyd; Isobutyraldehyde; Isobutyric aldehyde; Isobutyryl aldehyde; Isopropyl aldehyde; Isopropyl formaldehyde; Isopropylformaldehyde; Methylpropanal; NCI-C60968; NSC 6739; Propanal, 2-methyl-; Propionaldehyde, 2-methyl-; UN2045; Valine aldehyde. Used in chemical synthesis. Liquid; mp ◘ -65.9°; bp ◘ 64.5°; d^{20} = 0.7891; moderately soluble in H_2O, organic solvents; LD_{50} (rat orl) = 3700 mg/kg. *Eastman Chem. Co.; Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2091 Isobutyric acid

79-31-2 5172 G H



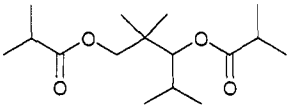
$C_4H_8O_2$

2-Methylpropionic acid.

4-02-00-00843 (Beilstein Handbook Reference); Acetic acid, dimethyl-; AI3-24260; BRN 0635770; Caswell No. 503AA; Cenex RP b2; Dimethylacetic acid; EINECS 201-195-7; EPA Pesticide Chemical Code 101502; FEMA No. 2222; HSDB 5228; Iso-butyric acid; Isobutanoic acid; Isobutyric acid; Isopropylformic acid; Kyselina isomaselna; Methylpropanoic acid, 2-; NSC 62780; Propanoic acid, 2-methyl-; Propionic acid, 2-methyl-; Tenox IBP-2; Tenox IBP-2 Grain Pr.; UN2529. Used in manufacture of esters for solvents, flavors, perfume bases, disinfecting agent, varnish, deliming hides, tanning agent. Liquid; mp = -46°; bp = 154.4°; d^{20} = 0.9681; soluble in H_2O, EtOH, less soluble in Et_2O, CCl_4. *Degussa-Hüls Corp.; Eastman Chem. Co.; Hoechst Celanese.*

2092 Isobutyric acid, 1-isopropyl-2,2-dimethyltrimethylene ester

6846-50-0 G H



$C_{16}H_{30}O_4$

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate.

BRN 1878083; EINECS 229-934-9; 1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate; Kodaflex® TXIB; 1,3-Pentanediol, 2,2,4-trimethyl-, diisobutyrate (ester); Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methyl-ethyl)-1,3-propanediyl ester; TXIB. Primary plasticizer used in surface coatings, vinyl floorings, molding, and vinyl products; compatible with film-forming vehicles used in lacquers for wood, paper, and metals; primary plasticizer for PVC plastisols for rotocasting and slush molding; used in PNC organosols processed by extrusion and injection molding. Liquid; mp = -70°; bp = 280°; d ◘ 0.941. *Eastman Chem. Co.*

2093 Isobutyronitrile

78-82-0 5173 H

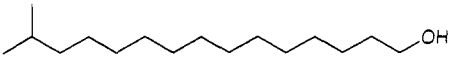
C_4H_7N

2-Methylpropanenitrile.

4-02-00-00853 (Beilstein Handbook Reference); AI3-28525; BRN 1340512; Dimethylacetonitrile; EINECS 201-147-5; HSDB 5221; Isobutyronitrile; Isopropyl cyanide; Isopropyl nitrile; Isopropylkyanid; Isopropylnitrile; NSC 60536; Propanenitrile, 2-methyl-; Propanoic acid, 2-methyl-, nitrile; UN2284. Used as a solvent. Liquid; mp = -71.5°; bp = 103.9°; d^{20} = 0.7704; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat orl) = 200 mg/kg, (mmus orl) = 25 mg/kg, (mus ip) = 25 mg/kg. Lancaster Synthesis Co.; *Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2094 Isocetyl alcohol

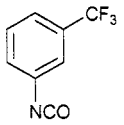
36311-34-9 G



$C_{16}H_{34}O$
Isohexadecyl alcohol.
EINECS 252-964-9; Isocetyl alcohol; Isohexadecanol; Isohexadecyl alcohol. Used in organic synthesis. *M. Michel.*

2095 Isocyanobenzotrifluoride

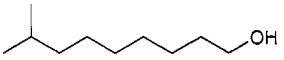
329-01-1 H



$C_8H_4F_3NO$
Isocyanic acid, (m-trifluoromethylphenyl) ester.
4-12-00-01848 (Beilstein Handbook Reference); Benzene, 1-isocyanato-3-(trifluoromethyl)-; BRN 0744880; EINECS 206-341-3; 1-Isocyanato-3-(trifluoro-methyl)benzene; Isocyanic acid, (m-trifluoromethyl-phenyl) ester; Isocyanic acid, α,α,α-trifluoro-m-tolyl ester; Isocyanobenzotrifluoride; (α,α,α-Trifluoro-m-tolyl) isocyanate; α,α,α-Trifluoro-3-tolyl isocyanate.

2096 Isodecanol

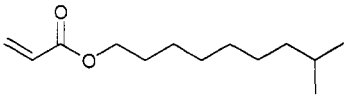
25339-17-7 H



$C_{10}H_{22}O$
Isodecyl alcohol.
EINECS 246-869-1; HSDB 616; Isodecanol; Isodecyl alcohol.

2097 Isodecyl acrylate

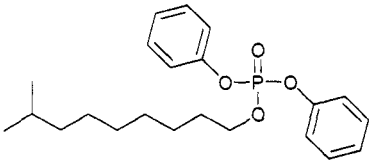
1330-61-6 G H



$C_{13}H_{24}O_2$
Isodecyl prop-2-enoate.
Acrylic acid, isodecyl ester; Ageflex FA-10; EINECS 215-542-5; HSDB 615; Isodecyl acrylate; Isodecyl alcohol, acrylate; Isodecyl propenoate; 2-Propenoic acid, isodecyl ester; Sipomer® IDA. Used in adhesives, coatings, UV-curable reactive diluent in inks and coatings, viscosity index improver. Liquid; mp ◘ -100°; bp = 304°, bp_3 ◘ 161-163°; d_{20}^{20} = 0.864. *Rhône Poulenc Surfactants; Rit-Chem.*

2098 Isodecyl diphenyl phosphate

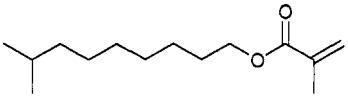
29761-21-5 G H



$C_{22}H_{31}O_4P$
Phosphoric acid, isodecyl diphenyl ester.
CCRIS 4830; Diphenyl isodecyl phosphate; EINECS 249-828-6; HSDB 6797; Isodecyl diphenyl phosphate; Phosflex 390; Phosphoric acid, isodecyl diphenyl ester; Santicizer 148; Syn-O-Ad® 8479. Antiwear and extreme pressure agents in non-crankcase lubricants; ferrous metal passivator; fluid base stock where inhibition of flame propagation is desired. Liquid; mp ◘ -35°; insoluble in H_2O, soluble in organic solvents. *Akzo Chemie.*

2099 Isodecyl methacrylate

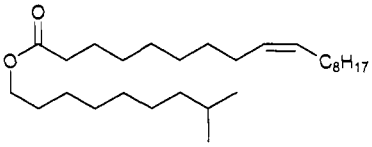
29964-84-9 G H



$C_{14}H_{26}O_2$
2-Propenoic acid, 2-methyl-, isodecyl ester.
Ageflex FM-10; CCRIS 4660; EINECS 249-978-2; HSDB 5065; Isodecyl 2-methyl-2-propenoate; Isodecyl 2-methylpropenoate; Isodecyl methacrylate; Methacrylic acid, isodecyl ester; 2-Methyl-2-propenoic acid, isodecyl ester; 2-Propenoic acid, 2-methyl-, isodecyl ester. Pressure-sensitive adhesives, coatings for leather, textiles, paper, nonwovens, polymer modifier/stabilizer, viscosity index improver, dispersion for plastic and rubber, floor waxes, potting compounds, sealants, adhesives. Liquid; d_{20}^{20} = 0.878; bp = 126°; flash pt. 121 °; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat ip) = 2467 mg/kg. *Rohm & Haas Co.*

2100 Isodecyl oleate

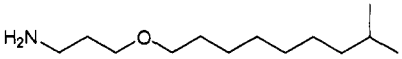
59231-34-4 G



$C_{28}H_{54}O_2$
9-Octadecenoic acid (Z)-, isodecyl ester.
Ceraphyl 140-A; EINECS 261-673-6; Isodecyl oleate; 9-Octadecenoic acid, isodecyl ester; 9-Octadecenoic acid (Z)-, isodecyl ester; 9-Octadecenoic acid (9Z)-, isodecyl ester; Wickenol® 144. Emollient, wetting agent and pigment binder for cosmetics. *CasChem.*

2101 Isodecyloxypropylamine

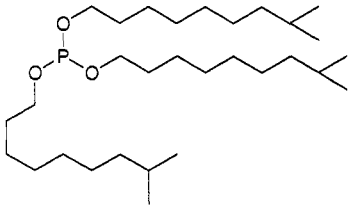
30113-45-2 H



$C_{13}H_{29}NO$
1-Propanamine, 3-(isodecyloxy)-.
EINECS 250-056-7; Isodecyloxypropylamine; 3-(isodecyloxy)propylamine; 1-Propanamine, 3-(isodecyloxy)-; Prop-ylamine, 3-isodecoxy-. *Rit-Chem.*

2102 Isodecyl phosphite

25448-25-3 H



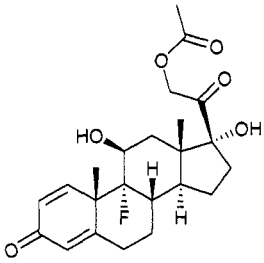
$C_{30}H_{63}O_3P$

Phosphorous acid, tris(isodecyl) ester.

EINECS 246-998-3; Isodecyl phosphite; Phosclere T 310; Phosphorous acid, triisodecyl ester; Phosphorous acid, tris(isodecyl) ester; Triisodecyl phosphite.

2103 Isoflupredone Acetate

338-98-7 5192 D G V



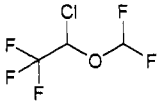
$C_{23}H_{29}FO_6$

(11β)-9-Fluoro-11,17,21-trihydroxypregna-1,4-diene-3,20-dione 21-acetate.

Biorinil; EINECS 206-423-9; Isoflupredone acetate; NSC 12600; Predef; U 6013. Anti-inflammatory used in veterinary medicine. Crystals; mp = 244-246° (dec); $[\alpha]_D^{23}$ = +108° (c = 0.735 dioxane); λ_m = 240 nm (ε 16250 EtOH). *CIBA plc; Schering-Plough HealthCare Products; Upjohn Ltd.*

2104 Isoflurane

26675-46-7 5193 D G



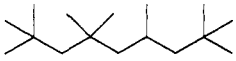
$C_3H_2ClF_5O$

1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether.

Aerrane; BRN 1852087; CCRIS 3043; Compound 469; EINECS 247-897-7; Forane; Forene; Isoflurane; Isoflurano; Isofluranum; R-E 235dal. An inhalation anesthetic; solvent and dispersant for fluorinated materials. Gas; bp = 48.5°; sg = 1.45; non-flammable; soluble in most organic solvents. *Anaquest; Elf Atochem N. Am.*

2105 Isohexadecane

4390-04-9 G



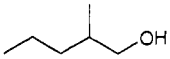
$C_{16}H_{34}$

2,2,4,4,6,8,8-Heptamethylnonane.

EINECS 224-506-8; 2,2,4,4,6,8,8-Heptamethylnonane; HMN; Nonane, 2,2,4,4,6,8,8-heptamethyl-; NSC 77129; Permethyl 101A. A cosolubilizer for nonhydrocarbon materials; in eyeliners, mascaras, sun care and skin products; cleanser for eye and face makeup. Liquid; bp = 240°; d = 0.7930. *Presperse.*

2106 Isohexyl alcohol

105-30-6 H



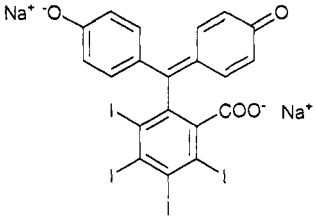
$C_6H_{14}O$

2-Methylpentan-1-ol.

3-01-00-01665 (Beilstein Handbook Reference); AI3-21997; sec-Amyl carbinol; BRN 1718974; EINECS 203-285-1; HSDB 2890; Isohexyl alcohol; 2-Methyl-1-pentanol; 2-Methylpentan-1-ol; 2-Methylpentanol-1; (±)-2-Methylpentanol; (±)-2-Methyl-1-pentanol; 2-MPOH; NSC 6250; 1-Pentanol, 2-methyl-. Liquid; bp = 149°; d^{20} = 0.8263; soluble in EtOH, Et_2O, Me_2CO, CCl_4.

2107 Iso-Iodeikon

18265-54-8 7347 G



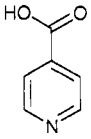
$C_{20}H_8I_4Na_2O_4$

4,5,6,7-Tetraiodophenolphthalein sodium.

Phentetiothalien sodium; Phenoltetraiodotnalein sodium. Used in cholecystography. Bronze-purple granules, soluble in H_2O, EtOH.

2108 Isonicotinic acid

55-22-1 5206 G



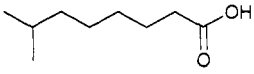
$C_6H_5NO_2$

Pyridine-4-carboxylic acid.

Acide iso-nicotinique; AI3-19239; 4-Carboxypyridine; 1,4-Dihydroisonicotinic acid; EINECS 200-228-2; γ-Picolinic acid; γ-Pyridinecarboxylic acid; INA; isonicotinic acid; NSC 1483; 4-Picolinic acid; 4-Pyridinecarboxylic acid; p-Pyridinecarboxylic acid. Chemical intermediate in the manufacture of its hydrazide, isoniazid, an antituberculosis drug. Colorless crystals; mp = 319°; soluble in H_2O (0.52 g/100 ml), less soluble in organic solvents. *Raschig GmbH; Reilly Ind.*

2109 Isononylic acid

26896-18-4 H



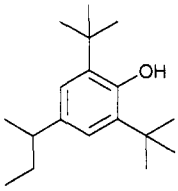
$C_9H_{18}O_2$

Isononanoic acid.

EINECS 248-092-3; Isononanoic acid; Isononylic acid.

2110 Isonox® 132

17540-75-9 G



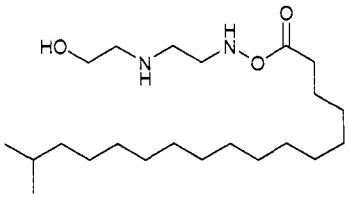
$C_{18}H_{30}O$

2,6-Di-*tert-butyl-4-sec*-butylphenol.

4-sec-Butyl-2,6-di-t-butylphenol; 2,6-Di-t-butyl-4-sec-butylphenol; EINECS 241-533-0; Isonox® 132; NSC 14460; Phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methyl-propyl)-; Phenol, 4-sec-butyl-2,6-di-t-butyl-; Vanox® 1320. Antioxidant used in polyols, rubber systems and PU foam; oxidation inhibitor and scorch preventer for manufacture and storage of bun stock; stabilizer for PU foam. Crystals; mp = 25°; bp_{10} = 141-142°; d = 0.902; $[\alpha]^{25}$ = 0° (c = 1, $CHCl_3$). *Schenectady; Vanderbilt R.T. Co. Inc.*

2111 Isooctadecanoic acid, monoamide with 2-[(2-aminoethyl)amino]ethanol

68443-85-6 H



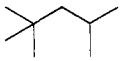
$C_{22}H_{46}N_2O_2$

Isooctadecanoic acid, monoamide with 2-((2-aminoethyl)amino)ethanol.

EINECS 270-561-6; Isooctadecanoic acid, monoamide with 2-((2-aminoethyl)amino)ethanol.

2112 Isooctane

540-84-1 5212 H



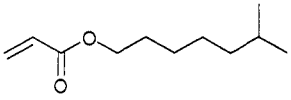
C_8H_{18}

2,2,4-Trimethylpentane.

4-01-00-00439 (Beilstein Handbook Reference); AI3-23976; BRN 1696876; EINECS 208-759-1; HSDB 5682; Isobutyltrimethylmethane; Isooctane; NSC 39117; Pentane, 2,2,4-trimethyl-; 2,2,4-Trimethylpentane. Liquid; mp = -107.3; bp = 99.2°; d^{25} = 0.6877; insoluble in H_2O, soluble in Et_2O, CCl_4, $CHCl_3$; freely soluble in EtOH, Me_2CO, C_6H_6, $CHCl_3$, C_7H_{16}.

2113 Isooctyl acrylate

29590-42-9 G H



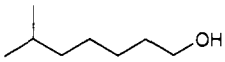
$C_{11}H_{20}O_2$

2-Propenoic acid, isooctyl ester.

Acrylic acid, isooctyl ester; Ageflex FA-8; AI3-28217; CCRIS 4352; EINECS 249-707-8; Isooctyl acrylate; Isooctyl acrylate monomer; 2-Propenoic acid, isooctyl ester; SR-440. Curing agent. Used in pressure-sensitive adhesives, coatings, caulks and sealants. Liquid; d_{20}^{20} = 0.880; flash point = 79°. *Rit-Chem; Sartomer.*

2114 Isooctyl alcohol

26952-21-6 5213 G



$C_8H_{18}O$

Isooctanol.

EINECS 248-133-5; Exxal 8; HSDB 6486; Isooctanol; Isooctan-1-ol; Isooctyl alcohol. Mixture of isomers, mostly with a methyl branch at C_3, C_4 or C_5. Intermediate in manufacture of plasticizers; intermediate for nonionic detergents and surfactants, hydraulic fluids; resin, solvent, emulsifier, antifoaming agent.

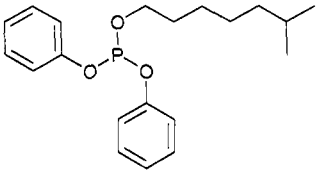
2115 Isooctyl diphenyl phosphite

26401-27-4 G H

$C_{20}H_{27}O_3P$

Phosphorous acid, isooctyl diphenyl ester.

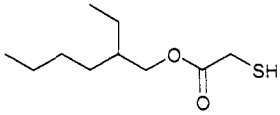
Doverphos® DPIOP; DPIOP; EINECS 247-658-7; Isooctyl diphenyl phosphite; Phosphorous acid, isooctyl diphenyl ester; Weston® ODPP. Color stabilizer for ABC, PC; stabilizer for PVC; antioxidant



Liquid; bp = 190°; d = 1.040-1.047. *Dover; Sigma-Aldrich Fine Chem.*

2116 Isooctyl mercaptoacetate

25103-09-7 G H



$C_{10}H_{20}O_2S$

Mercaptoacetic acid, isooctyl ester.

Acetic acid, mercapto- isooctyl ester; AI3-26088; EINECS 246-613-9; HSDB 2704; Isooctyl mercaptoacetate; Isooctyl thioglycolate; Mercaptoacetic acid, isooctyl ester; NSC 9590. Antioxidants, fungicides, oil additives, plasticizers, insecticides, stabilizers, polymerization modifiers, stabilizer for tin-sulfur compounds, stripping agent for polysulfide rubber. *Bock, Bruno Chemische Fabrik KG.*

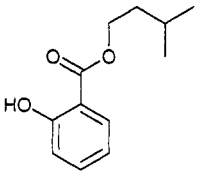
2117 Isopentane

78-78-4 G H

C_5H_{12}
2-Methylbutane.
AI3-28787; Butane, 2-methyl-; Dimethylethylmethane; EINECS 201-142-8; Ethyldimethylmethane; Exxsol® Isopentane; HSDB 618; Isoamylhydride; Isopentane; NSC 119476; Pentane, all isomers. Used as a non-aromatic solvent. Volatile liquid; mp = -159.9°; bp = 27.8°; d^{20} = 0.6201; insoluble in H_2O, soluble in organic solvents. *ExxonMobil Chem. Co.; Phillips 66.*

2118 Isopentyl salicylate

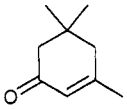
87-20-7 5141 G



$C_{12}H_{16}O_3$
3-Methylbutyl 2-hydroxybenzoate.
4-10-00-00153 (Beilstein Handbook Reference); AI3-00378; Benzoic acid, 2-hydroxy-, 3-methylbutyl ester; BRN 2580465; EINECS 201-730-4; FEMA No. 2084; 2-Hydroxybenzoic acid, 3-methylbutyl ester; Isoamyl o-hydroxybenzoate; Isoamyl salicylate; Isoamylester kyseliny salicylove; Isopentyl-2-hydroxyphenyl methanoate; Isopentyl o-hydroxybenzoate; Isopentyl salicylate; 3-Methylbutyl o-hydroxybenzoate; 3-Methylbutyl salicylate; NSC 7952; Salicylic acid, isopentyl ester. Used in perfumery. Liquid; bp ▪ 278°, bp_{15} = 151°; d^{20} = 1.0535; λ_m ▪ 238, 306 nm (ε = 8420, 3870, MeOH); insoluble in H_2O, soluble in organic solvents.

2119 Isophorone

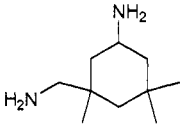
78-59-1 5215 G H



$C_9H_{14}O$
3,5,5-Trimethyl-2-cyclohexen-1-one.
4-07-00-00165 (Beilstein Handbook Reference); AI3-00046; BRN 1280721; Caswell No. 506; CCRIS 1353; EINECS 201-126-0; EPA Pesticide Chemical Code 047401; FEMA No. 3553; HSDB 619; Isoacetophorone; Isoforon; Isoforone; Isooctopherone; Isophorone; Izoforon; NCI-C55618; NSC 403657. Used in solvent mixtures for printing inks and finishes, for polyvinyl and nitrocellulose resins, pesticides, stoving lacquers. Liquid; mp = -8.1°; bp = 215.2°; d^{20} = 0.9255; λ_m = 225, 337 nm (ε 14125, 32 isooctane); soluble in H_2O (1.2 g/100 ml), organic solvents; LD_{50} (rat orl)= 2700 mg/kg. *Albright & Wilson Americas Inc.; BP Chem.; FMC Corp.; Union Carbide Corp.*

2120 Isophorone diamine

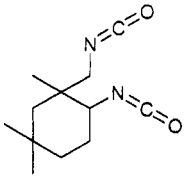
2855-13-2 G H



$C_{10}H_{22}N_2$
5-Amino-1,3,3-trimethylcyclohexanemethylamine.
CCRIS 6680; Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-; EINECS 220-666-8; HSDB 4058; Isophorone diamine; UN2289; Vestamin® TMD. Epoxy curative for flexible coatings, adhesives, castings and composites. *Degussa-Hüls Corp.*

2121 Isophorone diisocyanate

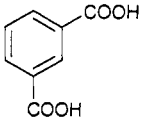
4098-71-9 G H



$C_{12}H_{18}N_2O_2$
3-Isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate.
BRN 2726467; CCRIS 6252; Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-; EINECS 223-861-6; HSDB 6337; IPDI; Isophorone diamine diisocyanate; Isophorone diisocyanate; UN2290; Vestanat® IPDI. Raw material for mfg. of light stable polyurethanes. *Degussa-Hüls Corp.*

2122 Isophthalic acid

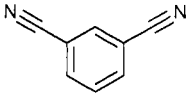
121-91-5 5216 H



$C_8H_6O_4$
Benzene-1,3-dicarboxylic acid.
4-09-00-03292 (Beilstein Handbook Reference); Acide isophtalique; AI3-16107; Benzene-1,3-dicarboxylic acid; BRN 1909332; EINECS 204-506-4; HSDB 2090; IPA; Isophthalate; Isophthalic acid; Kyselina isoftalova; m-Phthalic acid; NSC 15310. Needles; mp = 347°; bp sublimes; λ_m = 279 nm (MeOH); insoluble in Et_2O, C_6H_6, ligroin, slightly soluble in H_2O, soluble in EtOH, AcOH.

2123 Isophthalodinitrile

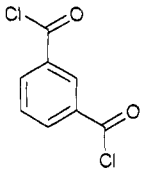
626-17-5 H



$C_8H_4N_2$
3-Cyanobenzonitrile.
AI3-25034; 1,3-Benzendikarbonitril; 1,3-Benzene-dicarbonitrile; 1,3-Benzodinitrile; m-Benzenedinitrile; CCRIS 4132; 3-Cyanobenzonitrile; 1,3-Dicyanobenzene; m-Dicyanobenzene; Dinitrile of isophthalic acid; EINECS 210-933-7; HSDB 5724; IPN; Isoftalodinitril; Isoftalonitril; Isophthalodinitrile; Isophthalonitrile; Nitril kyseliny isoftalove; NSC 87880; m-Phthalodinitrile; m-Phthalodinitrile. Needles; mp = 162°; bp sublimes; d^{40} = 0.992; λ_m ▪ 221, 227, 231, 279, 287 nm (ε = 11500, 12000, 11100, 532, 570, MeOH); insoluble in petroleum ether, slightly soluble in H_2O, soluble in Et_2O, C_6H_6, $CHCl_3$, very soluble in EtOH.

2124 Isophthaloyl dichloride

99-63-8 H



$C_8H_4Cl_2O_2$

1,3-Benzenedicarbonyl dichloride.

4-09-00-03295 (Beilstein Handbook Reference); m-Benzenedicarbonyl chloride; BRN 0638342; Dichlorid kyseliny isoftalove; EINECS 202-774-7; HSDB 5326; Isophthalic acid chloride; Isophthalic acid dichloride; Isophthalic chloride; Isophthaloyl chloride; Isophthaloyl dichloride; Isophthalyl chloride; m-Phthalic dichloride; m-Phthaloyl chloride; m-Phthalyl dichloride; meta-Phthalyl dichloride; NSC 41884. Solid; mp = 43.5°; bp = 276°; d^{17} = 1.3880; slightly soluble in H_2O, EtOH, soluble in Et_2O.

2125 Isoprene

78-79-5 5220 H

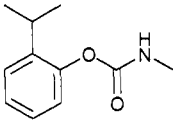
C_5H_8

2-Methyl-1,3-butadiene.

CCRIS 6253; EINECS 201-143-3; HSDB 620; Isopentadiene; Isoprene; β-Methylbivinyl; 2-Methyl-divinyl; 3-Methyl-1,3-butadiene; NSC 9237; UN1218. Used in rubbers, sealants, latex paints and as a solvent. Volatile liquid; mp = -145.9°; bp = 34°; d^{20} = 0.679; insoluble in H_2O, soluble in organic solvents. *Equistar Chemical Products; Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2126 Isoprocarb

2631-40-5 G P



$C_{11}H_{15}NO_2$

2-(1-Methylethyl)phenyl methylcarbamate.

4-06-00-03212 (Beilstein Handbook Reference); AI3-25670; BAY 105807; BAY 39731; Bayer 39731; BRN 1875020; Carbamic acid, methyl-, o-cumenyl ester; Carbamic acid, methyl-, 2-(1-methylethyl)phenyl ester; Carbamic acid, methyl-, o-isopropylphenyl ester; Caswell No. 512B; o-Cumenyl methylcarbamate; o-Cumenyl N-methylcarbamate; EINECS 220-114-6; ENT 25670; EPA Pesticide Chemical Code 512300; Etrofolan; Hytox; Isoprocarb; Isoprocarbe; 2-Isopropylphenyl methylcarba-mate; 2-Isopropylphenyl N-methylcarbamate; Isopropyl-phenol methyl-carbamate; o-Isopropylphenyl methyl-carbamate; o-Isopropyiphenyl N-methylcarbamate; KHE 0145; 2-(1-Methylethyl)phenyl methylcarbamate; MIPC; Mipcin; Mipcine; Mipsin; NSC 191479; OMS-32; Phenol, 2-(1-methylethyl)-, methylcarbamate; Phenol, o-iso-propyl-, methylcarbamate; PPC 3; Ro 7-5050. Fast-acting insecticide with contact and stomach action. Effective against leafhoppers, aphids, codling moths, capsids and bugs in rice, cocoa, vegetables, cereals, hops, coffee, potatoes, sugarcane, deciduous fruits and other crops. Colorless crystals; mp = 88 - 93°; insoluble in H_2O, soluble in organic solvents, Me_2CO, MeOH; LD_{50} (mrat orl) = 485 mg/kg, (mus orl) = 487 - 512 mg/kg, (rbt orl) ≅500 mg/kg, (mrat der) > 500 mg/kg; LC_{50} (carp 48 hr.) = 4.2 mg/l; toxic to bees. *Bayer Corp.; Jin Hung; Mitsubishi Chem. Corp.; Planters Products; Shinung; Sundat; Sunko; Taiwan Tainan Giant.*

2127 Isopropanol

67-63-0 5228 P

C_3H_8O

Isopropyl alcohol.

4-01-00-01461 (Beilstein Handbook Reference); AI3-01636; Alcojet; Alcolo; Alcool isopropilico; Alcool isopropylique; Alcosolve; Alcosolve 2; Alkolave; Arquad DMCB; Avantin; Avantine; BRN 0635639; Caswell No. 507; CCRIS 2308; Chromar; Combi-schutz; Dimethylcarbinol; EINECS 200-661-7; EPA Pesticide Chemical Code 047601; FEMA Number 2929; Hartosol; Hibistat; HSDB 116; Imsol A; IPA; Iso-propyl alcohol; Iso-propylalkohol; Isohol; Isopropanol; Isopropyl alcohol; Isopropyl alcohol, rubbing; Lavacol; Lutosol; NSC 135801; Petrohol; Propan-2-ol; i-Propanol; sec-propanol; n-Propan-2-ol; i-Propyl alcohol; i-Propylalkohol; sec-Propyl alcohol; Propol; Rubbing Alcohol; Spectrar; Sterisol hand disinfectant; Surfactants; Takineocol; UN1219; Visco 1152. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide. Used as a hard surface treatment disinfectant, sanitizer, sterilant, virucide, fungicide, and mildewcide. Also is used in combination with other pesticide active ingredients to kill fleas, ticks, and other household insects. Used in antifreeze, as a solvent and as an antiseptic. Colorless liquid; mp = -88°; bp ■ 82°; d = 0.7850; soluble in H_2O, all organic solvents; viscosity - 2.43 mPa at 20°. LD_{50} (rat orl) = 5050 mg/kg, (rat iv) = 1090 mg/kg, (rat ip) = 2740 mg/kg, (rbt skn) = 12800 mg/kg, (rbt iv) = 1180 mg/kg, (rbt ip) = 670 mg/kg, (mus iv) = 1510 mg/kg, (mus ip) = 4480 mg/kg, (mus orl) = 3600 mg/kg, (hmtr ip) = 3440 mg/kg, (gpg ip) = 2560 mg/kg, (dog orl) = 4800 mg/kg. *Apollo Industries; Burnishine Products; Champion Technologies Inc; Chardon Laboratories, Inc; Chase Products Co.; Chemisco; Garratt-Callahan Co; Midco Products; Noble Pine Products; Palmero Health Care; PDI Res. Labs; Quest Chemical Corp.; Stepan.*

2128 Isopropanolamine

78-91-1 467 G

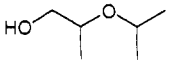
C_3H_9NO

2-amino-1-propanol.

2-Amino-2-methylethanol; 2-Aminopropanol; 2-Amino-1-propanol; 2-Aminopropan-1-ol; EINECS 201-156-4; EINECS 228-207-3; 1-Hydroxy-2-aminopropane; 1-Methyl-2-hydroxyethylamine; NSC 1360; β-Propanol-amine; 1-Propanol, 2-amino-; MIPA; Aliphatic amine. Solubilizer, neutralizer, emulsifying agent; plasticizers, insecticides. Liquid; bp ■ 173-176°; soluble in H_2O, organic solvents. *Ashland; BASF Corp.; Mitsui Toatsu.*

2129 Isopropoxypropanol

3944-37-4 G



$C_6H_{14}O_2$

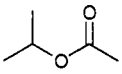
1-Isopropoxy-2-propanol.

EINECS 223-534-8; 2-Isopropoxypropanol; Solvenon® IPP. Solvent for resins and dyes, surface coatings, cleaning agent for printing

plates. *BASF Corp.*

2130 Isopropyl acetate

108-21-4 5225 H



$C_5H_{10}O_2$

1-Methylethyl acetate.

4-02-00-00141 (Beilstein Handbook Reference); Acetate d'isopropyle; Acetic acid, 1-methylethyl ester; Acetic acid, isopropyl ester; BRN 1740761; CCRIS 6053; EINECS 203-561-1; FEMA No. 2926; HSDB 159; Isopropile (acetato di); Isopropyl (acetate d'); Isopropyl acetate; Isopropyl ethanoate; Isopropylacetaat; Isopropylacetat; Isopropyle (acetate d'); Isopropylester kyseliny octove; NSC 9295; Paracetat; UN1220. Liquid; mp = -73.4°; bp = 88.6°; d^{20} = 0.8718; λ_m = 209 nm (ε ■ 59, MeOH); soluble in H_2O, EtOH, Me_2CO, $CHCl_3$, freely soluble in Et_2O.

2131 Isopropylamine

75-31-0 5229 H

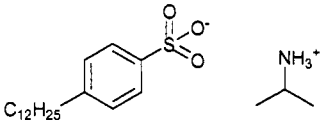
C_3H_9N

2-Propanamine.

AI3-15636; 2-Amino-propaan; 2-Amino-propano; 2-Aminopropan; 2-Aminopropane; CCRIS 4318; EINECS 200-860-9; HSDB 804; Isopropilamina; Isopropylamine; 1-Methylethylamine; Monoisopropylamine; NSC 62775; Propanal, 2-amino-; 2-Propanamine; Propane, 2-amino-; 2-Propaneamine; 2-Propylamine; sec-Propylamine; UN1221. Used as a solvent in manufacture of intermediates for pesticides, medicines and dyes, a raw material for making rubber accelerants, as a cleaning agent, emulsifing agent, surfactant, detergent and water treatment chemical. Liquid; mp = -95.1°; bp ■ 31.7°; d^{20} = 0.6891; very soluble in H_2O and organic solvents; LD_{50} (rat orl) = 820 mg/kg. *Atofina; Hoechst Celanese; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

2132 Isopropylamine dodecylbenzenesulfonate

26264-05-1 H



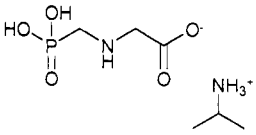
$C_{18}H_{30}O_3S.C_3H_9N$

Dodecylbenzenesulfonic acid monoisopropanolamine salt.

Arylan PWS; Atlas G 3300; Atlas G 711; Benzenesulfonic acid, dodecyl-, compd. with isopropylamine; Dodecylbenzenesulfonic acid, isopropylamine salt; Dodecylbenzenesulfonic acid monoisopropanolamine salt; Dodecylbenzenesulphonic acid, compound with isopropylamine; EINECS 247-556-2; G 3300; G 711; Isopropylamine dodecylbenzenesulfonate; Nansa YS 94; P 10-59; Polystep A 11; Rhodacal 330; Siponate 330; Witconate P 10-59.

2133 Isopropylamine Glyphosate

38641-94-0 4525 G P



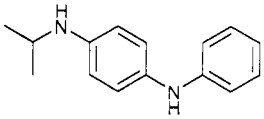
$C_6H_{17}N_2O_5P$

N-(Phosphonomethyl) glycine, isopropylamine salt.

Azural AT; Buggy; Caswell No. 471AAB; CCRIS 6431; CP 70139; EPA Pesticide Chemical Code 103601; Fosulen; Glifosato estrella; Glycel; Glycine, N-(phosphonomethyl)-, compound with 2-propanamine (1:1); Glyphosate isopropylamine salt; HSDB 3433; Isopropylamine glyphosate; Rodeo; Landmaster; MON 139; MON 39; Mono-isopropylammoniova sul; N-(Phosphonomethyl)-glycine isopropylamine salt; Nitosorg; 2-Propanamine, compd, with N-(phosphonomethyl)glycine (1:1); Rattler; Rodeo; Ron-do; Roundup; Utal; Utal (herbicide); Vision (herbicide). Aquatic herbicide. Registered by EPA as a herbicide and plant growth regulator. White solid; very soluble in H_2O. *Albaugh Inc.; Monsanto Co.*

2134 4-Isopropylaminodiphenylamine

101-72-4 G H



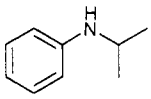
$C_{15}H_{18}N_2$

N-Isopropyl-N'-phenyl-p-phenylenediamine.

4-13-00-00115 (Beilstein Handbook Reference); 4010 NA; Antigene 3C; Antioxidant 4010 NA; Antioxidant 40NA; Antioxidant IP; ASM 4010ma; Benzenediamine, N-(1-methylethyl)-N'-phenyl-, 1,4-; BRN 2213195; CCRIS 4833; Cyzone; Cyzone IP; Diafen FP; Diaphen FP; EINECS 202-969-7; Elastozone 34; Flexzone 3C; HSDB 5342; Ipognox 44; IPPD; NA 4010; NCI-C56304; Nocrac 810NA; Nocrack 810NA; Nonox ZA; NSC 41029; Orflex PP; Ozonon 3C; Permanax 115; Permanax IPPD; S-IP; Santoflex 36; Santoflex IP; Vulkanox® 4010 NA. Staining and discoloring antioxidant/antiozonant for protection of rubber from ozone attack, oxidation, heat aging, flexcracking, and rubber poisons; suitable for natural and synthetic rubbers; used for dynamically stressed goods, technical goods, spring components, conveyor and transmission belting, seals, insulation. An antidegradant in natural rubber, styrene-butadiene, nitrile-butadiene, butadiene, and chloroprene rubber. Solid; mp ■ 72-76°; bp_1 = 161°; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 555 mg/kg. *Akrochem Chem. Co.; Akzo Chemie; Bayer AG; Polysar; Uniroyal.*

2135 N-Isopropylaniline

768-52-5 H



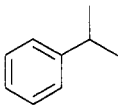
$C_9H_{13}N$

N-Phenylisopropylamine.

4-12-00-00255 (Beilstein Handbook Reference); Aniline, N-isopropyl-; Benzenamine, N-(1-methylethyl)-; BRN 2205871; CCRIS 4831; EINECS 212-196-7; HSDB 6133; Isopropylaniline; N-Isopropylaniline; N-Phenylisopropyl-amine. Liquid; bp = 203°; d^{25} ■ 0.9526; λ_m = 248, 295 nm (ε = 11000, 1640, MeOH); soluble in EtOH, Et_2O, Me_2CO, C_6H_6.

2136 Isopropylbenzene

98-82-8 2644 G H



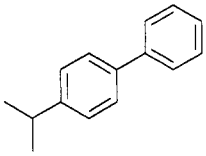
C_9H_{12}

Benzene, (1-methylethyl)-.

AI3-04630; Benzene, (1-methylethyl)-; Benzene, isopropyl; Cumeen; Cumene; Cumol; EINECS 202-704-5; HSDB 172; Isopropilbenzene; Isopropyl-benzol; Isopropylbenzeen; Isopropylbenzene; Isopropylbenzol; NSC 8776; Propane, 2-phenyl; RCRA waste number U055; UN1918. Used in production of phenol, acetone and α-methylstyrene and as a solvent. Oil; mp = -96°; bp = 152-154°; d^{20} = 0.8618; λ_m = 258 nm (cyclohexane); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether; LD_{50} (rat orl) = 2.91 g/kg. *Ashland; Chevron; Degussa-Hüls Corp.; Georgia Gulf; Mitsubishi Chem. Corp.*

2137 4-Isopropylbiphenyl

25640-78-2 G H



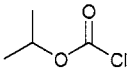
$C_{15}H_{16}$

(1-Methylethyl)-1,1'-biphenyl.

Biphenyl, isopropyl-; 1,1'-Biphenyl, (1-methylethyl)-; EINECS 247-156-8; HSDB 6160; Isopropylbiphenyl; 4-Isopropylbiphenyl; (1-Methylethyl)-1,1'-biphenyl; Mono-isopropylbiphenyl; Nusolv ABP-62; Wemcol. Alkyl biphenyl mixture; solvent possessing excellent solvency, chemical and thermal stability, nonvolatility; for Aerosols, adhesives, electronic parts manufacturing and cleaning, industrial cleaning, inks and paper coatings, metal cleaning, paints, plastics, sealants, tile manufacturing. *Ridge Tech.*

2138 Isopropyl chloroformate

108-23-6 G H



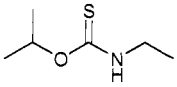
$C_4H_7ClO_2$

Chloroformic acid isopropyl ester.

4-03-00-00024 (Beilstein Handbook Reference); AI3-26269; BRN 0506416; Carbonochloride acid, 1-methylethyl ester; Carbonochloridic acid, 1-methylethyl ester; Chloroformic acid isopropyl ester; EINECS 203-563-2; Formic acid, chloro-, isopropyl ester; HSDB 2848; Isopropyl chlorocarbonate; Isopropyl chloroformate; Isopropyl chloromethanoate; Isopropylester kyseliny chlormravenci; UN2407. Chemical intermediate for free-radical polymerization initiators, also used in organic synthesis. Liquid; bp = 105°; soluble in Et_2O. *BASF Corp.; Elf Atochem N. Am.; PPG Ind.*

2139 Isopropyl ethylthiocarbamate

141-98-0 H



$C_6H_{13}NOS$

Ethylcarbamothioic acid, O-(1-methylethyl) ester.

Carbamic acid, ethylthio-, O-isopropyl ester; Carbamothioic acid, ethyl-, O-(1-methylethyl) ester; EINECS 205-517-7; Ethylcarbamothioic acid, O-(1-methylethyl) ester; O-Isopropyl ethylthiocarbamate; Z-200.

2140 Isopropyl formate

625-55-8 H

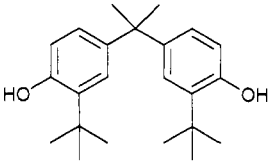
$C_4H_8O_2$

Formic acid, isopropyl ester.

4-02-00-00027 (Beilstein Handbook Reference); AI3-15407; BRN 1735844; EINECS 210-901-2; FEMA No. 2944; Formic acid, 1-methylethyl ester; Formic acid, isopropyl ester; HSDB 6401; Isopropyl formate; Isopropyl methanoate; 1-Methylethyl formate; NCI-C60106. Liquid; bp = 68.2°; d^{20} = 0.8728; λ_m = 213 nm (ε = 65, MeOH); slightly soluble in H_2O, CCl_4, soluble in $CHCl_3$, very soluble in Me_2CO, freely soluble in EtOH, Et_2O.

2141 4,4'-Isopropylidenebis(o-t-butylphenol)

79-96-9 H



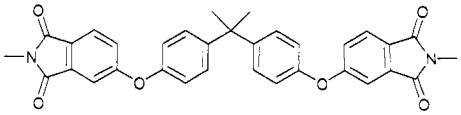
$C_{23}H_{32}O_2$

4,4'-(1-methylethylidene)bis(2-(1,1-dimethylethyl)phenol.

BRN 2294370; EINECS 201-239-5; 4,4'-Isopropylidene-bis(2-t-butylphenol); 4,4'-Isopropylidenebis(o-t-butyl-phenol); Phenol, (2,2'-di-t-butyl-4,4'-isopropylene)di-; Phenol, 4,4'-(1-methylethylidene)bis(2-(1,1-dimethyl-ethyl)-; Phenol, 4,4'-isopropylidenebis(2-t-butyl-; TBD.

2142 4,4'-((Isopropylidene)bis(p-phenyleneoxy))bis(N-methylphthalimide)

54395-52-7 H



$C_{33}H_{26}N_2O_6$

N,N'-Dimethyl-2,2-bis(4-(3,4-dicarboxyphenoxy)-phenyl)propane diimide.

N,N'-Dimethyl-2,2-bis(4-(3,4-dicarboxyphenoxy)-phenyl)propane diimide; EINECS 259-143-4; 1H-Iso-indole-1,3(2H)-dione, 5,5'-((1-methylethylidene)bis(4,1-phenyleneoxy))bis(2-methyl-; 4,4'-((Isopropylidene)bis(p-phenyleneoxy))bis(N-methylphthalimide).

2143 Isopropyl mercaptan

75-33-2 G

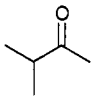
C_3H_8S

2-propanethiol.

AI3-22988; EINECS 200-861-4; HSDB 625; Isopropane-thiol; Isopropyl mercaptan; Isopropylthiol; 1-Methylethanethiol; NSC 87537; 2-Mercaptopropane; 2-Propanethiol; 2-Propylmercaptan. Unpleasant stench oder. Used as a leak detecting additive to natural gas. Liquid; mp = -130.5°; bp = 52.6°; d^{20} = 0.8143; poorly soluble in H_2O, very soluble in organic solvents. *Sigma-Aldrich Fine Chem.; U.S. BioChem.*

2144 Isopropyl methyl ketone

563-80-4 6113 H



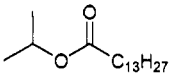
$C_5H_{10}O$

2-Methyl-3-butanone.

2-Acetyl propane; 2-Acetylpropane; AI3-24194; Caswell No. 555A; EINECS 209-264-3; EPA Pesticide Chemical Code 044104; Isopropyl methyl ketone; Ketone, isopropyl methyl; Methyl butanone-2; 3-Methylbutanone; Methyl isopropyl ketone; Methylbutanone; MIPK; NSC 9379; UN2397. Liquid; mp = -92°; bp = 94.3°; d^{20} = 0.8051; λ_m = 280 nm (ε = 21, EtOH); slightly soluble in H_2O, soluble in CCl_4, very soluble in Me_2CO, freely soluble in EtOH, Et_2O.

2145 Isopropyl myristate

110-27-0 5235 E G H



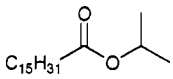
$C_{17}H_{34}O_2$

1-Methylethyl tetradecanoate.

4-02-00-01132 (Beilstein Handbook Reference); Bisomel; BRN 1781127; Caswell No. 511E; Crodamol I.P.M.; Crodamol IPM; Deltyl Extra; Deltylextra; EINECS 203-751-4; Emcol-IM; Emerest 2314; EPA Pesticide Chemical Code 000207; Estergel; FEMA No. 3556; HSDB 626; IPM; Isomyst; Isopropyl myristate; IPM; Isopropyl tetradecanoate; JA-FA IPM; Kessco® IPM; Kessco isopropyl myristate; Kesscomir; Myristic acid, isopropyl ester; NSC 406280; Plymouth IPM; Promyr; Radia® 7190 Sinnoester MIP; Starfol IPM; Stepan D-50; Tegester; Tetradecanoic acid, 1-methylethyl ester; Tetradecanoic acid, isopropyl; Tetradecanoic acid, isopropyl ester; 1-Tridecanecarboxylic acid, isopropyl ester; Unimate® IPM; Wickenol® 101; Wickenol® 105; myristic acid isopropyl ester. Biodegradable replacement for mineral oil; used as lubricants in textile spin finish, coning oils, carding, dye bath; emollient, solubilizer, vehicle for makeup, shaving preparations, bath oils, hair preparations. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application; also as emollient, plasticizer, solubilizer of active components in cosmetics and pharmaceuticals. Cosmetic creams, topical medicinals. Liquid; bp_{20} = 193°, bp_2 = 140°; d^{20} ■ 0.8532; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, very soluble in Me_2CO, C_6H_6. *Amerchol; CasChem; Fina Chemicals; Goldschmidt; Henkel/Emery; Inolex; Lanaetex; Stepan; Unichema; Union Camp.*

2146 Isopropyl palmitate

142-91-6 G H



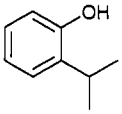
$C_{19}H_{38}O_2$

1-Methylethyl hexadecanoate.

4-02-00-01167 (Beilstein Handbook Reference); AI3-05733; BRN 1786567; Crodamol IPP; Deltyl; Deltyl prime; EINECS 205-571-1; Emcol-IP; Emerest® 2316; Estol 103; Hexadecanoic acid, 1-methylethyl ester; Hexadecanoic acid, isopropyl ester; HSDB 2647; Isopal; Isopalm; Isopropyl hexadecanoate; Isopropyl n-hexadecanoate; Isopropyl palmitate; Ja-fa ippkessco; JA-FA Ipp; Kessco® IPP; Kessco isopropyl palmitate; Nikkol IPP; NSC 69169; Palmitic acid, isopropyl ester; Plymouth IPP; Propal; Radia® 7200; Sinnoester PIT; Starfol IPP; Stepan D-70; Tegester isopalm; Unimate® IPP; USAF KE-5; Wickenol® 111. Emollient and solvent for cosmetics, toiletries, makeups; nongreasing rub in. Colorless liquid with low viscosity; good penetration and spreading properties; non-oily feel, low viscosity, good penetration and spreading properties. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application; Lubricant used for synthetic fibers in applications where low friction is essential; emollient in cosmetic formulations; high purity. Liquid; mp = 13.5°; d ■ 0.852, bp_2 = 160°; d^{38} = 0.8404; insoluble in H_2O, very soluble in EtOH, Me_2CO, Et_2O, C_6H_6. *Amerchol; CasChem; Fina Chemicals; Goldschmidt; Henkel/Cospha; Henkel/Emery; Inolex; Lipo; Stepan; Unichema; Union Camp.*

2147 Isopropylphenol

25168-06-3 H



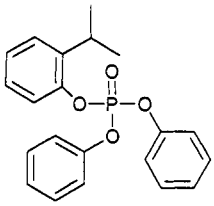
$C_9H_{12}O$

Phenol, (1-methylethyl)-.

EINECS 246-699-8; Isopropylphenol; Phenol, (1-methylethyl)-; Phenol, isopropyl-.

2148 Isopropylphenyl diphenyl phosphate

28108-99-8 G



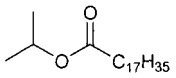
$C_{21}H_{21}O_4P$

Phosphoric acid (1-methylethyl)phenyl diphenyl ester.

CCRIS 4661; EINECS 248-848-2; HSDB 6795; Isopropylphenyl diphenyl phosphate; Kronitex 100; Phosflex 41P; Phosphoric acid, (1-methylethyl)phenyl diphenyl ester; Syn-O-Ad® 8480. Antiwear and EP agents in non-crankcase lubricants; ferrous metal passivator; fluid base stock where inhibition of flame propagation is desired. Insoluble in H_2O, soluble in organic solvents. *Akzo Chemie.*

2149 Isopropyl stearate

112-10-7 G



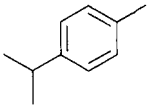
$C_{21}H_{42}O_2$

1-Methylethyl octadecanoate.

4-02-00-01219 (Beilstein Handbook Reference); BRN 1791443; EINECS 203-934-9; Isopropyl stearate; Octadecanoic acid, 1-methylethyl ester; Stearic acid, isopropyl ester; Wickenol® 127. Emollient, cosolvent and lubricant. Oily solid; mp = 28°; bp_6 = 207°; d^{34} = 0.8403; very soluble in Me_2CO, Et_2O, EtOH, $CHCl_3$. *CasChem.*

2150 p-Isopropyltoluene

99-87-6 2792 H



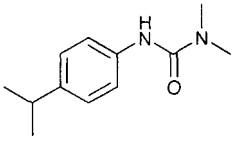
$C_{10}H_{14}$

Benzene, 1-methyl-4-(1-methylethyl)-.

Ai3-02272; Benzene, 1-isopropyl-4-methyl-; Benzene, 1-methyl-4-(1-methylethyl)-; Camphogen; Cumene, p-methyl-; Cymene, p-; p-Cymene; p-Cymol; Dolcymene; EINECS 202-796-7; FEMA No. 2356; HSDB 5128; p-Isopropylmethylbenzene; p-Isopropyltoluene; p-Methyl-cumene; p-Methylisopropylbenzene; NSC 4162; Para-cymene; Paracymene; Paracymol; UN2046. Liquid; mp = -68.9°; bp = 177.1°; d^{20} = 0.8573; λ_m = 279 nm (cyclohexane); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether.

2151 Isoproturon

34123-59-6 5238 H P



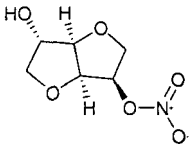
$C_{12}H_{18}N_2O$

N,N-Dimethyl-N'-[4-(1-methylethyl)phenyl]urea.

35689 R.P.; Alon; Arelon; Arelon R; Augur; Avanon; Belgran; BRN 2214033; CGA-18731; CL 12150; 3-p-Cumenyl-1,1-dimethylurea; DPX 6774; Graminon; HOE 16410; Hytane 500L; IP 50; IP-Flo; IPU Stefes; Isotop; Isoproturon; N-(4-Isopropylphenyl)-N',N'-dimethylharn-stoff; N-(Isopropyl-4-phenyl)-N',N'-dimethyluree; N-4-Isopropylphenyl-N,N-dimethylurea; 3-(4-Isopropyl-phenyl)-1,1-dimethylurea; N,N-Dimethyl-N'-(4-(1-methylethyl)phenyl)urea; Nocilon; Sabre; Swing; Tolkan; Urea, 1,1-dimethyl-3-(p-isopropylphenyl)-; Urea, 3-p-cumenyl-1,1-dimethyl-. Herbicide. Crystals; mp = 155 - 156°; soluble in H_2O (0.0072 g/100 ml), MeOH (5.6 g/100 ml), CH_2Cl_2 (7.3 g/100 ml), C_6H_6 (0.5 g/100 ml), C_6H_{14} (0.01 g/100 ml); LD_{50} (mrat orl) = 1826 mg/kg, (frat orl) = 2417 mg/kg, (mus orl) = 3350 mg/kg, (rat der) > 2000 mg/kg, (Japanese quail) > 3000 mg/kg, (pgn orl) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.67 mg/l air, (goldfish 96 hr.) ■ 100 mg/l, (bluegill sunfish 96 hr.) = 100 mg/l, (guppy 96 hr.) = 90 mg/l, (rainbow trout 96 hr.) = 240 mg/l; non-toxic to bees. *Aventis Crop Science; Ciba-Geigy Corp.; Gharda USA Inc.; Hoechst AG; Rhône-Poulenc; Syngenta Crop Protection.*

2152 Isosorbide Mononitrate

16051-77-7 5246 D



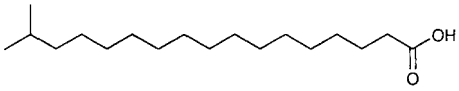
$C_6H_9NO_6$

1,4:3,6-Dianhydro-D-glucitol-5-mononitrate.

AHR-4698; AHR 4698; BM-22.145; BRN 5851319; CCRIS 1911; Conpin; Corangin; Duride; Edistol; EINECS 240-197-2; Elan; Elantan; Epicordin; Etimonis; Fem-Mono; IHD; Imazin; Imdur; Imdur Durules; Imodur; Imtrate; 5-Ismn; IS 5-MN; IS 5MN; Ismexin; ISMN; ISMO; Ismo-20; Ismox; Isomon; Isomonat; Isomonit; Isopen-20; Iturol; Medocor; Momo Mack; Monicor; Monis; Monit; Monizid; Mono-Cedocard; Mono Corax; Mono Mack; Mono-Sanorania; Monoclair; Monocord 20; Monocord 40; Monocord 50 SR; Monodur Durules; Monoket; Monolong; Mononit; Mononitrate d'isosorbide; Mononitrato de isosorbida; Monopront; MonoSigma; Monosorb; Monosorbitrate; Monosordil; Monotrate; Multitab; Nitex; Nitramin; Olicard; Olicardin; Orasorbil; Pentacard; Percorina; Pertil; Plodin; Promocard; Sigacora; Sorbimon; Titarane; Turimonit; UN3251; Uniket; Vasdilat; Vasotrate. A metabolite of isosorbide dinitrate. Coronary vasodilator used as an antianginal agent. White crystals; mp = 88-91°. *Boehringer Mannheim GmbH; Key Pharm.; Schwarz Pharma Kremers Urban Co.; Wyeth-Ayerst Labs.*

2153 Isostearic acid

2724-58-5 G



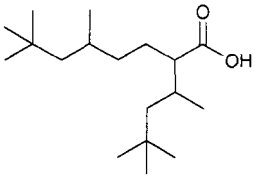
$C_{18}H_{36}O_2$

16-Methylheptadecanoic acid.

EINECS 220-336-3; Isooctadecanoic acid; Isostearic acid; 16-Methylheptadecanoic acid; 16-methylheptadecanoic acid; Emersol® 871; Proto-Lan IP; Prisorine 3508; Imwitor® 780K. Mixture of branched chain 18 carbon aliphatic acids; used in cosmetics, chemicals, dispersant, softener in rubber compounds, food packaging, suppositories and ointments. Liquid; d = 0.96-0.98; viscosity = 700-900 mPa·s; HLB=3.7; acid no = 3 max; iodine no = 10 max; sapon no = 240-260; LD_{50} (rat orl) >5 g/kg. *Degussa-Hüls Corp.; Henkel/Emery; Nissan Chem. Ind.; Unichema; Union Camp.*

2154 Isostearic acid

30399-84-9 H



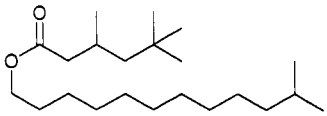
$C_{18}H_{36}O_2$

Isooctadecanoic acid.

875D; EINECS 250-178-0; Emersol 871; Emersol 875; Emery 871; Emery 875D; Haimaric MKH(R); Isooctadecanoic acid; Isostearic acid EX; Prisorine 3501; Prisorine 3502; Prisorine 3508; Unimac 5680.

2155 Isotridecyl isononanoate

59231-37-7 G



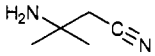
$C_{22}H_{44}O_2$

Isotridecyl 3,5,5-trimethylhexanoate.

EINECS 261-675-7; Hexanoic acid, 3,5,5-trimethyl-, isotridecyl ester; Isomeric tetramethyl-1-nonyl 3,5,5-trimethyl hexanoate; isotridecyl isononanoate; Isotridecyl 3,5,5-trimethylhexanoate; Wickeno® 153. Silky emollience and solvent characteristics for skin and hair care products; pigment wetter, moisturizer. *CasChem.*

2156 Isovalinonitrile

4475-95-0 H



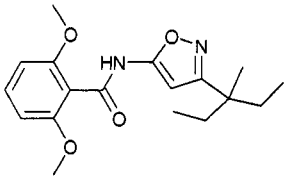
$C_5H_{10}N_2$

2-Amino-2-methylbutanenitrile.

2-Amino-2-methylbutyronitrile; Butanenitrile, 2-amino-2-methyl-; Butyronitrile, 2-amino-2-methyl-; EINECS 224-752-6; Isovalinonitrile; Vazo 67 aminonitrile.

2157 Isoxaben

82558-50-7 5257 G P



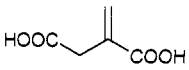
$C_{18}H_{24}N_2O_4$

N-[3-(1-Ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide.

Benzamide, 2,6-dimethoxy-N-(3-(1-ethyl-1-methyl-propyl)-5-isoxazolyl)-; Benzamizole; Caswell No. 419F; Cent 7; Compound 121607; 2,6-Dimethoxy-N-(3-(1-ethyl-1-methylpropyl)-5-isoxazolyl)benzamide; EL 107; EPA Pesticide Chemical Code 125851; Flexidor; Gallery; Isoxaben; Knot-out; N-(3-(1-Ethyl-methylpropyl)-5-isox-azolyl)-2,6-dimethoxybenzamide; NA 8318; Prolan; Prolan (herbicide); Ratio; X-Pand; EL-107; EPA Pesticide Chemical Code 125851; Flexidor; Gallery; Isoxaben; N-(3-(1-Ethyl-methylpropyl)-5-isoxazolyl)-2,6-dimethoxy-benzamide; NA 8318. A residual herbicide for the control of broad-leaved weeds in winter and spring cereals, grass leys and herbage seed crops, used for control of annual dicotyledons in cereals, grass and fruit. Registered by EPA as a herbicide. Colorless crystals; mp = 176-179°; poorly soluble in H_2O (0.0001 g/100 ml), more soluble in MeOH (5 - 10 g/100 ml), EtOAc (5 -10 g/100 ml), CH_3CN (3 - 5 g/100 ml), C_7H_8 (0.4 - 0.5 g/100 ml), C_6H_{14} (0.007 - 0.008 g/100 ml); LD_{50} (rat mus orl) > 10000 mg/kg, (dog orl) > 5000 mg/kg, (rbt der) > 200 mg/kg, (rat ip) > 2000 mg/kg, (mus ip) > 5000 mg/kg, (bobwhite quail orl) > 2000 mg/kg; LC_{50} (rat ihl) > 1.99 mg/l air, (mallard duck, bobwhite quail 5 day dietary) > 5000 mg/kg, (bluegill sunfish, rainbow trout 96 hr.) > 1.1 mg/l, (*Daphnia 48 hr.*) > *1.3 mg/l(Selenastrum capricornutum* 14 day) > 1.4 mg/l, non-toxic to bees. *Dow AgroSciences; Synchemicals Ltd; Tripart Farm Chemicals Ltd.*

2158 Itaconic acid

97-65-4 5264 H



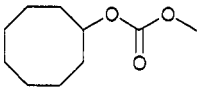
$C_5H_6O_4$

Butanedioic acid, methylene-.

AI3-16901; Butanedioic acid, methylene-; EINECS 202-599-6; HSDB 5308; Itaconic acid; Methylenebutanedioic acid; Methylenesuccinic acid; NSC 3357; Propylenedicarboxylic acid; Succinic acid, methylene-. Crystals; mp ■ 175°; bp dec; d^{25} = 1.632; soluble in H_2O, EtOH, Me_2CO, $CHCl_3$, poorly soluble in Et_2O, C_6H_6, petroleum ether, CS_2.

2159 Jasmacyclat

61699-38-5 G



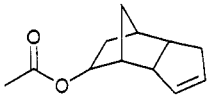
$C_{10}H_{18}O_3$

Methylcyclooctylcarbonate.

BRN 2254088; Carbonic acid, cyclooctyl methyl ester; Cyclooctyl methyl carbonate; EINECS 262-912-7; Jasmacyclat; Methyl cyclooctyl carbonate. Raw material for fragrance in floral notes. Henkel/Cospha.

2160 Jasmacyclene

2500-83-6 G



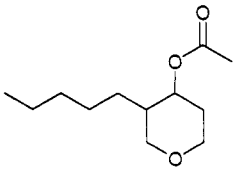
$C_{12}H_{16}O_2$

Tricyclodecenyl acetate.

Cyclacet; EINECS 219-700-4; Greenyl acetate; Herbyl acetate; Hexahydro-4,7-methanoinden-5(or 6)-yl acetate; 3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-5-yl acetate; 4,7-Methano-1H-inden-5-ol, 3a,4,5,6,7,7a-hexahydro-, acetate; 4,7-Methanoinden-5-ol, 3a,4,5,6,7,7a-hexahydro-, acetate; Jasmacyclene; NSC 142428; Tricyclo(5.2.1.$0^{2,6}$)dec-3-en-9-yl acetate; Tricyclodecenyl acetate; Verdyl acetate. Used in perfumery. *Quest Intl.*

2161 Jasmopyrane

18871-14-2 G



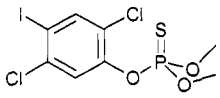
$C_{12}H_{22}O_3$

4-Acetoxy-3-pentyltetrahydropyran.

4-Acetoxy-3-pentyltetrahydropyran; 3-Amyl-4-acetoxy-tetrahydropyran; EINECS 242-640-5; Jasmal; Jasmophyll; Jasmopyrane; 2H-Pyran-4-ol, tetrahydro-3-pentyl-, acetate; Tetrahydro-3-pentyl-2H-pyran-4-yl acetate. Used in perfumery as a fresh, sweet, oily, jasmin, watery fragrance. *Quest UK.*

2162 Jodfenphos

18181-70-9 5054 G P



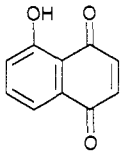
$C_8H_8Cl_2IO_3PS$

O-(2,5-Dichloro-4-iodophenyl) O,O-dimethyl phosphoro-thioate.

AI3-27408; Alfacron; BRN 1885795; C 9491; Caswell No. 309B; Ciba C-9491; Ciba-Geigy C-9491; Compound C-9491; O-(2,5-Dichloro-4-iodophenyl) O,O-dimethyl phosphorothioate; O,O-Dimethyl-O-(2,5-dichlor-4-jod-phenyl)-thionophosphat; O,O-Dimethyl-O-(2,5-dichlor-4-jodphenyl)-monothiophosphat; O,O-Dimethyl-O-2,5-di-chloro-4-iodophenyl thiophosphate; EINECS 242-069-1; ENT 27408; EPA Pesticide Chemical Code 309700; HSDB 1568; Iodofenfos; Iodofenphos; Iodophenphos; Iodophos; Iodfenphos; Monocron 9491; NSC 190998; Nuvanol N; OMS-1211; Phosphorothioic acid, O-(2,5-dichloro-4-iodophenyl) O,O-dimethyl ester; Trix; O,O-Dimethyl-O-(2,5-dichlor-4-jodphenyl)-monothiophosphat [; ENT 27408; EPA Pesticide Chemical Code 309700; HSDB 1568; Iodofenfos; Iodofenphos; Iodophenphos; Iodophos; Jodfenphos; Monocron 9491; NSC 190998; Nuvanol N; OMS-1211; Phenol, 3,4-dichloro-, O-ester with O-methyl methylphosphoramidothioate; Phosphoro-thioic acid, O-(2,5-dichloro-4-iodophenyl) O,O-dimethyl ester; Trix. An organophosphorus insecticide and acaricide. Colorless crystals; mp ▪ 76°; sg^{20} = 2.0; poorly soluble in H_2O (< 0.0002 g/100 ml), soluble in Me_2CO (48 g/100 ml), CH_2Cl_2 (86 g/100 ml), C_6H_6 (61 g/100 ml), i-PrOH (23 g/100 ml), C_6H_{14} (3.3 g/100 ml); LD_{50} (rat orl) = 2100 mg/kg, (mus orl) = 3000 mg/kg, (rbt orl) = 2000 mg/kg, (dog orl) = 3000 mg/kg, (rat der) >2000 mg/kg, (rbt der) > 500 mg/kg; LC_{50} (rat ihl 6 hr.) > 0.246 mg/l air; (rainbow trout 96 hr.) = 0.06 - 0.10 mg/l, (goldfish 96 hr.) = 1.00 - 1.33 mg/l, (bluegill sunfish 96 hr.) = 0.42 - 0.75 mg/l; toxic to bees. *Ciba Geigy Agrochemicals.*

2163 Juglone

481-39-0 5288 G



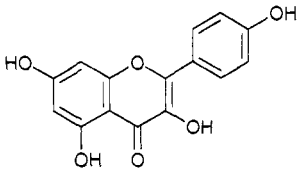
$C_{10}H_6O_3$

5-Hydroxynaphthoquinone.

4-08-00-02368 (Beilstein Handbook Reference); Akhnot; BRN 1909764; C.I. 75500; C.I. Natural Brown 7; Caswell No. 515AA; CCRIS 5423; EINECS 207-567-5; 5-Hydroxy-1,4-naftochinon; 5-Hydroxy-1;4-naphthalenedione; 5-Hydroxynaphthoquinone; 5-Hydroxy-1,4-naphtho-quinone; 8-Hydroxy-1,4-naphthoquinone; 5-Hydroxy-1,4-naphthosemiquinone; Juglon; Juglone; 1,4-Naphthalenedione, 5-hydroxy-; 1,4-Naphthoquinone, 5-hydroxy-; 1,4-Naphthoquinone, 8-hydroxy-; NSC 153189; Nucin; Regianin; Walnut extract; Yuglon. Brown pigment from the walnut. Used as a chemical intermediate. mp ▪ 155°; λ_m = 420 nm (log ε 3.56 MeOH), 248 nm (ε = 12900, MeOH); insoluble in cold H_2O, slightly soluble in ligroin, soluble EtOH, Et_2O, C_6H_6, very soluble in $CHCl_3$, AcOH; LD_{50} (rat orl) = 112 mg/kg.

2164 Kaempferol

520-18-3 5293 G



$C_{15}H_{10}O_6$

3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one.

5-18-05-00251 (Beilstein Handbook Reference); AI3-36096; 4H-1-Benzopyran-4-one, 3,5,7-trihydroxy-2-(4-hydroxyphenyl)-; BRN 0304401; C.I. 75640; Campherol; CCRIS 41; EINECS 208-287-6; Flavone, 3,4',5,7-tetra-hydroxy-; Indigo Yellow; Kaemferol; Kaempferol; Kaem-pherol; Kampferol; Kampherol; Kempferol; Nimbecetin; NSC 407289; Pelargidenolon; Pelargidenolon 1497; Populnetin; Rhamnolutein; Rhamnolutin; Robigenin; Swartziol; Trifolitin; 3,4',5,7-Tetrahydroxyflavone; 5,7,4'-Trihydroxyflavonol; 3,5,7-Trihydroxy-2-(4-hydroxyphen-yl)-4H-1-benzopyran-4-one. The coloring matter of the blue flowers of *Delphinium consolida*. Yellow needles; mp = 276-278°; λ_m ▪ 266, 368 nm (ε = 18197, 11220, EtOH); insoluble in C_6H_6, slightly soluble in H_2O, $CHCl_3$, soluble in alkali, very soluble in EtOH, Et_2O, Me_2CO.

2165 Kainite

1318-72-5 G

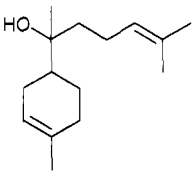
$ClKMgO_4S.3H_2O$

Kainite.

Kainite; Potassium magnesiom sulfate-magnesium chloride. A salt found in the Stassfurt deposits, consisting mainly of potassium magnesium sulfate and magnesium chloride. The crude material consists of a mixture of kainite and rock salt, and contains 23% of pot; used in chemicals and fertilizers.

2166 Kamillosan

23089-26-1 1241 G



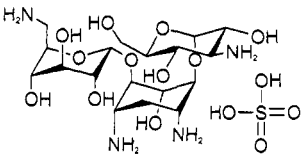
$C_{15}H_{26}O$

α-(-)-Bisabolol.

-α-Bisabolol; α-Bisabolol (-)-form; α-Bisabolol, l-; α-Bisabolol, L-; Bisbalol; 3-Cyclohexene-1-methanol, α,4-dimethyl-α-(4-methyl-3-pentenyl)-, (S)-; 1-methyl-4-(1,5-dimethyl-1-hydroxyhex-4(5)-enyl)cyclohexen-1; 6-meth-yl-2-(4-methyl-3-cyclohexene). Pharmaceutical prep-aration containing the active principle of *Matricaria chamomilla*; used as an anti-inflammatory. Liquid; bp_{12} = 153°; d^{20} ▪ 0.9211; $[\alpha]_D$ = -55.7°. *Degussa AG.*

2167 Kanamycin A Sulfate

25389-94-0 5299 D G



$C_{18}H_{36}N_4O_{11}.H_2SO_4$

O-3-Amino-3-deoxy-α-D-glucopyranosyl-(1→6)-O-[6-amino-6-deoxy-α-D-glucopyranosyl-(1→4)]-2-deoxy-D-streptamine sulfate.

Amforol; Cantrex; Cristalomicina; EINECS 246-933-9; Enterokanacin; Kamycin; Kanabristol; Kanacedin; Kanamycin A sulfate; Kanamycin monosulfate; Kanamycin sulfate; Kanamytrex; Kanaqua; Kanasig; Kanatrol; Kanescin; Kanicin; Kannasyn; Kano; Kantrex; Kantrexil; Kantrim; Kantrox; Kasmynex; Klebcil; Ophtalmokalixan; Otokalixin; Resistomycin.; component of: Amforol. Aminoglycoside antibiotic from *Streptomyces kanamyceticus*. Powder; dec > 250°; freely soluble in H_2O; insoluble in most organic solvents; LD_{50} (mus orl) = 20700 mg/kg, (mus ip) = 1450 mg/kg. *Apothecon; Bristol-Myers Squibb Pharm. R&D; Merck & Co.Inc.; SmithKline Beecham Pharm.*

2168 Kaolin

1332-58-7 G

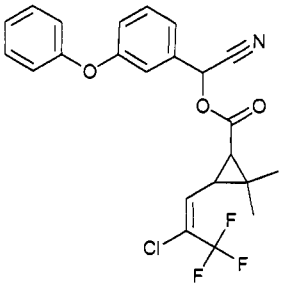
$Al_2O_3.2SiO_2.2H_2O$

Hydrated aluminum silicate.

AA Kaolin; Acidic white clays; Airflo V 8; Alfaplate; Alphacoat; Alphagloss; Altowhite; Altowhites; Amazon 88; Amazon 90; Amazon Kaolin 855D; Apsilex; Arcilla blanca; Argiflex; Argilla; Argilla alba; Argirec B 22; Argirec KN 15; ASP (mineral); ASP Ultrafine; Astra-Glaze; Bentone; Beta Coat; Bilt Plate 156; BOL Blanc; Bolus alba; Burgess 10; CB 1 (clay); CB 2 (clay); Century HC; China clay; Clay (kaolin); Clay 347; Clay slurry; Clays, white, acidic; Comalco; Comalco Kaolin; Donnagel; Electros; Emathlite; EPA Pesticide Chemical Code 100104; Fitrol; Fitrol desiccite 25; Glomax; HSDB 630; Hydrite; Kao-gel; Kaolin; Kaolin clay slurry; Kaolin colloidal; Kaopaous; Kaopectate; Kaophills-2; Kayphobe-ABO; Langford; Light kaolin; Mcnamee; Osmo kaolin; Parclay; Porcelain clay; Snow tex; Vanclay; White bole. Filler and coatings for paper, rubber, refractories, ceramics; in anticaking preparations, paint; adsorbent for clarification of liquids. *Burgess Pigment; Dry Branch Kaolin; ECC Intl.; Huber J. M.; Kaopolite; Southern Clay Products; Vanderbilt R.T. Co. Inc.*

2169 Karate

68085-85-8 2787 G P



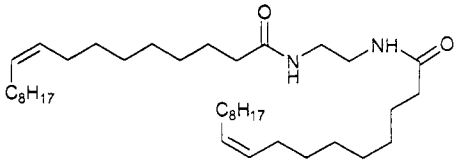
$C_{23}H_{19}ClF_3NO_3$

λ-cyhalothrin.

3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylic acid cyano(3-phenoxyphenyl)-methyl ester; Grenade. Pyrethroid insecticide. White solid; mp = 49.2°; poorly soluble in H_2O (0.5 g/100 ml), soluble in organic solvents; LD_{50} (mrat orl) = 79 mg/kg, (frat orl) = 56 mg/kg, (mrat der) = 632 mg/kg, (frat der) ■ 696 mg/kg. *ICI Chem. & Polymers Ltd.*

2170 Kemamide® W-20

110-31-6 G



$C_{38}H_{72}N_2O_2$

N,N'-Ethylenebisoleamide.

N,N'-Dioleoylethylenediamine; EINECS 203-756-1; N,N'-1,2-Ethanediylbis-9-octadecenamide; N,N'-Ethane-1,2-diylbisoleamide; N,N'-Ethylenebisoleamide; N,N'-Ethylenedioleamide; Ethylene bis(oleamide); Ethylene dioleamide; NSC 131419; 9-Octadecenamide, N,N'-1,2-ethanediylbis-, (Z,Z)-; 9-Octadecenamide, N,N'-1,2-ethanediylbis-, (9Z,9'Z)-; Oleamide, N,N'-ethylenebis- (8Cl); Oleic acid-ethylenediamine condensate. Lubricant, slip, antiblock, and mold release agent for plastics, crayons, petrol. products, asphalts, inks, metals, textiles; mold release agent for thermoplastic resins in injection molding; defoamer and water repellent in industrial/household Solid; mp = 115-118°. *CK Witco Chem. Corp.*

2171 Kerosene

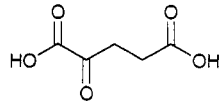
8008-20-6 5311 G H P

Petroleum base oil.

AF 100 (pesticide); Avtur; Avtur (pesticide); Bayol 35; Bitumen Cutter; Caswell No. 517; CCRIS 1359; Coal oil; Deodorized kerosene; Distillate fuel oils, light; EINECS 232-366-4; EPA Pesticide Chemical Code 063501; Escaid 100; Escaid 110; Exxsol D 200/240; Fuel No. 1 [Oil, fuel]; Fuel oil No. 1; Fuels, kerosine; HSDB 632; Ink oil; Jet fuels, JP-5; Jp-5 navy fuel/marine diesel fuel; JP5 Jet fuel; Kerosene; Kerosene (deodorized); Kerosene, straight run; Kerosene [Flammable liquid]; Kerosine; Kerosine (petroleum); KO 30 (solvent); Navy fuels JP-5; Neochiozol; Nysolvin 75A; Odorless Solvent 3440; Parasol; Pegasol 3040; Range-oil; Shell 140; Shellsol 2046; Straight-run kerosene; SX 7; SX 12; UN1223. Registered by EPA as an insecticide and herbicide. Colorless mobile liquid; d ■ 0.8, bp = 175 -325°; insoluble in H_2O, soluble in most non-polar organic solvents; LD_{50} (rbt orl) = 22400 mg/kg. *Drexel Chemical Co.; Triangle; UAP - Platte Chemical.*

2172 α-Ketoglutaric acid

328-50-7 5320 G



$C_5H_6O_5$

2-Oxopentanedioic acid.

AI3-26938; Bis(L-arginin)-2-oxoglutarat; EINECS 206-330-3; Glutaric acid, α-keto; Glutaric acid, 2-oxo-; α-Ketoglutaric acid; α-Oxoglutaric acid; NSC 17391; 2-Oxoglutaric acid; 2-Oxopentanedioic acid; 2-Oxo-1,5-pentanedioic acid; Pentanedioic acid, 2-oxo-. Crystals; mp = 115.5°; λ_m = 312 nm (MeOH); very soluble in H_2O, EtOH, Et_2O, Me_2CO.. *Am. Biorganics; Lancaster Synthesis Co.; Penta Mfg.; U.S. BioChem.*

2173 Krystallazurin

14283-05-7 9256 G

$CuH_{12}N_4O_4S$

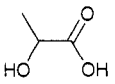
Tetraamminecopper sulfate.

Copper ammine sulfate; Copper tetraammine sulfate; Copper(2+), tetraammine-, sulfate (1:1); Cupric sulfate ammoniate; Cupric

sulfate-tetraammonia complex; EINECS 238-177-3; NSC 305303; Tetraaminecopper sulfate; Tetraamminecopper sulfate; Tetraamminecopper sulphate; Tetraamminecopper(II) sulfate. A fungicide consisting of ammoniacal copper sulfate. [monohydrate]; large dark blue crystals; d_4^{20} = 1.81; solulbe in H_2O (18.5 g/100 ml).

2174 Lactic acid

50-21-5 5351 E G



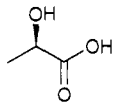
$C_3H_6O_3$

2-Hydroxypropanoic acid.

Acetonic acid; Acidum lacticum; Aethylidenmilchsaeure; Al3-03130; BRN 5238667; CCRIS 2951; E270; Eco-Lac®; EINECS 200-018-0; EINECS 209-954-4; EPA Pesticide Chemical Code 128929; Ethylidenelactic acid; FEMA Number 2611; HSDB 800; Kyselina 2-hydroxypropanova; Kyselina mlecna; L18; Lactic acid; DL-Lactic acid; Lactovagan; Milchsäure; Milchsaeure; DL-Milchsaeure; Milchsaure; Milk acid; NSC 367919; Patlac LAS®; Propanoic acid, 2-hydroxy-; Propel; Propionic acid, 2-hydroxy-; Purac 88 PH; Purac®; Racemic lactic acid; SY-83; Tonsillosan. Organic acid; cultured dairy products, as acidulant, chemicals (salts, plasticizers, adhesives, pharmaceuticals), mordant in wool dyeing, food additive, manufacture of lactates. Registered by EPA as a plant growth regulator. FDA, USDA, FEMA GRAS (not to be used in infant foods); Japan, UK approved, Europe listed, FDA approved for injectables, parenterals, orals, topicals, vaginals. USP/NF, BP, Ph.Eur., JP compliance. In the FDA list of inactive ingredients, (injectables, oral syrups and tablets, topicals and vaginals). Crystals; mp = 17°; bp_{15} ■ 122°, $bp_{0.5\text{-}1}$ = 82 - 85°; d = 1.249; λ_m = 264.5 nm ($E^{1\%}_{1cm}$ 459, hexane); LD_{50} (rat orl) = 3730 mg/kg; soluble with water, glycerol, furfural, insoluble in $CHCl_3$, CS_2, petroleum ether. *AB Technology Ltd.; ADM; Ashland; Chr Hansen's Lab.; Dinoval; Ellis & Everard; Honeywell & Stein; Integra; Jungbunzlauer; Lohmann; Mallinckrodt Inc.; Mitsubishi Corp.; Penta Mfg.; Pfanstiehl Labs Inc.; Pointing; Purac Biochem. BV; Ruger; Sibner-Hegner; Spectrum Chem. Manufacturing; Todd's; Van Waters & Rogers.*

2175 D-lactic acid

10326-41-7 5350 G



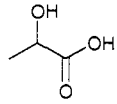
$C_3H_6O_3$

(R)-2-hydroxypropanoic acid.

EINECS 233-713-2; (R)-α-Hydroxypropionic acid; (R)-2-Hydroxypropanoic acid; (R)-2-Hydroxypropionsaeure; (R)-2-Hydroxypropionsäure; Lactic acid (D); 1-Lactic acid; (-)-Lactic acid; D-Lactic acid; (D)-(-)-Lactic acid; (R)-Lactic acid; (R)-(-)-Lactic acid; (R)-Milchsaeure; D-Milchsaeure; (R)-Milchsäure; D-Milchsäure; Propanoic acid, 2-hydroxy-, (2R)-; Propanoic acid, 2-hydroxy-, (R)-. Crystals; mp = 53°; $[\alpha]_D^{24}$ = -2.6° (c ■ 8); soluble in H_2O.

2176 DL-lactic acid

598-82-3 5351 G P V



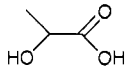
$C_3H_6O_3$

2-hydroxypropanoic acid.

Acidum lacticum; Aethylidenmilchsaeure; Äthylidenmilchsäure; Al3-03130; BRN 5238667; CCRIS 2951; EINECS 200-018-0; EINECS 209-954-4; EPA Pesticide Chemical Code 128929; Ethylidenelactic acid; FEMA Number 2611; HSDB 800; 1-Hydroxyethane-carboxylic acid; 2-Hydroxypropanoic acid; (±)-2-Hydroxypropanoic acid; α-Hydroxypropionic acid; 2-Hydroxypropionic acid; (RS)-2-Hydroxypropionsaeure; Kyselina 2-hydroxypropanova; Kyselina mlecna; Lactate; Lactic acid; DL-Lactic acid; Lactovagan; Milchsaeure; DL-Milchsaeure; Milchsäure; DL-Milchsäure; Milk acid; NSC 367919; Ordinary lactic acid; Propanoic acid, 2-hydroxy-; Propel; Propionic acid, 2-hydroxy-; Racemic lactic acid; SY-83; Tonsillosan. Occurs in sour milk. Used as an acidulant and, in veterinary medicine, as an internal antiseptic. Also used as a plant growth regulator. Registered by EPA as a plant growth regulator. Yellow liquid; mp = 18°; bp_{15} = 122°; d^{21} = 1.2060; very soluble in H_2O, EtOH, soluble in Et_2O; LD_{50} (rat orl) ■ 3.73 g/kg; LD_{50} (rat orl) = 3730 mg/kg, (mus orl) = 4880 mg/kg, (mus sc) = 4500 mg/kg, (gpg orl) = 1810 mg/kg. *AB Technology Ltd.; ADM; Ashland; Chr Hansen's Lab.; Ellis & Everard; Honeywell & Stein; Integra; Jungbunzlauer; Mallinckrodt Inc.; Mitsubishi Corp.; Penta Mfg.; Pfanstiehl Labs Inc.; Pointing; Purac Biochem. BV; Ruger; Sibner-Hegner; Spectrum Chem. Manufacturing; Todd's; Van Waters & Rogers.*

2177 L-lactic acid

79-33-4 5352 G



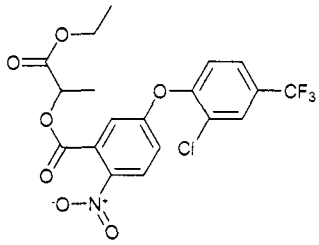
$C_3H_6O_3$

(S)-2-hydroxypropanoic acid.

d-lactic acid; sarcolactic acid; paralactic acid. Crystals; mp = 53°; $[\alpha]_D^{24}$ = 2.6° (c ■ 2.5); soluble in H_2O.

2178 Lactofen

77501-63-4 P



$C_{19}H_{15}ClF_3NO_7$

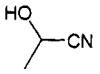
5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid2-ethoxy-1-methyl-2-oxoethyl ester.

Benzoic acid, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester; 1'-(Carbo-ethoxy)ethyl5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoate; 5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid 2-ethoxy-1-methyl-2-oxoethyl ester; Cobra; Cobra 2E; Cobra herbicide; EPA Pesticide Chemical Code 128888; HSDB 6991; Lactofen; PPG 844; Cobra; Cobra 2E; Cobra herbicide; (±)-2-Ethoxy-1-methyl-2-oxoethyl5-(2-chloro-4-(trifluoromethyl)phenoxy)-2 nitrobenzoate; Lactofen; PPG 844; [83513-60-4].

Herbicide. Dark brown oil; almost insoluble in H_2O (< 0.0001 g/100 ml at 20°); LD_{50} (rat orl) > 5000 mg/kg, (rat der) = 2000 mg/kg. *BASF Corp.; PPG Ind.; Valent USA Corp.*

2179 Lactonitrile

78-97-7 H



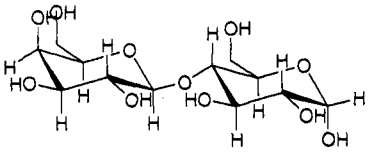
C_3H_5NO

2-Hydroxypropionitrile.

3-03-00-00451 (Beilstein Handbook Reference); Acetaldehyde, cyanohydrin; Acetocyanohydrin; AI3-24276; BRN 0605366; CCRIS 6048; EINECS 201-163-2; EINECS 255-852-8; Ethylidene cyanohydrin; HSDB 5225; Lactonitrile; Laktonitril; NSC 7764; Propanenitrile, 2-hydroxy-; Propionitrile, 2-hydroxy-. Used as a solvent and an intermediate in production of ethyl lactate and lactic acid. Liquid; mp = -40°; bp = 183°; d^{20} = 0.9877; freely soluble in H_2O, organic solvents; LD_{50} (mrat orl) = 31 mg/kg; (frat orl) = 41 mg/kg; LCLo (rat ihl) = 124 ppm, 4 hr. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.; Supernutrition.*

2180 Lactose

63-42-3 5358 G P



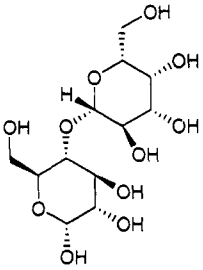
$C_{12}H_{22}O_{11}$

4-O-β-D-Galactopyranosyl-D-glucose.

4-17-00-03066 (Beilstein Handbook Reference); AHL; AI3-08876; Aletobiose; BRN 0093796; CCRIS 7078; EINECS 200-559-2; Fast-flo; Fast-flo Lactose; Galactinum; 4-O-β-D-Galactopyranosyl-D-glucose; 4-(β-D-Galactos-ido)-D-glucose; D-Glucose, 4-O-β-D-galactopyranosyl-; Lactin; Lactin (carbohydrate); Lactobiose; Lactose; D-Lactose; D-(+)-Lactose; (+)-Lactose; Lactose; Lactose, anhydrous; Lactose Fast-flo; Milk sugar; Pharmatose 21; Pharmatose 450M; Saccharum lactin; Tablettose; Zeparox EP. Used to supplement animal feeds. Two crystalline forms. α form: mp = 201 - 202°$[\alpha]_D^{20}$= +92.6°→+83.5°. β form: $[\alpha]_D^{25}$= +39°→+52.3°.

2181 α-D-Lactose

5989-81-1 G



$C_{12}H_{22}O_{11}$

4-O-β-D-Galactopyranosyl-D-glucose.

α-D-Glucopyranose, 4-O-β-D-galactopyranosyl-, monohydrate; α-Lactose monohydrate; Milk sugar; d-glucose; 4-(β-D-galactosido)-D-glucose; Saccharum lactis; Disaccharide. Pharmacy; infant foods; baking and confectionary; manufacture of penicillin, yeast; adsorbent in chromatography. White solid; d ■ 1.23; mp = 201-202°; $[\alpha]_D^{20}$= +96°; soluble in H_2O, EtOH, insoluble in $CHCl_3$, Et_2O. *Dajac Labs.; Lancaster Synthesis Co.; Penta Mfg.; Simonis BV.*

2182 Lanolin

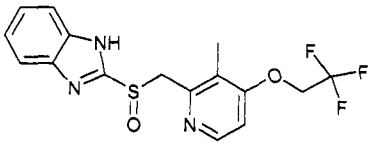
8006-54-0 5373 H P

Lanolin.

Adeps lanae; Agnin; Agnolin; alapurin; Anhydrous Lanolin Grade P.95; Anhydrous Lanolin Grade 2; Anhydrous Lanolin Grade 1; Anhydrous Lanolin P.80; Anhydrous Lanolin Superfine; Anhydrous Lanolin USP Pharmaceutical Grade; Anhydrous Lanolin USP Deodorized AAA; Anhydrous Lanolin USP Cosmetic Grade; Anhydrous Lanolin USP; Anhydrous Lanolin USP Cosmetic AA; Anhydrous Lanolin USP Cosmetic; Anhydrous Lanolin USP Pharmaceutical; Clearlin; Corona®; Glossylan; Lanain; Lanalin; Lanesin; Lanichol; Laniol; Lanolin anhydrous; Lanum; Oesipos; Purified lanolin; Refined wool fat; Wool alcohol; Wool alcohols; Wool fat; Wool grease; Wool wax; Woolwax ester. Emulsifying agent, ointment base. Japan approved, FDA approved for use in ophthalmics and topicals, USP/NF, BP, Ph.Eur. compliance. In the FDA list of inactive ingredients, (ophthalmics, otics, topicals and vaginais). Used as an emollient, ointment base, filler, emulsifier, vehicle. Used in ophthalmics, topicals, suppositories, as a protectant against diaper rash, in hemorrhoidal and antibiotic ointments. Solid; mp = 38-40°; d^{15} = 0.932 - 0.945; insoluble in H_2O, soluble in most organic solvents. Non-toxic, possible allergenic. *Amerchol; Croda; Henkel/Emery; Integra; Lanaetex; Rita; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Stevenson Cooper; Westbrook Lanolin.*

2183 Lansoprazole

103577-45-3 5378 D



$C_{16}H_{14}F_3N_3O_2S$

2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridyl]methyl]-sulfinyl]benzimidazole.

A-65006; AG 1749; Agopton; Amarin; Aprazol; Bamalite; Blason; BRN 4333393; Compraz; Dakar; Ilsatec; Ketian; Lancid; Lanproton; Lansopep; Lansoprazol; Lansoprazole; Lansoprazolum; Lanston; Lanz; Lanzol-30; Lanzopral; Lanzor; Lasoprol; Limpidex; Mesactol; Monolitum; Ogast; Ogastro; Opiren; Prevacid; Prezal; Pro Ulco; Promp; Prosogan; Suprecid; Takepron; Ulpax; Zoprol; Zoton. Gastric proton pump inhibitor. Antiulcerative. Crystals; mp = 178-182° (dec). *Takeda Chem. Ind. Ltd.*

2184 Lanthanum

7439-91-0 5379 G

La

La

Lanthanum.

EINECS 231-099-0; Lanthanum. Lanthanum salts, electronic devices, pyrophoric alloys, rocket propellants, reducing agent catalyst for conversion of nitrogen oxides to nitrogen in exhaust gases, phosphors in x-ray screens. Metallic solid; mp = 920°; bp = 3464°; d ■ 6.162; reacts slowly with cold water, more readily on heating. *Atomergic Chemetals; Cerac; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

2185 Lanthanum chloride

10099-58-8 G

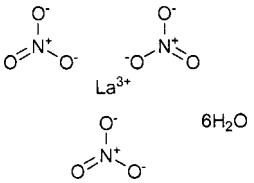
Cl_3La

Lanthanum(III) chloride anhydrous.

CCRIS 6887; EINECS 233-237-5; Lanthanum chloride; Lanthanum chloride ($LaCl_3$); Lanthanum chloride, anhydrous; Lanthanum trichloride; Lanthanum(III) chloride. Anhydrous trichloride used to prepare the rare-earth metal. Solid; mp = 860°; bp ■ 1000°. *Atomergic Chemetals; Cerac; Spectrum Chem. Manufacturing.*

2186 Lanthanum nitrate

10099-59-9 G



$LaN_3O_9.6H_2O$

Lanthanum(III) nitrate hexahydrate.

Lanthanum nitrate ($La(NO_3)_3$); Lanthanum trinitrate; Lanthanum(III) nitrate; Nitric acid, lanthanum (3+) salt. Antiseptic, gas mantles. *Atomergic Chemetals; Cerac; Rhône-Poulenc.*

2187 Lanthanum oxide

1312-81-8 G

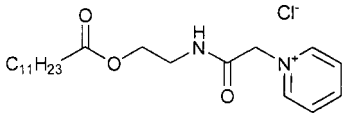
La_2O_3

Lanthanum(III) oxide.

Dilanthanum oxide; Dilanthanum trioxide; EINECS 215-200-5; Lanthana; Lanthania (La_2O_3); Lanthanum oxide; Lanthanum sesquioxide; Lanthanum trioxide; Lanthanum(3+) oxide. Used in calcium lights, optical glass, technical ceramics, cores for carbon-arc electrodes, fluorescent phosphors, refractories. Solid; mp = 2315°; bp = 4200°; d = 6.5100. *Atomergic Chemetals; Cerac; Rhône-Poulenc; Seimi Chem.*

2188 Lapyrium chloride

6272-74-8 5385 G



$C_{21}H_{35}ClN_2O_3$

1-[[2-Oxo-2-[(1-oxododecyl)oxy]ethyl]amino]ethyl]pyridinium chloride.

N-(Acylcolaminoformylmethyl)pyridinum chloride; Caswell No. 519; Chlorure de lapirium; Cloruro de lapirio; N-(Colaminoformylmethyl)pyridinium chloride laurate; N-((N-(2-Dodecanoyloxyethyl)carbamoyl)-methyl)pyridinium chloride; EINECS 228-464-1; Emcol E-607; EPA Pesticide Chemical Code 069131; 1-(((2-Hydroxyethyl)carbamoyl)methyl)pyridinium chloride laurate; 1-(2-Hydroxyethyl)carbamoyl methyl pyridinium chloride laurate; Lapirii chloridum; Lapirium chloride; Lapyrium chloride; N-(Lauroyl colamino formylmethyl)-pyridinium chloride; N-(Lauroylcolaminoformylmethyl)-pyridinium chloride; NSC-33659; 1-(2-Oxo-2-((2-((1-oxododecyl)oxy)ethyl)amino)ethyl)pyridinium chloride; Pyridinium, 1-(((2-hydroxyethyl)carbamoyl)methyl)-, chloride, laurate; Pyridinium, 1-(2-oxo-2-((2-((1-oxo-dodecyl)oxy)ethyl)-amino)ethyl)-, chloride; Pyridinium, 1-(2-hydroxyethylcarbamoylmethyl)-, chloride, dodecanoate; 1-[[(2-hydroxyethyl)carbamoyl]methyl]pyridinium chloride laurate (ester); N-(lauroylcolaminoformyl-methyl)pyridinium chloride; N-(acylcolaminoformyl-methyl)pyridinium chloride; emulsepr (obsolete); E-607; Emcol E-607. Emollient, emulsifier, conditioner, foamer, cleanser, substantive agent, deodorant for cosmetics, toiletries, industrial applications; hair conditioner; antistat; detergent-germicide. White powder. *CK Witco Chem. Corp.; CK Witco Corp.*

2189 Lard

61789-99-9 H

Lard.

EINECS 263-100-5; Fat, lard; Lard.

2190 Lard oil

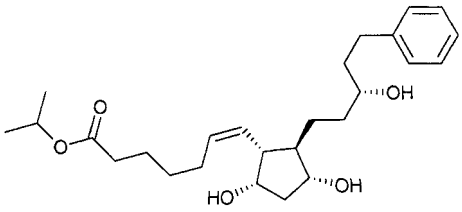
8016-28-2 H

Lard oil.

EINECS 232-405-5; HSDB 5150; Lard oil; Lard oil [Oil, edible]; Oil, lard; Oils, lard.

2191 Latanoprost

130209-82-4 5391 D



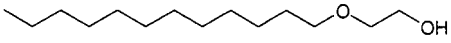
$C_{26}H_{40}O_5$

Isopropyl (Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]-cyclopentyl]-6-heptenoate.

Latanoprost; PhXA 41; XA 41; Xalatan. Prostaglandin used as an antiglaucoma agent. $[\alpha]_D^{20}$ = 31.57° (c = 0.91 CH_3CN). *Kabi Pharmacia Diagnostics; Pharmacia & Upjohn.*

2192 Laureth 4

9002-92-0 7641 D E G



$C_{14}H_{30}O_2$

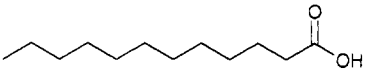
Polidocanol.

40L (polyether); Actinol L 7; Actinol L3; Adeka Carpol M 2; Adeka Carpol MBF 100; Adekatol LA 1275; Aethoxysklerol; Akyporox RLM 22; Akyporox RLM 40; Akyporox RLM 160; Akyporox RLM 230; Aldosperse L 9; Alkasurf LAN 1; Alkasurf LAN 3; Arapol 0712; Atlas G 2133; Atlas G 3705; Atlas G 3707; Atlas G 4829; B 205; Base LP 12; BASE LP 12; BL 9; BL 9 (polyglycol); Brij 22; Brij 23; Brij 30; Brij 30ICl; Brij 30SP; Brij 35; Brij 35L; Brij 36T; Calgene 40L; Carsonol L 2; Carsonol L 3; CCRIS 3397; Chemal LA 23; Chimipal AE 3; Cimagel; Conion 275-100; Conion 275-20; Conion 275-30; Conion 275-80; Conion 2P80; Dodecanol, ethoxylate; Dodecyl alcohol, ethoxylated; Dodecyl alcohol polyoxyethylene ether; α-Dodecyl-ω-hydroxypoly(oxyethylene); α-Dodecyl-ω-hydroxypoly(oxy-1,2-ethanediyl); Du Pont WK; Ethosperse LA 12; Ethosperse LA 23; Ethoxylated lauryl alcohol; G 3707; Glycols, polyethylene, monododecyl ether; HSDB 4351; Hydroxypoly-ethoxydodecane; LA (Alcohol); LA 7; Laureth; Laureth 4; Laureth 9; Laureth 11; Lauromacrogol 400; Lipal 4LA; Lubrol 12A9; Lubrol PX; Marlipal 1217; Mergital LM 11; NCI-C54875; Newcol 1203; Nikkol BL; Noigen ET 160; Noigen ET 170; Noigen YX 500; 3,6,9,12,15,18,21, 24,27-Nonaoxanonatriacontan-1-ol; Noniolite AL 20; PEG-11 Lauryl ether; Pegnol L 12; Polidocanol; Poly(oxy-1,2-ethanediyl), α-dodecyl-

omega-hydroxy-; Polyethylene glycol monododecyl ether; Polyoxyethylene dodecyl mono ether(8Cl); Polyoxyethylene lauryl ether; Rokanol L; Romopal LN; Simulsol P 23; Simulsol P 4; Siponic L; Slovasol S; Standamul LA 2; Stmer 135; Surfactant WK; Texofor B 9; Thesat; Thesit. Emulsifier for emulsion polymerization. FDA approved for topicals, used as an emollient, emulsifier, thickener, and stabilizer. Used in topicals; anti-irritant in deodorant and anti-perspirants. White solid; mp = 40-42°; soluble in H_2O, EtOH, C_7H_8; miscible with hot mineral, natural and synthetic oils, fats and fatty alcohols; LD_{50} (mus orl) = 1170 mg/kg, (mus iv) = 125 mg/kg. *Chem-Y GmbH.*

2193 Lauric acid

143-07-7 5400 E G H



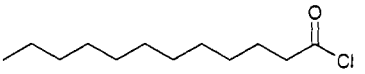
$C_{12}H_{24}O_2$

n-Dodecanoic acid.

4-02-00-01082 (Beilstein Handbook Reference); ABL; AI3-00112; Aliphat No. 4; BRN 1099477; C-1297; C_{12} fatty acid; CCRIS 669; Dodecanoic acid; n-Dodecanoic acid; Dodecoic acid; Dodecylic acid; Duodecylic acid; EINECS 205-582-1; FEMA No. 2614; HSDB 6814; Hydrofol acid 1255; Hydrofol acid 1295; Hystrene 9512; Lauric acid; Laurostearic acid; Neo-fat 12; Neo-fat 12-43; Ninol AA62 Extra; NSC-5026; Philacid 1200; Univol U-314; Vulvic acid; Wecoline 1295. Used in manufacture of alkyd resins, wetting agents, soaps, detergents, cosmetics, insecticides, food additives. Intermediate for manufacturing of toilet soaps, synthetic detergents, cosmetics and pharmaceuticals. Needles; mp = 43.2°; bp_{100} = 225°; d^{20} = 0.8679; insoluble in H_2O, slightly soluble in $CHCl_3$, soluble in Me_2CO, petroleum ether, very soluble in EtOH, MeOH, Et_2O, freely soluble in C_6H_6; LD_{50} (rat orl) ■ 12 g/kg. *Akzo Chemie; Henkel/Emery; Mirachem Srl.; Unichema; Witco/Humko.*

2194 Lauroyl chloride

112-16-3 G



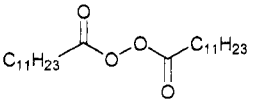
$C_{12}H_{32}OCl$

n-Dodecanoyl chloride.

AI3-52409; Dodecanoic acid, chloride; Dodecanoyl chloride; n-Dodecanoyl chloride; EINECS 203-941-7; HSDB 5567; Lauric acid chloride; Lauroyl chloride. Surfactant, polymerization initiator, antienzyme agent, foamer; synthesis of lauroyl peroxide, sodium lauroyl sarcosinate, other sarcosinates. Liquid; mp = -17°; bp_{18} = 145°; d^{25} = 0.9169; very soluble in Et_2O. *Degussa-Hüls Corp.; Elf Atochem N. Am.; PPG Ind.*

2195 Lauroyl peroxide

105-74-8 G



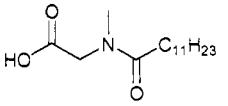
$C_{24}H_{46}O_4$

Dodecanoyl peroxide.

4-02-00-01102 (Beilstein Handbook Reference); Alperox C; Alperox F; BRN 1804936; CCRIS 2455; Dilauroyl peroxide; Dilauryl peroxide; Dodecanoyl peroxide; Dyp-97F; EINECS 203-326-3; HSDB 352; Laurox; Lauroyl peroxide; Laurydol; LYP 97; LYP 97F; NSC 670; Peroxide, bis(1-oxododecyl)-; Peroxide, didodecanoyl; Peroxyde de lauroyle. Initiator for bulk, solution, and suspension polymerization, high-temperature curing of polyester resins, and cure of acrylic syrup. White plates; mp = 49°; insoluble in H_2O, soluble in $CHCl_3$. *Elf Atochem N. Am.*

2196 Lauroyl sarcosine

97-78-9 G



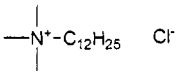
$C_{15}H_{29}NO_3$

N-Methyl-N-(1-oxododecyl)glycine.

Crodasinic L; EINECS 202-608-3; Glycine, N-methyl-N-(1-oxododecyl)-; Hamposyl L; Lauroyl sarcosine; Maprosyl L; N-Lauroyl-N-methylaminoacetic acid; N-Lauroyl sarcosinate; N-Lauroylsarcosine; N-Lauryl-sarcosine; N-Methyl-N-(1-oxododecyl)glycine; NSC 96994; Sarcosine, N-lauroyl-; Sarcosyl L; Sarkosyl; Crodasinic L; Vanseal® LS; Nikkol Sarcosinate LH; Oramix L; N-Methyl-N-(1-oxododecyl) glycine; Sarcosyl® L. Detergent whose properties include mild detergency, high foaming, bacteriostatic activity, enzyme inhibition, corrosion inhibition, hard water tolerance and stability in mildly acid formulations; anionic surfactant used in cosmetics and toiletries, dentrifices and shampoos, carpet shampoos, emulsion polymerization, metal treatment, food and food packaging, textile and fine fabric detergents. Detergent, wetting and foaming agent, foam stabilizer, emulsifier, anticorrosive agent, conditioner for hair and rug shampoos, cosmetics, skin cleansers; biodegradable. White solid. *Chemplex; Ciba Geigy Agrochemicals; Ciba-Geigy Corp.; Croda Surfactants; Grace W.R. & Co.; Hampshire; Nikko Chem. Co. Ltd.; Vanderbilt R.T. Co. Inc.*

2197 Laurtrimonium chloride

112-00-5 G H



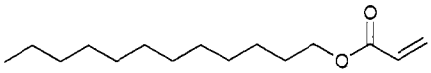
$C_{15}H_{34}ClN$

N-Dodecyl-N,N,N-trimethylammonium chloride.

Adogen® 412; Alicop; Aliquat 4; Ammonium, dodecyltrimethyl-, chloride; Arquad® 12; Arquad® 12-23; Arquad® 12-33; Arquad® 12-37W; Arquad® 12/50; Arquad® 12D; Arquad® MC 50; Catinal LTC 35A; Catiogen L; Cation BB; Cation FB; Dehyquart LT; Dodecyltrimethylammonium chloride; n-Dodecyl-trimethylammonium chloride; N-Dodecyl-N,N,N-tri-methylammonium chloride; DTAC; EINECS 203-927-0; Laurtrimonium chloride; Lauryl trimethyl ammonium chloride; Monolauryltrimethylammonium chloride; Nissan Cation BB; Nissan Cation BB 300; Nissan Cation FB; NSC 6931; Octosol 562; Quartamin 24P; Quartamin 24W; Radiaquat 6465; Redicote E 5; Rewoquat B 18; Rhodaquat M 242C29; Swanol CA 2150; Trimethyldodecylammonium chloride; N,N,N-Trimethyl-1-dodecanaminium chloride; Trimethyllaurylammonium chloride; Varisoft® LAC. A biodegradable emulsifier, foaming, wetting, dispersing agents, corrosion inhibitor, softener, dyeing aid, antistat for textiles, paper, cosmetics; industrial, agriculture, plastics, petrol. industry, acid pickling baths; bactericide, algicide; gel sensitizer for latex foam. Gel sensitizer for latex foam rubber. Base for hair conditioners and cream rinses. Softener for textile, laundry and paper. Solid; mp = 236°. *Akzo Chemie; CK Witco Corp.; Sherex.*

2198 Lauryl acrylate

2156-97-0 G



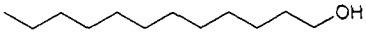
$C_{15}H_{28}O_2$

n-Dodecyl acrylate.

Acrylic acid, dodecyl ester; AI3-03198; Dodecyl acrylate; n-Dodecyl acrylate; EINECS 218-463-4; Lauryl acrylate; n-Lauryl acrylate; NSC 24177; 2-Propenoic acid, dodecyl ester. UV-curable reactive diluent in inks and coatings, adhesives, viscosity index improver, finishing aid for leather. Solid; d^{20}_{20} = 0.884. *Rit-Chem; Sartomer.*

2199 Lauryl alcohol

112-53-8 3439 G H



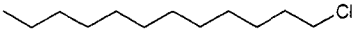
$C_{12}H_{26}O_2$

1-Dodecanol.

4-01-00-01844 (Beilstein Handbook Reference); Adol 10; Adol 11; Adol 12; AI3-00309; Alcohol C12; Alfol 12; BRN 1738860; C12 alcohol; Cachalot® L-50; Cachalot® L-90; CCRIS 662; CO-1214; CO-1214N; CO-1214S; Conol 20P; Conol 20PP; Dodecanol; Dodecan-1-ol; Duodecyl alcohol; Dytol J-68; EINECS 203-982-0; Emery® 3326; Emery® 3332; EPA Pesticide Chemical Code 001509; EPAL 12; Fatty alcohol (C12); FEMA Number 2617; Hainol 12SS; HSDB 1075; Hydroxydodecane; 1-Hydroxydodecane; Karukoru 20; Lauric alcohol; Laurinic alcohol; Lauroyl alcohol; Lauryl 24; Lauryl alcohol; Lorol 5; Lorol 7; Lorol 11; Lorol C 12; Lorol C 12/98; MA-1214; NAA 42; Nacol® 12-96; Nacol® 12-99; NSC 3724; Pisol; S 1298; Siponol 25; Siponol L2; Siponol L5; Sipol L12; Undecyl carbinol; Unihydag Wax 12. Chemical intermediate for detergent manufacture. Used in the manufacture of sulfuric acid esters which are used as wetting agents; synthetic detergents, lube additives, pharmaceuticals, rubber, textiles, perfumes, flavoring agents. Registered by EPA as an insecticide. White solid; mp = 24°; bp = 259°; d24 = 0.8309; soluble in EtOH, Et_2O, C_6H_6, insoluble in H_2O. LD_{50} (rat ori) = 12800 mg/kg. *Amoco Lubricants; Condea Vista Co.; Henkel/Emery; Michel M.; Penta Mfg.; Procter & Gamble Co.; Procter & Gamble Pharm. Inc.; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

2200 Lauryl chloride

112-52-7 H



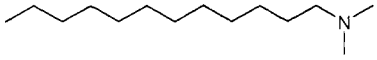
$C_{12}H_{25}Cl$

n-Dodecyl chloride.

1-Chlorododecane; CCRIS 5810; Dodecane, 1-chloro-; Dodecyl chloride; n-Dodecyl chloride; EINECS 203-981-5; Lauryl chloride; NSC 57107. Liquid; mp = -9.6°; bp = 216.3°; d^{20} = 0.7487; insoluble in H_2O, soluble in C_6H_6; very soluble in EtOH, freely soluble in Me_2CO, CCl_4, ligroin.

2201 Lauryldimethylamine

112-18-5 G H



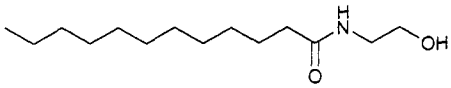
$C_{14}H_{31}N$

N,N-Dimethyl-n-dodecylamine.

ADMA 2; AI3-16726; Antioxidant DDA; Armeen DM-12D; Barlene 125; DDA; DDA (antioxidant); DDA (corrosion inhibitor); Dimethyl lauramine; Dimethyl laurylamine; Dimethyl-n-dodecylamine; 1-Dodecan-amine, N,N-dimethyl-; Dodecylamine, N,N-dimethyl-; Dodecyldimethylamine; EINECS 203-943-8; Empigen AB; Farmin DM 20; Farmin DM 2098; Genamin LA 302D; HSDB 5568; IPL; Lauryldimethylamine; Monolauryl dimethylamine; NSC 7332; Onamine 12; RC 5629. Liquid cationic detergent; corrosion inhibitor; acid stable emulsifier. Used as an intermediate in the synthesis of surfactants, antioxidants, oil and grease additives. Liquid; mp = -20°; d = 0.7870. *Albemarle Corp.; Asahi Denka Kogyo; CK Witco Corp.; Ethicon Inc.; Fluka; Lonzagroup; Mason; Sigma-Aldrich Fine Chem.*

2202 Laurylethanolamide

142-78-9 G H



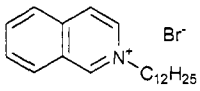
$C_{14}H_{29}NO_2$

N-(2-hydroxyethyl)dodecanamide.

Ablumide LME; Amisol LDE; Amisol LME; CCRIS 4834; Comperlan LM; Copramyl; Crilion LME; Cyclomide LM; Dodecanamide, N-(2-hydroxyethyl)-; EINECS 205-560-1; HSDB 5644; Lauramide MEA; Lauric acid ethanolamide; Lauric acid monoethanolamide; Lauric N-(2-hydroxy-ethyl)amide; Lauridit LM; N-Lauroylethanolamine; Monoethanolamine lauric acid amide; Rewomid® L 203; Rolamid CM; Stabilor CMH; Steinamid L 203; Ultrapole H; Vistalan. Foam stabilizer, thickener for shampoos, bubble baths, liquid detergents, toiletries. Detergent, thickener, foam booster/stabilizer, superfatting agent for detergent preparations; fixation of perfumes; stabilizer of emulsions. *Rewo; Taiwan Surfactants.*

2203 Lauryl isoquinolinium bromide

93-23-2 G



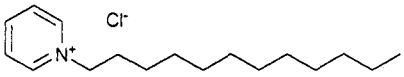
$C_{21}H_{32}BrN$

2-Dodecylisoquinolinium bromide.

Caswell No. 520; Dodecyl isoquinolinium bromide; n-Dodecylisoquinolinium bromide; EINECS 202-230-9; EPA Pesticide Chemical Code 069130; Intexsan LQ75; Isoquinolinium, 2-dodecyl-, bromide; Isothan; Isothan Q-15; Isothan Q-75; Isothan Q-90; Lauryl isoquinolinium bromide; 2-Laurylisoquinolinium bromide; N-Laurylisoquinolinium bromide; NSC 20909. Anti-infective. Use as an antibacterial agent. *MLPC International.*

2204 Laurylpyridinium chloride

104-74-5 G



$C_{17}H_{30}ClN$

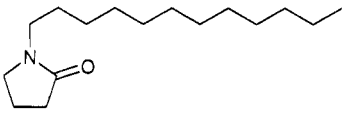
1-Dodecylpyridinium chloride.

AI3-02741; C 2; Dehyquart C; Dehyquart C Crystals; 1-Dodecylpyridinium chloride; N-Dodecylpyridinium chloride; DPC (onium compound); EINECS 203-232-2; Eltren; Laurylpyridinium chloride; 1-Laurylpyridinium chloride; N-Laurylpyridinium chloride; Ledmin LPC; LPC; Newkalgen B 251; NSC 35027; Pyridinium, 1-dodecyl-, chloride; Quaternario LPC; Dehyquart C Crystals; Ledmin LPC. Quaternary ammonium compound; Cationic detergent, dispersing and wetting agent; ingredient of fungicides and bactericides. Used as an emulsifier in creams and lotions; hair conditioners, skin creams; antistat for hair and fiber; bactericide, fungicide, corrosion inhibitor, sequestrant; conditioner used in personal care products. Crystals; mp = 66-70°. *Henkel Surface*

Tech; Henkel/Cospha; Hoechst AG; Lancaster Synthesis Co.

2205 N-Laurylpyrrolidinone

2687-96-9 G



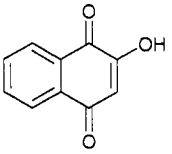
$C_{16}H_{31}NO$

Lauryl pyrrolidone.

5-21-06-00330 (Beilstein Handbook Reference); Agsol Ex 12; BRN 0155011; 1-Dodecyl-2-pyrrolidone; 1-Dodecyl-2-pyrrolidinone; N-Dodecylpyrrolidinone; Lauryl pyrrolidone; 1-Lauryl-2-pyrrolidone; 2-Pyrrolidinone, 1-dodecyl-. Conditioner, foam stabilizer, wetting agent; special solvent for commercial cleaning, textile processing, water-borne coatings, inks; replacement for volatile organic compounds. *ISP; Sigma-Aldrich Fine Chem.*

2206 Lawsone

83-72-7 5410 D G



$C_{10}H_6O_3$

2-Hydroxy-1,4-naphthalenedione.

4-08-00-02360 (Beilstein Handbook Reference); AI3-12099; BRN 1565260; C.I. 75480; C.I. Natural Orange 6; CCRIS 6248; EINECS 201-496-3; Flower of paradise; HANA; Henna; Henna leaves; 2-Hydroxy-1,4-naphthalenedione; 2-Hydroxynaphthoquinone; 2-Hydroxy-1,4-naphthoquinone; 2-Hydroxy-1,4-naptho-quinone; Lawson; Lawsone; *Lawsonia alba*; Mehendi; Mendi; 1,4-Naphthalenedione, 2-hydroxy-; 1,4-Naphthoquinone, 2-hydroxy-; NSC 27285; henna. Egyptian privet; flower of paradise, derived from the leaves and roots of *Lawsonia inermis* or *L. Alba*; used as a dye, and for staining the hair, in medicine as an antifungal agent and an ultra-violet screen. Yellow prisms; dec 195-196°; λm ■ 243, 249, 275, 332 nm (ε = 19500, 21500,17600, 3200 MeOH); very soluble in EtOH, soluble in AcOH, insoluble in Et_2O, C_6H_6, $CHCl_3$.

2207 Lead

7439-92-1 5414 G

Pb

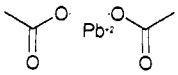
Pb

Lead.

C.I. 77575; C.I. Pigment Metal 4; CCRIS 1581; EINECS 231-100-4; Glover; Haro® Mix CE-701, Haro® Mix CK-711, Haro® Mix MH-204; HSDB 231; KS-4; Lead; Lead element; Lead, elemental; Lead flake; Lead, inorganic; Lead metal; Lead S 2; Olow; Omaha & Grant; Pb-S 100; Plumbum; Rough lead bullion; SSO 1; Haro® Mix CE-701, Haro® Mix CK-711, Haro® Mix MH-204. Lead one-pack system; one-pack lead heat stabilizer systems for rigid PVC applications, UPVC pressure and nonpressure pipes; construction material; radiation protection; alloys; manufacture of pigments. Soft, grey metal; mp = 327°; bp = 1740°. *Harcros; National Lead Co.*

2208 Lead acetate

301-04-2 5415 D G



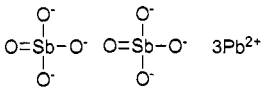
$C_4H_6O_4Pb$

Lead(II) acetate.

Acetate de plomb; Acetic acid, lead salt; Acetic acid, lead(2+) salt; Bleiacetat; Caswell No. 523A; CCRIS 356; Dibasic lead acetate; EINECS 206-104-4; EPA Pesticide Chemical Code 048001; HSDB 1404; Lead acetate; Lead acetate (anhydrous); Lead acetate ($Pb(Ac)_2$); Lead acetate ($Pb(O_2C_2H_3)_2$); Lead di(acetate); Lead diacetate; Lead dibasic acetate; Lead(2+) acetate; Lead(II) acetate; Normal lead acetate; NSC 75797; Plumbous acetate; RCRA waste number U144; sal Saturni; Salt of saturn; Sugar of lead; UN1616; Unichem PBA. Used as a mordant in dyeing of textiles, waterproofing varnishes, insecticides, lead driers, chrome pigments, hair dye, weighting silks. Used as an astringent. [trihydrate]; colorless crystals; mp = 75°; dec. 200°; d = 2.55; soluble in H_2O (62.5 g/100 ml, 25°, 200 g/100 ml, 100°), EtOH (3.3 g/100 ml), freely soluble in glycerol; LD_{50} (rat ip) = 24 mg/kg. *Am. Biorganics; Cerac; Chemetall Chem. products; Hoechst Celanese; Mallinckrodt Inc.*

2209 Lead antimonate

13510-89-9 5416 G



$O_8Pb_3Sb_2$

Lead antimonate(V).

Antimony lead oxide ($Sb_2Pb_3O_8$); Diantimony trilead octaoxide; EINECS 236-845-9; Lead antimonate; Lead antimonate(V); Naples yellow; Paris yellow. An orange-yellow pigment. A mixture of this material with carbonate and chromate of lead is also sold under this name. Cadmium sulfide, CPS, and a pale yellow ocher have been identified by this term; used to stain glass, crockery and porcelain. Insoluble in H_2O.

2210 Lead, [1,2-benzenedicarboxylato(2-)]dioxo-tri-

69011-06-9 G H

$C_8H_4O_6Pb_3$

1,2-Benzenedicarboxylic acid, lead complex.

1,2-Benzenedicarboxylic acid, lead complex; EINECS 273-688-5; Halthal; Lead, (1,2-benzenedicarboxylato(2-))dioxotri-; Lead, (1,2-benzenedicarboxylato(2-))dioxotri-; (Phthalato(2-))dioxotrilead. *Halstab.*

2211 Lead carbonate

1319-46-6 G

CO_3Pb

Basic lead carbonate.

Basic lead carbonate; Basic lead carbonate ($2PbCO_3.Pb(OH)_2$); Berlin white; Carbonic acid, lead salt, basic; Ceruse; Cerussa; C.I. 77597; C.I. pigment white 1; EINECS 215-290-6; Flake lead; Haicarb 20; HSDB 5701; Kremser white; Lead, bis(carbonato(2-))dihydroxytri-; Lead, bis(carbonato)dihydroxytri-; Lead carbonate hydroxide ($Pb_3(OH)_2(CO_3)_2$); Lead hydroxide carbonate; Lead subcarbonate; Silver white; Trilead bis(carbonate) dihydroxide; White lead; White lead, hydrocerussite. Used as a PVC stabilizer. White solid; mp ■ 400° (dec). *Halstab.*

2212 Lead chloride

7758-95-4 5422 G

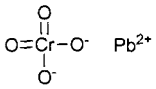
Cl_2Pb

Hydrochloric acid lead salt.

CCRIS 7565; EINECS 231-845-5; HSDB 6309; Lead chloride; Lead (II) chloride; Lead chloride ($PbCl_2$); Lead dichloride; Lead(2+) chloride; Leclo; Plumbous chloride. Used in pigments, solders and flux. White crystalline powder; d ▪ 5.85; mp = 501°; bp = 950°; soluble in H_2O, NH_4Cl, NH_4NO_3; MLD (guinea pig orl) = 1.5-2.0 g/kg. *Mechema Chemicals Ltd.*

2213 Lead chromate

7758-97-6 5423 G



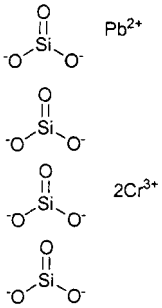
CrO_4Pb

Lead chromate(VI).

CCRIS 357; Chromate de plomb; Chrome yellow; Chromic acid, lead(2+) salt (1:1); C.I. Pigment Yellow 34; C.I. 77600; Cologne Yellow; EINECS 231-846-0; HSDB 1650; King's yellow; Lead chromate; Lead chromate ($PbCrO_4$); Lead chromate(VI); Leipzig yellow; Paris yellow; Phoenicochroite; Plumbous chromate. Is known as chrome green. It dyes chromed wool green, also used in cotton printing. The name has also been used for various other pigments. Orange-yellow powder; mp ▪ 844°; d = 6.3; generally insoluble; LD_{75} (gpg ip) = 156 mg/kg.

2214 Lead chromate silicate

11113-70-5 H

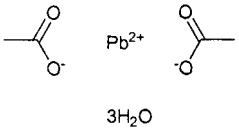


Silicic acid, chromium lead salt.

EINECS 234-347-6; Lead chromate silicate; Silicic acid, chromium lead salt.

2215 Lead diacetate

6080-56-4 G



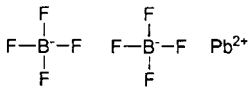
$C_4H_6O_4Pb.3H_2O$

Lead(II) acetate trihydrate.

Acetic acid, lead(+2) salt trihydrate; Bis(acetato)-trihydroxytrilead; Bleiazetat; Lead acetate (II), trihydrate; Lead acetate trihydrate; Lead diacetate trihydrate; Lead(II) acetate trihydrate. Anhydrous form [301-04-2]. Solid; mp = 75°, d = 2.55; soluble in H_2O (630 mg/ml), poorly soluble in organic solvents; LD_{50} (rat ip) = 150 mg/kg.

2216 Lead fluoborate

13814-96-5 G

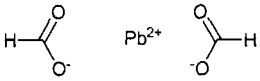


B_2F_8Pb

Borate(1-), tetrafluoro-, lead (2+); Borate(1-), tetrafluoro-, lead (2+) (2:1); EINECS 237-486-0; HSDB 1991; Lead bis(tetrafluoroborate); Lead borofluoride; Lead boron fluoride; Lead fluoborate; Lead fluoroborate; Lead fluoroborate ($Pb(BF_4)_2$); Lead fluoroborate solution; Lead tetrafluoroborate; Lead tetrafluoroborate ($Pb(BF_4)_2$); Lead(II) tetrafluoroborate. Salt for electroplating lead. *Atomergic Chemetals; Elf Atochem N. Am.; Hoechst Celanese; M&T Harshaw.*

2217 Lead formate

811-54-1 5427 G



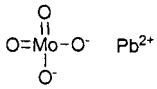
$C_2H_2O_4Pb$

Formic acid lead salt.

EINECS 212-371-8; Formic acid, lead(2+) salt; Lead diformate; Lead formate; Lead formate ($Pb(HCO_2)_2$); Lead(2+) formate; NSC 112233; Ledfo. Solid; d = 4.63; dec. at 190°; soluble in water; insoluble in alcohol. *Mechema Chemicals Ltd.*

2218 Lead molybdate

10190-55-3 5430 G



MoO_4Pb

Molybdic acid lead salt.

EINECS 233-459-2; Lead molybdate; Lead molybdate(VI); Lead molybdenum oxide ($PbMoO_4$). Used in analytical chemistry and in pigments. Yellow powder; insoluble in H_2O; soluble in HNO_3, NaOH. *AAA Molybdenum; Atomergic Chemetals; Cerac.*

2219 Lead monoxide

1317-36-8 5431 G

Pb=O

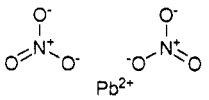
OPb

Lead(II) oxide.

C.I. 77577; C.I. Pigment Yellow 46; EINECS 215-267-0; HSDB 638; Lead monooxide; Lead monoxide; Lead oxide; Lead oxide (PbO); Lead Oxide Yellow; Lead protoxide; Lead(2+) oxide; Lead(II) oxide; Litharge; Litharge Pure; Litharge Yellow L-28; Massicot; Massicotite; NSC 57634; Plumbous oxide; Vulcaid; Yellow Lead Ocher; Massicot; Lead Oxide yellow; plumbous oxide; Lead protoxide. Obtained as a by-product in silver refining; has a more reddish color than Massicot, which is made by roasting lead. Used in pigments and as a vulcanizing agent. Red-yellow crystals; mp = 886°; bp = 1470°; d = 9.5300; LD_{40} (rat ip) = 40 mg Pb/100 g). *National Lead Co.*

2220 Lead nitrate

10099-74-8 5432 G



N_2O_6Pb

Lead(II) nitrate.

CCRIS 1945; EINECS 233-245-9; HSDB 637; Lead dinitrate; Lead nitrate ($Pb(NO_3)_2$); Lead(2+) nitrate; Lead(II) nitrate; Ledni; Nitrate de plomb; Nitric acid, lead(2+) salt; Plumbous nitrate; UN1469. Used as a mordant for dyeing and printing textiles and staining mother of pearl, matches, oxidizer in dye industry, sensitizer for photography, explosives, tanning, process engraving, lithography. White translucent crystals; mp = 470°; d = 4.5300; soluble in H_2O, EtOH, MeOH, insoluble in concentrated HNO_3; toxic. *Blythe, Williams Ltd.; Cerac; Mallinckrodt Inc.; Noah Chem.; Spectrum Chem. Manufacturing.*

2221 Lead peroxide

1309-60-0 5425 G

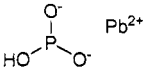
PbO_2

Lead(IV) oxide.

Bioxyde de plomb; C.I. 77580; CCRIS 6254; EINECS 215-174-5; HSDB 4335; Lead Brown; Lead dioxide; Lead oxide; Lead oxide (PbO_2); Lead Oxide Brown; Lead peroxide; Lead peroxide (PbO_2); Lead superoxide; Lead(IV) oxide; Lepro; LP-100; Peroxyde de plomb; UN1872. Catalyst/curing agent for polysulfide, low molecular weight butyl and polyisoprene rubber; oxidizer in manufacture of dyes and to control burning rate of incendiary fuses or pyrotechnics. Dark brown powder; d ■ 9.38; insoluble in H_2O, LD_{50} (gpg ip) = 200 mg/kg. *Eagle-Picher; Mechema Chemicals Ltd.; National Lead Co.*

2222 Lead phosphite

12141-20-7 G



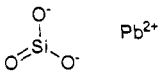
HO_3PPb

Lead phosphite dibasic.

Dibasic lead phosphite; EINECS 235-252-2; Halphos; Lead oxide phosphite; Lead oxide phosphonate ($Pb_3O_2(HPO_3)$); Trilead dioxide phosphonate. A heat/light stabilizer used with PVC. *Halstab.*

2223 Lead silicate

10099-76-0 G



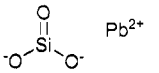
O_3PbSi

Lead(II) metasilicate.

BSWL 202; EINECS 233-246-4; Lead metasilicate ($PbSiO_3$); Lead monosilicate; Lead silicate ($PbSiO_3$); Lead silicon oxide ($PbSiO_3$); Lead silicon trioxide; Lead(2+) silicate. Basic silicate white lead; white pigment acting as heat stabilizer for chlorinated polyethylene, chlorosulfonated polyethylene, PVC, and polyepi-chlorohydrin; rust-inhibitive pigment in the automobile industry; used industrial or maintenance paints. Used in ceramics, fireproofing fabrics, paints, electrode position process in the automotive industry. Solid; mp = 680-730°; d = 6.50. *Eagle-Picher; Hammond Lead Products.*

2224 Lead silicate

11120-22-2 H



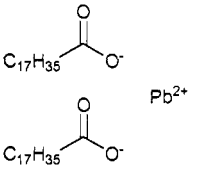
O_3PbSi

Silicic acid, lead salt.

EINECS 234-363-3; EP 202 (silicate); Lead silicate; Silicic acid, lead salt; Stabinex S.

2225 Lead stearate

1072-35-1 5437 G



$C_{36}H_{70}O_4Pb$

Lead(II) n-octadecanoate.

5002G; EINECS 214-005-2; Lead distearate; Lead stearate; Lead(2+) octadecanoate; Lead(2+) stearate; Lead(II) octadecaoate; Lead(II) stearate; Listab 28ND; Octadecanoic acid, lead(2+) salt; P-51; SL 1000 (stabilizer); Stabinex NC18; Stearic acid, lead(2+) salt. Used in extreme pressure lubricants, as a dryer in varnishes and as a heat stabilizer for PVC. Solid; mp = 125°; insoluble in H_2O, slightly soluble in EtOH. *Goodrich B.F. Co. Europe; Goodrich B.F. Co.; Ore & Chem.; Syn Prods.; Vanderbilt R.T. Co. Inc.*

2226 Lead subacetate

1335-32-6 5438 G

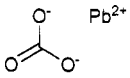
$C_4H_{10}O_8Pb_3$

Monobasic lead acetate.

Basic lead acetate; Bis(acetato)dihydroxytrilead; Bis-(acetato)tetrahydroxytrilead; BLA; CCRIS 68; EINECS 215-630-3; HSDB 1651; Lead acetate, basic; Lead, bis(acetato-O)tetrahydroxytri-; Lead, bis(acetato)tetra-hydroxytri-; Lead monosubacetate; Lead subacetate; Monobasic lead acetate; RCRA waste number U146; Subacetate lead. Used as a decolorizing agent. Crystals; soluble in H_2O (6.2-25.0 g/100 ml).

2227 Lead subcarbonate

598-63-0 5442 G



$2PbCO_3 \cdot Pb(OH)_2$

Carbonic acid, lead(2+) salt (1:1).

Carbonic acid, lead(2+) salt (1:1); Cerussete; Cerussite; Dibasic lead carbonate; EINECS 209-943-4; HSDB 1649; Lead carbonate; Lead carbonate ($PbCO_3$); Lead(2+) carbonate; Plumbous carbonate; White lead. Exterior paint pigment, ceramic glazes. White solid; mp = 125°; insoluble in H_2O, slightly soluble in EtOH. *Halstab.*

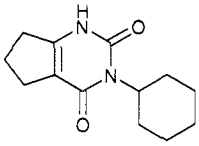
2228 Lecithin

8002-43-5 5447 D E G

L-α-phosphatidyl choline.
Alcolec® Granules; Asol; Capcithin™; Capsulec 51-SB; Capsulec 51-UB; Capsulec 56-SB; Capsulec 56-UB; Capsulec 62-SB; Capsulec 62-UB. Yolk powder. Mixture of the diglycerides of stearic, palmitic and oleic acids linked to the choline ester of phosphoric acid; found in plants and animals; R and R' are fatty acid groups; edible surfactant and emulsifier for food use, pharmaceuticals, cosmetics, leather treatment, textiles. FDA GRAS; USDA 0.5% maximum in oleomargarine, Japan, UK approved, Europe listed, FDA approved for orals, topicals, USP/NF compliance. In the FDA list of inactive ingredients, (inhalations, im and iv injectables, oral capsules, suspensions and tablets, rectals, topicals and vaginals). Used as an edible surfactant, emulsifier, stabilizer, solubilizer, wetting agent, emollient for pharmaceuticals; used in liposome technology, orals, topicals; nutritional in gel capsules and tablet form; binding agent in tableting; choline source in dementia. Solid; d^{24}= 1.0305; insoluble in H_2O, soluble in $CHCl_3$, Et_2O, petroleum ether, mineral oils and fatty acids. Generally non-toxic. *ADM Lecithin; Am. Lecithin; Am. Roland; Anstead D. F.; CanAmera Foods; Central Soya; Cleary W. A.; Duphar BV; Great Western; Greef K & K; Grunau; Hatrick A. C.; Landers-Segal Color; Meyer Lucas; Penta Mfg.; Quest UK; Reichold; Rhône-Poulenc; Riken; Ruger; Sibner-Hegner; Solvay Duphar Labs Ltd.; Spectrum Chem. Manufacturing; Spice King; Stern-France; U.S. BioChem.; Varno Mills; Westin.*

2229 Lenacil

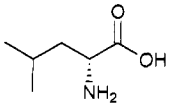
2164-08-1 5455 G P



$C_{13}H_{18}N_2O_2$
3-Cyclohexyl-6,7-dihydro-1H-cyclopentapyrimidine-2,4(3H,5H)-dione.
5-24-07-00375 (Beilstein Handbook Reference); Adol; Adol (pesticide); BRN 0751331; Buracyl; Caswell No. 525A; CCRIS 1936; 3-Cyclohexyl-1,5,6,7-tetrahydro-cyclopentapyrimidine-2,4(3H)-dione; 3-Cyclohexyl-5,6-trimethylenuracil; 3-Cyclohexyl-5,6-trimethyleneuracil; 3-Cyclohexyl-6,7-dihydro-1H-cyclopentapyrimidine-2,4(3H,5H)-dione; 31H-Cyclopentapyrimidine-2,4(3H, 5H)-dione, 3-cyclohexyl-6,7-dihydro-; 1H-Cyclopenta-pyrimidine-2,4(3H,5H)-dione, 6,7-dihydro-3-cyclohexyl-; 6,7-Dihydro-3-cyclohexyl-1H-cyclopentapyrimidine-2,4(3H,5H)-dione; Du Pont 634; EINECS 218-499-0; Elbatan; EPA Pesticide Chemical Code 525200; Experimental herbicide 634; Herbicide 634; Hexilure; Lenacil; Lenacile; Uracil 634; Venzar; Vizor. Selective herbicide, inhibits photosynthesis. Used for control of annual grass and broad-leaved weeds in a variety of crops. Wettable powder containing 80% lenacil; used for control of annual dicotyledons and meadow grass in beet, fruit herbaceous perennials. Crystals; mp = 315-317°; sg = 1.32; soluble in H_2O (6 mg/l), more soluble in organic solvents; LD_{50} (rat orl) > 11000 mg/kg. *Chemolimpex; DuPont UK; DuPont; Fahlberg-List; Farm Protection Ltd.; ICI Chem. & Polymers Ltd.*

2230 Leucine

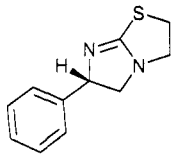
61-90-5 5470 G



$C_6H_{13}NO_2$
l-Leucine.
AI3-08899; α-aminoisocaproic acid; (S)-2-Amino-4-methylpentanoic acid; 2-Amino-4-methylpentanoic acid (L); 2-Amino-4-methylpentanoic acid, (S)-; α-amino-γ-methylvaleric acid; (S)-2-Amino-4-methylvaleric acid; 2-amino-4-methyl-valeric acid; 2-Amino-4-methylvaleric acid (L); EINECS 200-522-0; FEMA No. 3297; L; Leu; Leucin; Leucina; Leucine; L-Leucine; Leucine, L-; (S)-Leucine; Leucinum; L-Norvaline, 4-methyl-; NSC 46709; Pentanoic acid, 2-amino-4-methyl-, (S)-; Valeric acid, 2-amino-4-methyl-, (S)-. Nutrient and dietary supplement, biochemical research. Sublimes at 145-148°; mp 293-295° (dec); d = 1.293; $[\alpha]_D^{25}$= -10.8°; pKa (25°) = 9.6; soluble in water, alcohol, acetic acid, insoluble in ether. *Degussa AG; Greeff R.W. & Co.; Nippon Rikagakuyakuhin; Tanabe U.S.A. Inc.; U.S. BioChem.*

2231 Levamisole

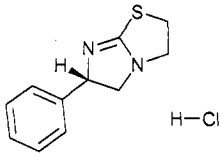
14769-73-4 5480 D G



$C_{11}H_{12}N_2S$
(-)-2,3,5,6-Tetrahydro-6-phenylimidazol[2,1-b]thiazole.
EINECS 238-836-5; Ergamisol; Ketrax; Lepuron; Levamisol; Levamisole; Levamisolum; Levomysol; Levovermax; Totalon; Vermisol 150; Wormicid.; tetramisole [as DL-form]; tetramizole [as DL-form]; dexamisole [as D(+)-form]. Immunomodulator with anthelmintic activity (targets nematodes). Crystals; mp = 60-61.5°; $[\alpha]_D^{25}$= -85.1° (c = 10 $CHCl_3$); [DL-form]: mp = 87-89°; [D-(+)-form]: mp = 60-61.5°; $[\alpha]_D^{25}$= 85.1° (c ■ 10 $CHCl_3$). *Am. Cyanamid; Bayer Corp. Pharm. Div.; ICI; ICI Chem. & Polymers Ltd.; Janssen Pharm. Inc.; McNeil Pharm.*

2232 Levamisole hydrochloride

16595-80-5 5480 D G V

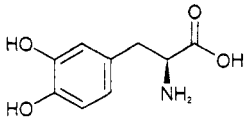


$C_{11}H_{12}N_2SCl$
(S)-2,3,5,6-tetrahydro-6-phenylimidazo[2,1-b]thiazole hydrochloride.
Ascaridil; Citarin L; Decaris; Dekaris; DRG-0245; EINECS 240-654-6; Ergamisol; Imidazo(2,1-b)thiazole, 2,3,5,6-tetrahydro-6-phenyl-, monohydrochloride, (-)-; Imidazo-(2,1-b)thiazole, 2,3,5,6-tetrahydro-6-phenyl-, mono-hydrochloride, L-(-)-; Imidazo(2,1-b)thiazole, 2,3,5,6-tetrahydro-6-phenyl-, monohydrochloride, (S)-; KW-2-LE-T; KW 2LE-T; L-(-)-2,3,5,6-Tetrahydro-6-phenyl-imidazo-(2,1-b)thiazole hydrochloride; Levacide; Levadin; Leva-misole hydrochloride; Levasole; Levomysol hydro-chloride; Megium; Nemicide; Nilverm forte; Niratic hydrochloride; Niratic-puron hydrochloride; NSC-177023; R 12,564; Ripercol-L; Solaskil; Spartakon; Stimamizol hydrochloride; (-)-2,3,5,6-Tetrahydro-6-phen-ylimidazo(2,1-b)thiazole monohydrochloride; Tetramisole hydrochloride; Tramisol®; Tramisole; Worm-chek. Immunomodulator with anthelmintic activity (targets nematodes). Used as a veterinary anthelmintic. Crystals; mp ■ 227-229°; $[\alpha]_D^{20}$= -124° ± 2° (c = 0.9 H_2O); soluble in H_2O; [DL-form]: mp = 264-265°; soluble in H_2O (21 g/100 ml), MeOH, propylene glycol; sparingly soluble in EtOH, $CHCl_3$, C_6H_{14}, Me_2CO;

LD_{50} (mus iv) = 22 mg/kg, (mus sc) = 84 mg/kg, (mus orl) = 210 mg/kg, (rat iv) = 24 mg/kg, (rat sc) ■ 130 mg/kg, (rat orl) = 480 mg/kg; [D-(+)-form]: mp = 227-227.5°; $[\alpha]_D^{20}$= 125° (c = 0.7 H_2O). *Am. Cyanamid; Bayer Corp. Pharm. Div.; ICI; Janssen Pharm. Inc.; McNeil Pharm.*

2233 Levodopa

59-92-7 5485 D G



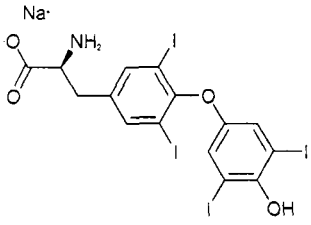
$C_9H_{11}NO_4$

L-3-(3,4-Dihydroxyphenyl)-L-alanine.

Alanine, 3-(3,4-dihydroxyphenyl)-, (-)-; Alanine, 3-(3,4-dihydroxyphenyl)-, L-; 2-Amino-3-(3,4-dihydroxy-phenyl)propanoic acid; Bendopa; Biodopa; Brocadopa; CCRIS 3766; Cerepap; Cerepar; Cidandopa; DA; Deadopa; Dihydroxy-L-phenylalanine; (-)-3-(3,4-Dihydroxyphenyl)-L-alanine; β-(3,4-Dihydroxyphenyl)-α-L-alanine; β-(3,4-Dihydroxyphenyl)-L-alanine; L-(o-Dihydroxyphenyl)alanine; L-β-(3,4-Dihydroxyphenyl)-α-alanine; L-β-(3,4-Dihydroxyphenyl)alanine; L-3-(3,4-Dihydroxyphenyl)alanine; L-O-Dihydroxyphenylalanine; 3,4-Dihydroxy-L-phenylalanine; 3,4-Dihydroxyphenyl-L-alanine; 3,4-Dihydroxyphenylalanine; (-)-Dopa; L-(-)-Dopa; L-Dopa; Dopaflex; Dopaidan; Dopal; Dopal-fher; Dopalina; Dopar; Doparkine; Dopari; Dopasol; Dopaston; Dopaston SE; Dopastral; Doprin; EINECS 200-445-2; Eldopal; Eldopar; Eldopatec; Eurodopa; Helfo-dopa; HSDB 3348; 3-Hydroxy-L-tyrosine; Insulamina; L-O-Hydroxytyrosine; 3-Hydroxy-L-tyrosine; Larodopa; Levodopa; Levodopum; Levopa; Madopa; Maipedopa; NSC 118381; Pardopa; Prodopa; Ro 4-6316; Sinemet; Sobiodopa; Syndopa; L-Tyrosine, 3-hydroxy-; Veldopa.; component of: Madopa, Sinemet. Naturally occurring isomer of dopa, the biological precursor of catecholamine. Used to treat Parkinson's disease. Crystals; mp = 276-278° (dec), 284-286°; $[\alpha]_D^{13}$= -13.1° (c = 5.12 in 1N HCl); λ_m = 220.5, 280 nm (log ε 3.79, 3.42 0.001N HCl); soluble in H_2O (0.165 g/100 ml); insoluble in EtOH, C_6H_6, EtOAc, $CHCl_3$; LD_{50} (mus orl) = 3650 mg/kg, (rat orl) ■ 4000 mg/kg, (rbt orl) ■ 609 mg/kg. *DuPont-Merck Pharm.; Hoffmann-LaRoche Inc.; ICN Pharm. Inc.; Lemmon Co.; Roberts Pharm. Corp.; SmithKline Beecham Pharm.*

2234 Levothyroxine sodium

55-03-8 9491 D



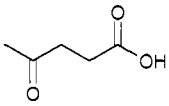
$C_{15}H_{10}I_4NNaO_4$

O-(4-Hydroxy-3,5-diiodophenyl)-3,5-diiodo-L-tyrosine monosodium salt.

Dathroid; EINECS 200-221-4; Eltroxin; Euthyrox; Laevoxin; Letter; Levaxin; Levo-T; Levoroxine; Levo-throid; Levothyrox; Levothyroxin-natrium; Levothyroxine sodique; Levothyroxine sodium; Levothyroxinum natricum; Levotiroxina sodica; Levoxyl; NSC 259940; Oroxine; Ro-thyroxine; Roxstan; Sodium l-thyroxin; Sodium-L-thyroxine; Sodium levothyroxine; Sodium thyroxin; Sodium thyroxinate; Sodium thyroxine; Synthroid sodium; Tetroid; Thyradin S; Thyro-Tabs; Thyronamin; Thyroxevan; Thyroxin sodium; Thyroxine sodique; Thyroxine sodium; Thyroxinum natricum. Thyroid hormone. Sodium salt of the amino acid L-thyroxine. Obtained from thyroid gland of domesticated animals or synthesized. Used in treatment of hyperthyroidism. Cream-colored powder; d_4^{20}= 2.381; $[\alpha]_D^{20}$= -4.4° (c = 3 70% EtOH); soluble in H_2O (0.015 g/100 ml), soluble in aq. acid and alkaline solutions, EtOH, slightly soluble in $CHCl_3$, Et_2O, pH of satd. aq. solution = 8.35 - 9.35. *Astra USA Inc.; Forest Pharm. Inc.; Knoll Pharm. Co.*

2235 Levulinic acid

123-76-2 5492 G



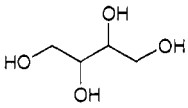
$C_5H_8O_3$

γ-Ketovaleric acid.

4-03-00-01560 (Beilstein Handbook Reference); Acetopropionic acid; β-Acetylpropionic acid; 3-Acetylpropionic acid; 3-Acetylpropionsaeure; 3-Acetylpropionsäure; Acidum laevulinicum; AI3-03377; BRN 0506796; EINECS 204-649-2; FEMA No. 2627; 3-Ketobutane-1-carboxylic acid; γ-Ketovaleric acid; 4-Ketovaleric acid; Laevulic acid; Laevulinic acid; LEVA; Levulic acid; Levulinic acid; Levulinsaeure; Levulinsäure; NSC 3716; 4-Oxopentanoic acid; 4-Oxopentansaeure; 4-Oxopentansäure; 4-Oxovaleric acid; Pentanoic acid, 4-oxo-; Propionic acid, 3-acetyl-; USAF CZ-1; Valeric acid, 4-oxo-; 4-oxopentanoic acid; levulic acid. Intermediate for plasticizers, solvents, reins, flavors, pharmaceuticals, acidulant, and preservative; chrome plating; solder flux; stabilizer for calcium greases; control of lime deposits. Plates; mp ■ 33°; bp = 245° (dec); d^{20} = 1.1335; λ_m ■ 256 nm (ε 32); soluble in $CHCl_3$, freely soluble in H_2O, EtOH, Et_2O. *Chemie Linz N. Am.; Lancaster Synthesis Co.; Otsuka Pharm. Co. Ltd.; Penta Mfg.*

2236 Lichen sugar

149-32-6 3708 G



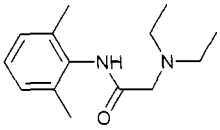
$C_4H_{10}O_4$

Erythritol.

Antierythrite; 1,2,3,4-Butanetetrol, (2R,3S)-rel-; 1,2,3,4-Butanetetrol, (R*,S*)-; C*Eridex; CCRIS 7901; EINECS 205-737-3; Erythrit; Erythritol; L-Erythritol; Erythritol, meso-; meso-Erythritol; Erythrol; NIK 242; NSC 8099; Paycite; Phycitol. Crystals; mp = 121.5°; bp = 330.5°; d^{20} = 1.451; $[\alpha]_D$= +11.1° (c = 5, EtOH), -4.4° (C = 5, H_2O); soluble in H_2O, slightly soluble in Et_2O, C_6H_6; LD_{50} (dog iv) = 5.0 g/kg.

2237 Lidocaine

137-58-6 5503 D G



$C_{14}H_{22}ON_2$

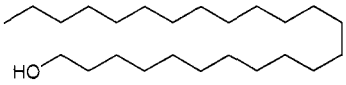
α-Diethylaminoaceto-2,6-xylidide.

4-12-00-02538 (Beilstein Handbook Reference); Anestacon; BRN

2215784; Cappicaine; Cito optadren; Cracked Heel Relief Cream; Cuivasil; Dalcaine; Duncaine; EINECS 205-302-8; Emla Cream; Esracaine; Gravocain; HSDB 3350; Isicaina; Isicaine; L-Caine; Leostesin; Lida-Mantle; Lidaform HC; Lidamantle-HC; Lidocaina; Lidocaine; Lidocainum; Lidothesin; Lignocaine; Lignocainum; Maricaine; Neosporin Plus; NSC 40030; Rucaina; Solarcaine; Solcain; Xilina; Xilocaina; Xycaine; Xylestesin; Xylocain; Xylocaine; Xylocitin; Xylocitin; Xyloneural; Xylotox. Used medically as a local anesthetic and antiarrhythmic (class IB). Crystals; mp = 68-69°; bp_4 = 180-182°, bp_2 ▪ 159-160°; soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$; insoluble in H_2O. *Alcoa Ind. Chem.; Astra USA Inc.; Bayer Corp.; Glaxo Wellcome Inc.; Greeff R.W. & Co.; Schering-Plough Animal Health; Schering-Plough Pharm.*

2238 Lignoceryl alcohol

506-51-4 H



$C_{24}H_{50}O$

1-Tetracosanol.

EINECS 208-043-9; HSDB 5674; Lignoceric alcohol; Lignocerol; Lignoceryl alcohol; NSC 93768; Tetracosanol; 1-Tetracosanol; n-Tetracosanol; Tetracosyl alcohol.

2239 Ligroin

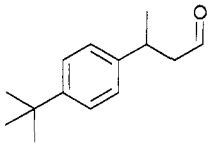
8032-32-4 5510 H P

Ligroin.

Benzine; Benzine (light petroleum distillate); Benzoline; BP 2; BP 2 (solvent); Canadol; EINECS 232-453-7; Isoparaffinic hydrocarbons; Ligroin; Ligroine; Mineral spirits; Naphtha, ligroine; Naphtha, varnish makers' and painters'; Painters' naphtha; Petroleum ether; Refined solvent naphtha; Skellysolve F; Skellysolve G; V.M. and P. naphtha; Varnish makers' and painters naphtha; Varnish makers' naphtha; Varnish makers' naphtha and painters' naphtha; Varnish marker's naphtha; VM & P naphtha; VM and P Naphtha. Registered by EPA as an insecticide and herbicide (cancelled). Mobile, flammable liquid; bp = ca. 145°; $d^{15.6}_{15.6}$ = 0.850 - 0.870. *Sigma-Aldrich Co.*

2240 Lilial®

80-54-6 H



$C_{14}H_{20}O$

p-t-Butyl-α-methylhydrocinnamaldehyde.

4-07-00-00802 (Beilstein Handbook Reference); AI3-36196; Benzenepropanal, 4-(1,1-dimethylethyl)-α-methyl-; BRN 0880140; EINECS 201-289-8; Hydrocinnamaldehyde, p-t-butyl-α-methyl-; Lilial; Lilyal; NSC 22275. Used as a fragrance. *Givaudan.*

2241 Lime nitrogen

156-62-7 1663 G

$N\equiv C-N^{2-}$ Ca^{2+}

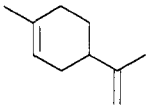
$CaCN_2$

Calcium cyanamide.

Aero-cyanamid; Aero cyanamid granular; Aero cyanamid special grade; AI3-28780; Alzodef; Calcii carbimidum; Calcium carbimide; Calcium cyanamide; Calciumcarbimidum; Carbimida calcica; Carbimide calcique; Carbodimid calcium; Caswell No. 140; CCRIS 118; CY-L 500; Cyanamide calcique; Cyanamide, calcium salt (1:1); Dormex; EINECS 205-861-8; EPA Pesticide Chemical Code 014001; HSDB 1328; Lime nitrogen; NCI-C02937; Nitrogen lime; Nitrolime; NSC 7078; Perika; UN1403; USAF CY-2. Used as a fertilizer, nitrogen products, pesticide, hardening iron and steel. Solid; mp approx. 1340°; d^{20} = 2.29; insoluble in H_2O (reacts). *Am. Cyanamid.*

2242 d-Limonene

5989-27-5 G H



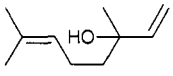
$C_{10}H_{16}$

1-Methyl-4-(1-methylethenyl)cyclohexene, (R)-.

AI3-15191; Biogenic SE 374; Carvene; CCRIS 671; Citrene; Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-; EC 7; EINECS 227-813-5; FEMA No. 2633; Glidesafe; Glidsafe; HSDB 4186; Kautschiin; Limonene, (+)-; Limonene, D-; d-(+)-Limonene; d-Limonene; d-Limoneno; D-(+)-Limonene; D-Limonene; NCI-C55572; p-Mentha-1,8-diene, (R)-(+)-; d-p-Mentha-1,8-diene; 1-Methyl-4-(1-methylethenyl)cyclohexene, (R)-; Refchole. Terpene; used in flavoring, as a fragrance, and in perfume materials, solvents, as a wetting agent and in resin manufacture. Liquid; mp ▪ -74.3°; bp = 178°; d^{20} ▪ 0.8411; $[\alpha]_D^{20}$= +125.6°; λ_m ▪ 220, 250 nm (ε ▪ 257, 23, isooctane); insoluble in H_2O, soluble in CCl_4, freely soluble in EtOH, Et_2O. *Allchem Ind.; IFF; Langley Smith Ltd.; Penta Mfg.; SCM Glidco Organics.*

2243 Linalool

78-70-6 5517 G H



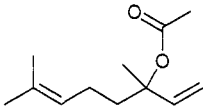
$C_{10}H_{18}O$

3,7-Dimethyl-1,6-octadien-3-ol.

0-01-00-00462 (Beilstein Handbook Reference); AI3-00942; allo-Ocimenol; BRN 1721488; Caswell No. 526A; CCRIS 3726; EINECS 201-134-4; EINECS 245-083-6; EPA Pesticide Chemical Code 128838; FEMA Number 2635; HSDB 645; Linalol; Linalool; (±)-Linalool; β-Linalool; p-Linalool; Linalool 95; Linalool ex bois de rose oil; Linalool ex ho oil; Linalool ex orange oil; Linalyl alcohol; NSC 3789; Phantol; One of the principal components of bergamot or french lavender. Pure linalool. Used in perfumery. Registered by EPA as an insecticide. Colorless liquid; bp_{720} ▪ 194-197°, bp_{14} = 89-91°; d = 0.868; soluble in EtOH, Et_2O, fixed oils, propylene glycol, insoluble in glycerin, H_2O. LD_{50} (rat orl) = 2790 mg/kg. [l form]: bp = 198°. bp_{25} = 98-98.3°, bp_{14} = 86-87°; d^{20} = 0.8622; $[\alpha]_D^{20}$= -20.1°. [d form]: bp ▪ 198-200°, bp_{26} ▪ 114-114.5°, $bp_{15.5}$ = 93-94°, bp_{12} = 86°; d_4^{20}= 0.8733; $[\alpha]_D^{20}$= +19.3°. *BASF Corp.; Bush Boake Allen; IFF; Florida Treatt; Sigma-Aldrich Fine Chem.*

2244 Linalyl acetate

115-95-7 5518 G H



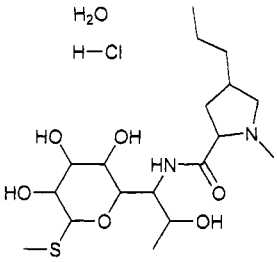
$C_{12}H_{20}O_2$

3,7-Dimethyl-1,6-octadien-3-yl acetate.

Acetic acid linalool ester; AI3-00941; Bergamiol; Bergamol; Bergamot mint oil; Dehydrolinalool, acetate; 3,7-Dimethyl-1,6-octadien-3-yl acetate; EINECS 204-116-4; EINECS 254-806-4; Ex bois de rose (synthetic); FEMA No. 2636; HSDB 644; Licareol acetate; Linalol acetate; Linalool acetate; Lynalyl acetate; NSC 2138; 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate; Phanteine. Found in volatile oils such as bergamot and lavendar oils. Used in perfumery. Liquid; bp ■ 220°; d_4^{20}= 0.895; insoluble in H_2O, soluble in organic solvents. *Bush Boake Allen; IFF.*

2245 Lincomycin hydrochloride monohydrate

7179-49-9 5522 D G



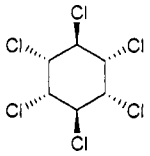
$C_{18}H_{34}N_2O_6S.HCl.H_2O$

Methyl 6,8-dideoxy-6-*trans*-(1-methyl-4-propyl-L-2-pyrrolidinecarboxamido)-1-thio-D-erythro-α-D-galactooctopyranoside hydrochloride monohydrate.

Albiotic; Cillimycin; Frademicina; Lincocin [as hemihydrate]; Lincomix; Lincomycin hydrochloride; Lincomycin, hydrochloride hydrate; Lincomycin hydrochloride monohydrate; Mycivin; NSC 70731; Waynecomycin. Antibacterial. White powder; mp = 145-147°; $[\alpha]_D^{25}$= 137° (H_2O); freely soluble in H_2O, MeOH, EtOH; sparingly soluble in most organic solvents; LD_{50} (mus, rat orl) = 4000 mg/kg, (mus, rat ip) = 1000 mg/kg. *Pharmacia & Upjohn.*

2246 Lindane

58-89-9 5523 H P



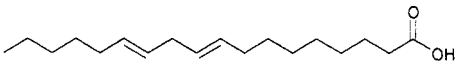
$C_6H_6Cl_6$

(1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-Hexachlorocyclo-hexane.

4-05-00-00058 (Beilstein Handbook Reference); Aalindan; Aficide; Agrisol g-20; Agrocide; Agrocide 2; Agrocide 6g; Agrocide 6G; Agrocide 7; Agrocide III; Agrocide WP; Agronexit; AI3-07796; Ameisenatod; Ameisenmittel merck; Ameisentod; Aparasin; Aphtitria; Aplidal; Arbitex; Arcotal S; BBH; Ben-Hex; Benhexachlor; Benhexol; Bentox 10; Benzene hexachloride; Benzene-1,2,3,4,5,6-hexachloride; Benzex; Bexol; BHC; BHC (α-, β-, γ-); Borer Spray; BRN 1907337; Caswell No. 079; CCRIS 329; Celanex; Chloresene; Codechine; Cyclohexane, 1α,2α,3β,4α,5α,6β-hexachloro-; DBH; Detmol Extract; Detox 25; Devoran; Dol Granule; Drillitox-Speziai Aglukon; EINECS 200-401-2; ENT 7,796; Entomoxan; EPA Pesticide Chemical Code 009001; Esoderm; Exagama; Fenoform forte; Forlin; Forst-Nexen; Gallogama; Gamacarbatox; Gamacid; Gamacide; Gamacide 20; Gamaphex; Gamene; Gamiso; γ-BHC; γ-COL; γ-HCH; γ-Hexachlorocyclohexane; γ-Hexachloro-cyclohexane [Lindane and other hexachlorocyclohexane isomers]; γ-lindane; Gamma-mean 400; Gammahexa; Gammahexane; Gammalin; Gammalin 20; Gammalin 20; Gammaterr; Gammex; Gammexane; Gammopaz; Geobilan; Geolin G 3; Gexane; HCC; HCCH; HCH; Heclotox; HEXA; Hexachloran; Hexachlorane; Hexachlorocyclohexane; Hexachlorocyclohexane, γ-; Hexatox; Hexaverm; Hexcidum; Hexicide; Hexyclan; HGI; Hilbeech; Hortex; HSDB 646; Hungaria L7; Inexit; Isotox; Jacutin; Kokotine; Kwell; Kwell-R; Lacco HI lin; Lasochron; Latka 666; Lendine; Lentox; Lidenal; Lindafor; Lindagam; Lindagrain; Lindagranox; Lindalo; Lindamul; Lindane; Lindano; Lindanum; Lindapoudre; Lindaterra; Lindatox; Lindex; Lindosep; Lintox; Linvur; Lorexane; Mglawik L; Milboi 49; Mszycol; NCI-C00204; Neo-scabicidol; Nexen FB; Nexit; Nexit-stark; Nexol-E; Nicochloran; Novigam; Novigan; Omnitox; Ovadziak; Owadziak; Pedraczak; Pflanzol; PLK; Quellada; RCRA waste number U129; Sang gamma; Scabene; Silvanol; Spritz-Rapidin; Spritzlindane; Spruehpflanzol; Streunex; TAP 85; Tri-6; Verindal Ultra; Viton. Registered by EPA as an insecticide. Banned by EPA from use as a pesticide and restricted by FDA in use as a treatment for lice and scabies in humans. Crystals; mp = 112.5°; slightly soluble in H_2O (0.00073 g/100 ml), soluble in Me_2CO (43.5 g/100 ml), C_6H_6 (28.9 g/100 ml), $CHCl_3$ (24.0 g/100 ml), Et_2O (20.8 g/100 ml), EtOH (6.4 g/100 ml), C_7H_8 (2.76 g/100 ml), xylene (2.47 g/100 ml), CCl_4 (0.67 g/100 ml), cyclohexanonone (3,67 g/100 ml), dioxane (3.14 g/100 ml), AcOH (1.28 g/100 ml); LD_{50} (mrat orl) = 88 - 125 mg/kg, (frat orl) = 91 mg/kg, (mus orl) = 59 - 246 mg/kg, (rat der) = 900 - 1000 mg/kg, (bobwhite quail orl) = 120 - 130 mg/kg; LC_{50} (guppy 48 hr.) ■ 0.16 - 0.3 mg/l; toxic to bees. *Drexel Chemical Co.; Earth Care; Gustafson LLC; UAP - Platte Chemical; Wilbur Ellis Co.; Zeneca Pharm.*

2247 Linoleic acid

60-33-3 5527 G H



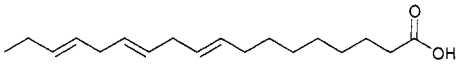
$C_{18}H_{32}O_2$

9,12-Octadecadienoic acid (9Z,12Z)-.

AI3-11132; CCRIS 650; EINECS 200-470-9; Emersol 310; Emersol 315; Extra Linoleic 90; FEMA No. 3380; Grape seed oil; HSDB 5200; Linoleic acid; α-Linoleic acid; 9Z,12Z-Linoleic acid; cis,cis-Linoleic acid; 9-cis,12-cis-Linoleic acid; Linolic acid; NSC 281243; 9,12-Octadecadienoic acid; 9,12-Octadecadienoic acid (9Z,12Z)-; 9,12-Octadecadienoic acid, (Z,Z)-; (Z,Z)-9,12-Octadecadienoic acid; Oils, grape; Oils, grape seed; Polylin 515; Polylin No. 515; Telfairic acid; Unifac 6550. Unsaturated fatty acid; used in manufacture of paints, coatings, emulsifiers, vitamins. Oil; bp_1 = 230-232°; d_4^{18}= 0.914; insoluble in H_2O, soluble in organic solvents. *Arizona; CasChem; Henkel/Emery; Hercules Inc.; Langley Smith Ltd.*

2248 Linolenic acid

463-40-1 5528 G



$C_{18}H_{30}O_2$

(Z,Z,Z)-9,12,15-Octadecatrienoic acid.

AI3-23986; CCRIS 656; EINECS 207-334-8; FEMA No. 3380; Industrene® 120; Linolenate; Linolenic acid; α-Linolenic acid; Linolenic acid; Linolenic acid, crude; NSC 2042; 9,12,15-Octadecatrienoic acid, (9Z,12Z,15Z)-; 9,12,15-Octadecatrienoic acid, (Z,Z,Z)-; 9-cis,12-cis,15-cis-Octadecatrienoic acid; cis,cis,cis-9,12,15-Octadeca-trienoic acid; cis-$\Delta^{9,12,15}$-Octadecatrienoic acid; all-cis-9,12,15-Octadecatrienoic acid; (Z,Z,Z)-Octadeca-9,12,15-trienoic acid. Chemical intermediate. Liquid; mp■ -16.5°; bp_{17} = 213°, $bp_{0.05}$ = 129°; d^{20} = 0.9164; λ_m = 233 nm (ε = 126); insoluble in water;

slightly soluble in C_6H_6, soluble in EtOH, Et_2O. *Witco/Humko.*

2249 Linseed Oil

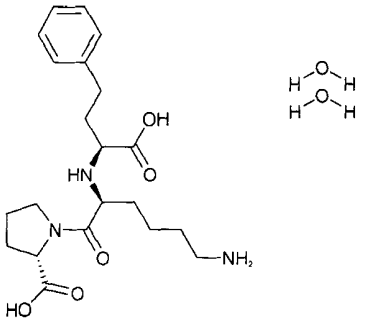
8001-26-1 5530 E P V

Linseed oil.

Aceite de Linaza; Acid refined linseed oil; Acidulated linseed soapstock; Bodied linseed oil; Caswell No. 527A; EINECS 232-278-6; EPA Pesticide Chemical Code 031603; Fats and Glyceridic oils, linseed; Fats and Glyceridic oils, flaxseed; Flaxseed oil; Groco; HSDB 5155; Huile de Lin; L-310; Leinol; Linseed absolute; Linseed fatty acids, glycerin ester; Linseed oil; Linseed oil absolute; Linseed oil, alkali refined; Linseed oil, bleached; Linseed oil extract; Linseed oil fatty acids, glycerol triester; Linseed oil, wash recovered; Oils, glyceridic, flaxseed or linseed; Oils, linseed; Oleum Lini; Sunflower oil. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide (cancelled). FDA, BP compliance. Used as a demulcent and emollient in medicinal soaps, soothing to skin, used in cough medicines and as a purgative in veterinary medicine. Amber drying oil; d = 0.921 - 0.936; mp = -19°; bp = 343°; soluble in Et_2O, $CHCl_3$, CS_2, turpentine, slightly soluble in EtOH. Allergen and skin irritant. *Arista Ind.; Ferro/Bedford; Penta Mfg.; Ruger; Spectrum Chem. Manufacturing.*

2250 Lisinopril

83915-83-7 5538 D



$C_{21}H_{31}N_3O_5.2H_2O$

1-[N^2[(S)-1-Carboxy-3-phenylpropyl]-L-lysyl]-L-proline dihydrate.

Acerbon; Alapril; Carace; Coric; HSDB 6852; Lisinopril; Lisinopril dihydrate; MK-521; Novatec; Prinil; Prinivil; Prinzide; Renacor; RS-10029; Tensopril; Vivatec; Zestril.; component of: Prinzide. Angiotensin-converting enzyme inhibitor. Orally active peptidyldipeptide hydrolase inhibitor. Antihypertensive. Crystals; λm = 246, 254, 258, 261, 267 nm ($A^{1\%}_{cm}$ 4.0, 4.5, 5.1, 5.1, 3.7 0.1N NaOH), 246 253, 258, 264, 267 nm ($A^{1\%}_{cm}$ 3.2, 3.9, 4.5, 3.0, 2.8 0.1NHCl); $[\alpha]_{405}^{25}$ = -120° (c = 1 0.25M $Zn(OAc)_2$ pH 6.4). *Merck & Co.Inc.*

2251 Lithium

7439-93-2 5542 G

Li

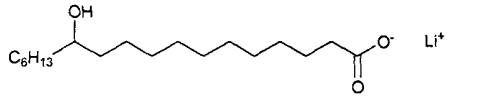
Li

Lithium.

EINECS 231-102-5; HSDB 647; Lithium; Lithium, elemental; Lithium, metallic; UN1415. Metallic element. Used as a scavenger and degasifier for stainless and mild steels in molten state; deoxidizer in copper and alloys; rocket propellants; pharmaceuticals. Brittle metal; mp = 180.54°; bp = 1347°; reacts violently with inorganic acids; soluble in liquid ammonia; does not react with oxygen at room temperature. *Atomergic Chemetals; Cerac; FMC Corp.*

2252 Lithium 12-hydroxystearate

7620-77-1 H



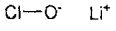
$C_{18}H_{35}LiO_3$

Octadecanoic acid, 12-hydroxy-, monolithium salt.

AI3-19768; EINECS 231-536-5.

2253 Lithium hypochlorite

13840-33-0 G



ClLiO

Hypochlorous acid lithium salt.

Caswell No. 528A; CCRIS 4023; EINECS 237-558-1; EPA Pesticide Chemical Code 014702; Hypochlorous acid, lithium salt; HyPure L; Lithium chloride oxide; Lithium hypochlorite; Lithium oxychloride; UN1471. Laundry bleach, swimming pool chlorination. *FMC Corp.; Olin Corp.*

2254 Lithium iodide

10377-51-2 5557 G

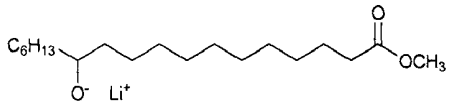
lli

Iodic acid lithium salt.

EINECS 233-822-5; Lithium iodide; Lithium iodide (LiI); Tenephrol. Used in photography. Crystals; mp = 446°; bp = 1171°; d = 3.4900; soluble in H_2O (2 g/ml), EtOH, Me_2CO.

2255 Lithium methyl 12-oxidooctadecanoate

53422-16-5 H



$C_{19}H_{37}LiO_3$

n-Octadecanoic acid, 12-hydroxy-, methyl ester, lithium salt.

EINECS 258-547-8; Lithium methyl 12-oxidoocta-decanoate; Methyl 12-hydroxy stearate, lithium salt; Octadecanoic acid, 12-hydroxy-, methyl ester, lithium salt.

2256 Lithium molybdate

13568-40-6 G

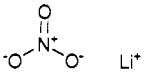
Li_2MoO_4

Dilithium molybdate.

Dilithium molybdate; EINECS 236-977-7; Molybdate (MoO_4^{2-}), dilithium, (T-4)-. Use in manufacture of steel coating and as a petroleum cracking catalyst. Solid; mp = 705°. *AAA Molybdenum; Atomergic Chemetals; Cerac.*

2257 Lithium nitrate

7790-69-4 5558 G



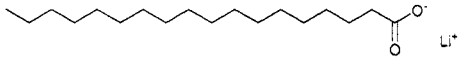
$LiNO_3$

Nitric acid lithium salt.

EINECS 232-218-9; Lithium nitrate; Nitric acid, lithium salt; UN2722. Ceramics, pyrotechnics, salt baths, heat exchange media, refrigeration systems, rocket propellant. Crystals; mp = 251°; d = 2.3800. *Atomergic Chemetals; Cerac; Mallinckrodt Inc.*

2258 Lithium stearate

4485-12-5 G



$C_{18}H_{35}LiO_2$

Lithium octadecanoate.

Afco-Chem LIS; AI3-19767; EINECS 224-772-5; Lithalure; Lithium octadecanoate; Lithium stearate; Litholite; Octadecanoic acid, lithium salt; Stavinor; Stearic acid, lithium salt. Lubricant for metal sintering. Lubricant and stabilizer for resins. Pigment dispersant, mold releasing agent, waterproofing agent and lubricant additive. Used in cosmetics, plastics, waxes, greases, a lubricant in powder metallurgy, corrosive inhibitor, flatting agent, high-temperature lubricant. White solid; mp= 220°; LD_{50} (rat orl) = 15 gm/kg. *Adeka Fine Chem.; Chemetall Chem. products; CK Witco Corp.; Lancaster Synthesis Co.; Syn Prods.*

2259 Lithopone

1345-05-7 5566 G

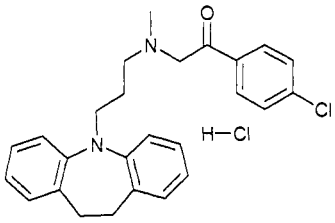
$ZnS.BaSO_4$

Zinc sulfide/barium sulfate.

Beckton white; C.I. Pigment White 5; Duresco; EINECS 215-715-5; Enamel white; Fulton white; Griffith's zinc white; Jersey lily white; Knights patent zinc white; Lithopone; Marbon white; Nevin; Oleum white; Orrs white; Pinolith; Porcelain white; Ross white; Zinc baryta white; Zincolith. A mixture of zinc sulfide, barium sulfate, and some zinc oxide. White pigment for paints and coatings. Used in water and oil paints to provide thixotropy, improve gloss and flow. *Ore & Chem.; Sachtleben Chemie GmbH.*

2260 Lofepramine Hydrochloride

26786-32-3 5578 G D



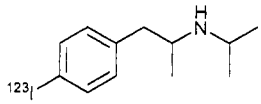
$C_{26}H_{28}Cl_2N_2O$

4'-Chloro-2-[[3-(10,11-dihydro-5H-dibenz[b,f]azepin-5-yl)propyl]methylamino]acetophenone monohydro-chloride.

Amplit; Clopepramine hydrochloride; DB-2182; EINECS 248-002-2; Gamanil; Gamonil; Iopramine hydrochloride; Leo-640; Leo 640 hydrochloride; Lofepramine hydrochloride; Timelit; Tymelyt; WHR 2908A. Tricyclic antidepressant. Crystals; mp = 152-154°; soluble in alcohol, $CHCl_3$; practically insoluble in H_2O; LD_{50} (mus orl) > 2500 mg/kg, (rat orl) > 1000 mg/kg, (mus ip) > 920 mg/kg; (rat ip) > 1000 mg/kg, (mus/rat sc) > 1000 mg/kg. *E. Merck.*

2261 Lofetamine ^{123}I hydrochloride

85068-76-4 5067 G



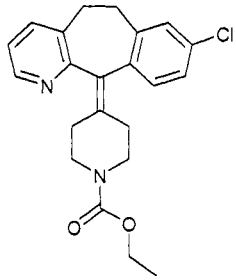
$C_{12}H_{18}{}^{123}IN$

(±)-4-(iodo-^{123}I)-α-methyl-N-(1-methylethyl) benzene ethanamine hydrochloride.

Benzeneethanamine, 4-(iodo-^{123}I)-α-methyl-N-(1-methyl-ethyl)-, hydrochloride, (±)-; (±)-p-Iodo-^{123}I-N-isopropyl-α-methylphenethylamine hydrochloride; Iofetamine hydro-chloride I^{123}; Iofetamine I^{123} hydrochloride; (^{123}I)(±)-N-Isopropyl-p-iodoamphetamine hydrochloride; Perfus-amine; Spectamine. Lipid-soluble radioactive brain imaging agent. Crystals; mp = 156-158°.

2262 Loratadine

79794-75-5 5599 D



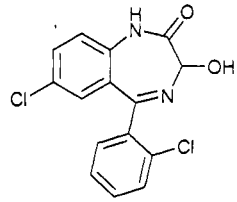
$C_{22}H_{23}ClN_2O_2$

Ethyl 4-(8-chloro-5,6-dihydro-11H-benzo[5,6]cyclo-hepta[1,2-b]pyridin-11-ylidine)-1-piperidinecarboxylate.

Aerotina; Alarin; Alerpriv; Allertidin; Anhissen; Bedix Loratadina; Biloina; Bonalerg; Civeran; Claratyne; Clarinase; Clarinase Reperabs; Claritin; Claritine; Clarityn; Clarityne; Fristamin; Histaloran; HSDB 3578; Lergy; Lertamine; Lesidas; Lisino; Loracert; Loradex; Loradif; Loranox; Lorantis; Lorastine; Loratadina; Loratadine; Loratadinum; Loratyne; Loraver; Lorfast; Loritine; Lowadina; Nularef; Optimin; Polaratyne; Pylor; Restamine; Rhinase; Rinomex; Sanelor; Sch 29851; Sensibit; Sinhistan Dy; Sohotin; Tadine; Talorat Dy; Velodan; Versal; Zeos. Antihistaminic. Crystals; mp = 134-136°. *Schering AG.*

2263 Lorazepam

846-49-1 5600 D



$C_{15}H_{10}Cl_2N_2O_2$

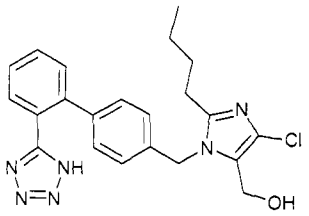
7-Chloro-5-(o-chlorophenyl)-1,3-dihydro-3-hydroxy-2H-1,4-benzodiazepin-2-one.

5-25-02-00248 (Beilstein Handbook Reference); Almazine; Anxiedin; Anxira; Anzepam; Aplacasse; Aplacassee; Apo-Lorazepam; Aripax; Ativan; Azurogen; Bonatranquan; Bonton; BRN

0759084; DEA No. 2885; Delormetazepam; Demethyllormetazepam; Donix; Duralozam; Efasedan; EINECS 212-687-6; Emotion; Emotival; Equitam; Idalprem; Kalmalin; Larpose; Laubeel; Lomesta; Lopam; Lorabenz; Lorafen; Loram; Lorans; Lorapam; Lorat; Lorax; Lorazene; Lorazep; Lorazepam; Lorazepam-Efeka; Lorazepam Fabra; Lorazepam Genericon; Lorazepam Lannacher; Lorazepam Medical; Lorazepamum; Lorazepan Chobet; Lorazepan Richet; Lorazin; Lorazon; Lorenin; Loridem; Lorivan; Lorsedal; Lorsilan; Lorzem; Lozepam; Max Pax; Merlit; Nervistop L; NIC; Norlormetazepam; Novhepar; Novolorazem; NSC 289758; Nu Loraz; Orfidal; Pro Dorm; Psicopax; Punktyl; Quait; Renaquil; Rocosgen; Securit; Sedatival; Sedazin; Sedizepan; Sidenar; Silence; Sinestron; Somagerol; Stapam; Tavor; Temesta; Titus; Tolid; Tranqipam; Trapax; Upan; Vigiten; WY 4036; Wypax. Pharmaceutical preparation for the treatment of anxiety. Crystals; mp = 166-168°; λ_m = 229 nm (1N NaOH), 233 nm (1N HCl); soluble in H_2O (0.008 g/100 ml), $CHCl_3$ (0.33 g/100 ml), EtOH (1.4 g/100 ml), propylene glycol (1.6 g/100 ml), EtOAc (3.0 g/100 ml); LD_{50} (mus orl) = 3178 mg/kg, (rat orl) > 5000 mg/kg. *Wyeth-Ayerst Labs.*

2264 Losartan

114798-26-4 5604 D



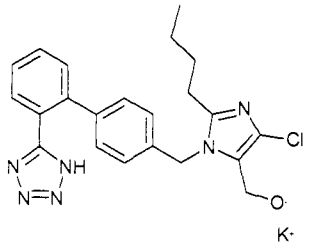
$C_{22}H_{23}ClN_6O$

2-Butyl-4-chloro-1-[p-(o-1H-tetrazol-5-ylphenyl)benzyl]-imidazole-5-methanol.

DUP 89; Losartan. Non-peptide angiotensin II receptor antagonist used as an antihypertensive agent. Crystals; mp = 183.5-184.5°. *DuPont-Merck Pharm.; Merck & Co.Inc.*

2265 Losartan monopotassium salt

124750-99-8 5604 D



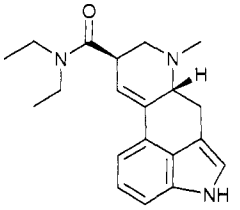
$C_{22}H_{22}ClKN_6O$

2-Butyl-4-chloro-1-[p-(o-1H-tetrazol-5-ylphenyl)benzyl]-imidazole-5-methanol monopotassium salt.

Cozaar; Du Pont 753; DuP-753; HSDB 7043; Hyzaar; L-158086; Lortaan; Lorzaan; Lorzaar; Losacar; Losacor; Losaprex; Losartan monopotassium salt; Losartan potassium; Lotim; MK-0954; MK-954; Neo Lotan; Niten; Ocsaar; Tenopres; component of: Hyzaar. Non-peptide angiotensin II receptor antagonist. Used as an antihypertensive. *DuPont-Merck Pharm.; Merck & Co.Inc.*

2266 LSD

50-37-3 5654 G



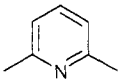
$C_{20}H_{25}N_3O$

Lysergic acid diethylamide.

4-25-00-00939 (Beilstein Handbook Reference); ACID; BRN 0094179; Cubes; DEA No. 7315; Delysid; 9,10-Didehydro-N,N-diethyl-6-methyl-ergoline-8-β-carbox-amide; Diethylamid kyseliny lysergove; N,N-Diethyl-D-lysergamide; N,N-Diethyllysergamide; EINECS 200-033-2; Ergoline-8β-carboxamide, 9,10-didehydro-N,N-diethyl-6-methyl-; Ergoline-8-carboxamide, 9,10-didehydro-N,N-diethyl-6-methyl-, (8β)-; Heavenly Blue; HSDB 3920; Lisergide; Lisergido; LSD; D-LSD; LSD-25; D-Lysergic acid diethylamide; Lysergamid; Lysergamide, N,N-diethyl-; Lysergsäure diethylamid; Lysergic acid diethylamide; Lysergic acid diethylamide-25; Lysergide; Lysergidum; Lysergsaeurediaethylamid; Lysergsäure-diäthylamid; Pearly gates; Royal Blue; Wedding bells. Hallucinogen. Not sold in the US.

2267 2,6-Lutidine

108-48-5 5636 G



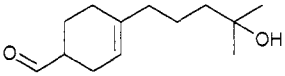
C_7H_9N

2,6-Dimethylpyridine.

AI3-24282; α,α'-Dimethylpyridine; 2,6-Dimethyl-pyridine; EINECS 203-587-3; FEMA No. 3540; HSDB 79; α,α'-Lutidine; 2,6-Lutidine; NSC 2155; Pyridine, 2,6-dimethyl-; α,α'-lutidin. Used in the manufacture of pharmaceuticals, resins, dyestuffs, rubber accelerators, insecticides. Liquid; mp = -6.1°; bp = 144.1°; d^{20} = 0.9226; λ_m = 268 nm (ε = 12589, H_2SO_4); freely soluble in H_2O, soluble in Et_2O, Me_2CO, $CHCl_3$, slightly soluble in EtOH. *Janssen Chimica; Raschig GmbH; Reilly Ind.; Sigma-Aldrich Fine Chem.*

2268 Lyral

31906-04-4 H



$C_{13}H_{22}O_2$

4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbalde-hyde.

BRN 2046455; 3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-; EINECS 250-863-4; 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde; 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carbox-aldehyde; Lyral.

2269 Lysidine

534-26-9 5655 G

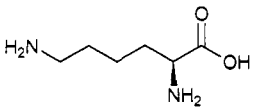
$C_4H_8N_2$

4,5-Dihydro-2-methyl-1H-imidazole.

5-23-03-00385 (Beilstein Handbook Reference); AI3-16866; BRN 0104225; 4,5-Dihydro-2-methyl-1H-imidazole; EINECS 208-596-6; 1H-Imidazole, 4,5-dihydro-2-methyl-; 2-Imidazoline, 2-methyl-; Lysidine; Methylglyoxalidine; 2-Methylimidazoline. Crystals; mp ▪ 107°; bp = 196.5°; insoluble in Et_2O, soluble in $CHCl_3$, very soluble in H_2O, EtOH.

2270 Lysine

56-87-1 5656 G



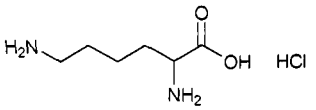
$C_6H_{14}N_2O_2$

(S)-2,6-Diaminohexanoic acid.

4-04-00-02717 (Beilstein Handbook Reference); AI3-26523; Aminutrin; BRN 1722531; (S)-α,ε-Diaminocaproic acid; EINECS 200-294-2; h-Lys-oh; Hexanoic acid, 2,6-diamino-, (S)-; HSDB 2108; Lisina; LYS; Lysine; α-Lysine; L-Lysine; (S)-Lysine; Lysine acid; Lysine, L-; Lysinum; L-Norleucine, 6-amino-. Biochemical and nutritional research pharmaceuticals, culture media, fortification of foods and feeds, nutrient supplement, animal feed additive. White solid; dec 224.5°; $[\alpha]_D^{20}$ ▪ 14.6°; pK_1 = 2.20; soluble in water, insoluble in common neutral solvents. *Degussa AG; Greeff R.W. & Co.; Indofine Chem. Co. Inc.; Sigma-Aldrich Fine Chem.; Walton Pharm.*

2271 Lysine monohydrochloride

70-53-1 5656 G



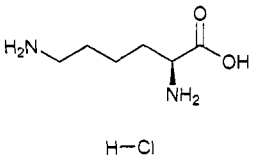
$C_6H_{15}ClN_2O_2$

DL-Lysine hydrochloride.

AI3-18306; EINECS 200-739-0; Lysine, monohydro-chloride; Lysine monohydrochloride, dl-; NSC 46705; [657-27-2]. Used to enrich cereals and feeds. Crystals; mp = 263 - 264°; $[\alpha]_D^{25}$= +14.6° (c ▪ 2 0.6N HCl). *Degussa AG; Greeff R.W. & Co.; Spectrum Chem. Manufacturing; Tanabe U.S.A. Inc.*

2272 L-(+)-Lysine hydrochloride

657-27-2 5656 G



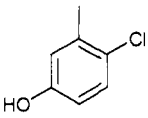
$C_6H_{14}N_2O_2.HCl$

L-Lysine monohydrochloride.

AI3-52405; Darvyl; EINECS 211-519-9; Enisyl; L-Gen; Lyamine; Lysine hydrochloride; L-Lysine hydrochloride; Lysine monohydrochloride; Lysine, monohydrochloride, L-; L-Lysine monohydrochloride; Lysion; NSC 9253; Lysine hydrochloride; K; (S)-2,6-diaminohexanoic acid. Used in the enrichment of cereals and feeds Crystals; dec 210°; $[\alpha]_D^{20}$= +14.6°; soluble in H_2O; insoluble in non-polar organic solvents. *Person & Covey Inc.*

2273 Lysochlor

59-50-7 2152 G P



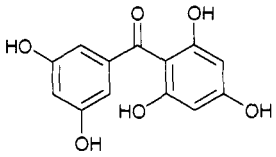
C_7H_7ClO

4-Chloro-m-cresol.

4-06-00-02064 (Beilstein Handbook Reference); AI3-00075; Aptal; Baktol; Baktolan; BRN 1237629; Candaseptic; Caswell No. 185A; CCRIS 1938; Chlorcresolum; Chlorkresolum; Chlorocresol; m-Cresol, 4-chloro-; 4-Chloro-3-cresol; 6-Chloro-m-cresol; Chlorocresol; Chloro-3-cresol; Chlorocresolo; Chlorocresolum; 2-Chloro-5-hydroxytoluene; 2-Chloro-hydroxytoluene; 6-Chloro-3-hydroxytoluene; 4-Chloro-1-hydroxy-3-methylbenzene; 4-Chloro-3-methylphenol; Chlorokresolum; Clorocresolo; CMK; EINECS 200-431-6; EPA Pesticide Chemical Code 064206; HSDB 5198; 3-Methyl-4-chlorophenol; NSC 4166; Ottafact; Parachlorometacresol; Parmetol; Parol; PCMC; Peritonan; Phenol, 4-chloro-3-methyl-; Preventol CMK; Raschit; Raschit K; Rasen-Anicon; RCRA waste number U039. A phenol-based disinfectant. Has been used medically as a topical antiseptic and as a preservative for latex. Crystals; mp ▪ 55.5°, 66°; bp = 235°; soluble in H_2O (0.38 g/100 ml), soluble in organic solvents. *Kalle BV; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

2274 Maclurin

519-34-6 5665 G



$C_{13}H_{10}O_6$

(3,4-Dihydroxyphenyl)(2,4,6-trihydroxyphenyl)methan-one.

Benzophenone, 2,3',4,4',6-pentahydroxy-; C.I. 75240; C.I. Natural Yellow 11; (3,4-Dihydroxyphenyl)(2,4,6-trihydroxyphenyl)methanone; EINECS 208-268-2; Fustic extract; Kino-yellow; Laguncurin; Maclurin; Maklurin; Methanone, (3,4-dihydroxyphenyl)(2,4,6-trihydroxy-phenyl)-; Morintannic acid; Moritannic acid; NSC 83240; Patent Fustin; 2,3',4,4',6-Pentahydroxybenzophenone. Used to dye fabrics. Crystals; mp = 222-223°; soluble in H_2O (0.48 g/100 ml), more soluble in organic solvents.

2275 Magnesia alba

39409-82-0 5682 G

$C_4H_2Mg_5O_{14}.5H_2O$

Magnesium carbonate hydroxide.

Carbonic acid, magnesium salt (1:1), mixture with magnesium hydroxide ($Mg(OH)_2$), hydrate; CCRIS 7884; Magnesium carbonate basic; Magnesium carbonate hydroxide; Marinco C. A basic magnesium carbonate of variable composition. Used in *fireproofing*, as an antacid and laxative and in manufacture of magnesium compounds.

2276 Magnesium

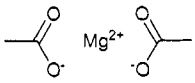
7439-95-4 5675 G

Mg

Mg
Magnesium.
EINECS 231-104-6; HSDB 654; Magnesio; Magnesium; Magnesium powdered; Magnesium sheet; Rieke's active magnesium; RMC; UN1418; UN1869; UN2950. Metallic element; aluminum alloys for structural parts; used in pyrotechnics; photography; production of iron, nickel, zinc, titanium, zirconium, steel; gasoline additive; magnesium compounds; cathodic protection; reducing agent; precision instruments and optical mirrors. Metal; mp = 651°; bp = 1100°; d^{20} = 1.738. *Norsk Hydro AS; Pechiney Electrométallurgie; Sigma-Aldrich Fine Chem.*

2277 Magnesium acetate

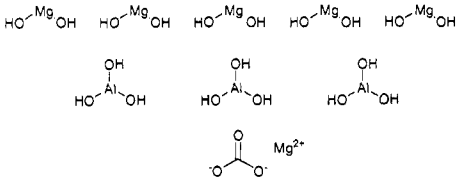
142-72-3 5676 G H



$C_4H_6MgO_4$
Acetic acid magnesium salt.
Acetic acid magnesium salt; CCRIS 7883; Cromosan; EINECS 205-554-9; Magnesium acetate; Magnesium diacetate; Mg Acetate; NSC 75798; Nu-Mag. Dye fixative in textile printing, deodorant, disinfectant, antiseptic. Solid; mp ▪ 80°; d = 1.45; LD_{50} (mus iv) = 18 mg/kg. *EM Ind. Inc.; Hoechst AG; Verdugt BV.*

2278 Magnesium aluminum hydroxide carbonate

11097-59-9 H



$CH_{16}Al_2Mg_6O_{19}$
{Carbonato(2-)}hexadecahydroxybis(aluminium)hexa-magnesium.
{Carbonato(2-)}hexadecahydroxybis(aluminium)hexa-magnesium; Aluminate (Al(OH)63-), (OC-6-11)-, magnesium carbonate hydroxide (2:6:1:4); EINECS 234-319-3; Magnesium, (carbonato(2-))hexadecahydroxy-bis(aluminum)hexa-; Magnesium, (carbonato)hexadeca-hydroxydialuminumhexa-; Magnesium aluminum hydroxide carbonate.

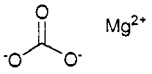
2279 Magnesium borate

13703-82-7 5680 G

B_2MgO_4
Magnesium metaborate.
Antifungin; EINECS 237-235-5; Magnesium borate; Magnesium metaborate. An antiseptic and fungicide. Occurs in a variety of minerals. White powder, slightly soluble in H_2O.

2280 Magnesium carbonate

546-93-0 D G



$CMgO_3$
Magnesium(II) carbonate.
Al3-00768; Apolda; Carbonate magnesium; Carbonic acid, magnesium salt (1:1); Caswell No. 530; CI 77713; DCI light magnesium carbonate; Destab; EINECS 208-915-9; Elastocarb Tech Light, Heavy; EPA Pesticide Chemical Code 073503; Gold Star (carbonate); GP 20 (carbonate); HSDB 211; Hydromagnesite; Kimboshi; MA 70 (carbonate); Magfy; Magmaster; Magnesite; Magnesite dust; Magnesium carbonate; Magnesium carbonate (1:1); Magnesium carbonate ($MgCO_3$); Magnesium carbonate anhydrous; Magnesium carbonate basic; Magnesium carbonate hydroxide; Magnesium(II) carbonate (1:1); Magocarb-33; NSC 83511; Stanmag magnesium carbonate. Inorganic filler providing flame retardancy and smoke suppression to elastomers, plastics, and thermosets incl. EPDM, PP, PE, PVC; used as a flame retardant in wire and cable compounds, conduit/tubing, film and sheet. *Kaopolite; Morton Intn'l.*

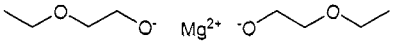
2281 Magnesium chloride

7786-30-3 5684 D G P

Cl_2Mg
Magnesium chloride anhydrous.
Aerotex Accelerator MX; Caswell No. 531; CCRIS 3961; DUS-top; EINECS 232-094-6; EPA Pesticide Chemical Code 013902; HSDB 657; Magnesium chloride; Magnesium chloride ($MgCl_2$); Magnesium chloride anhydrous; Magnesium dichloride; Magnogene; NSC 529832; TMT 2. Source of magnesium; disinfectants, fire extinguishers, fireproofing wood, cement, refrigerating brines, ceramics, cooling drilling tools, textile sizes and lubricants, paper manufacture, dust control on roads, flocculating agent, catalyst. Solid; mp ▪ 712°; d ▪ 2.41; soluble in H_2O; LD_{50} (rat orl) = 8.1 g/kg. *Magnesia GmbH; Mallinckrodt Inc.; Schaeffer Salt & Chem.; Sigma-Aldrich Fine Chem.*

2282 Magnesium ethoxyethoxide

14064-03-0 H



$C_8H_{18}MgO_4$
Ethanol, 2-ethoxy-, magnesium salt.
EINECS 237-912-5; Ethanol, 2-ethoxy-, magnesium salt; Magnesium bis(2-ethoxyethanolate); Magnesium ethoxyethoxide.

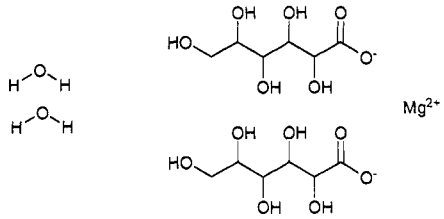
2283 Magnesium fluoride

7783-40-6 5688 G

F_2Mg
Hydrofluoric acid magnesium salt.
Afluon; EINECS 231-995-1; Irtran 1; Magnesium fluoride; Magnesium fluoride (MgF_2); Magnesium fluorure; Magtran; Sellaite. Used in manufacture of ceramics and glass. Solid; mp = 1248°; bp = 2260°; d = 3.148; soluble in H_2O (8.7 g/100 ml), insoluble in organic solvents; LD_{50} (gpg orl) = 1 g/kg. *BDH Laboratory Supplies.*

2284 Magnesium gluconate

3632-91-5 4469 D G



$C_{12}H_{22}MgO_{14}.2H_2O$

Magnesium D-gluconate.

Almora; EINECS 222-848-2; Glucomag; Gluconic acid, magnesium salt (2:1), D-; D-Gluconic acid, magnesium salt (2:1); Glucosium; GYN; Magnesium D-gluconate (1:2); Magnesium digluconate; Magnesium gluconate; Magnesium gluconate anhydrous; Menesia. Mineral source for pharmaceutical and food products. Used medicinally as a magnesium replenisher. Crystals; soluble in H_2O. *Akzo Chemie; Atomergic Chemetals; Forest Pharm. Inc.; Spectrum Chem. Manufacturing.*

2285 Magnesium hydroxide

1309-42-8 5693 D G

H_2MgO_2

Magnesium(II) hydroxide.

200-06H; Alcanex NHC 25; Arthritis Pain Formula Maximum Strength; Asahi Glass 200-06; Ascriptin; Baschem 12; Calcitrel; Camalox; CCRIS 3342; Combustrol 500; Di-Gel; DP 393; DSB 100; Duhor; Duhor N; Ebson RF; EINECS 215-170-3; FloMag H; FloMag HUS; Gelusil; Haley's MO; HSDB 659; Hydro-mag MA; Hydrofy G 1.5; Hydrofy G 2.5; Hydrofy N; Ki 22-5B; Kisuma 4AF; Kisuma 5; Kisuma 5A; Kisuma 5B; Kisuma 5B-N; Kisuma 5BG; Kisuma 5E; Kisuma 78; Kisuma S 4; Kudrox; KX 8S(A); KX 8S(B); Kyowamag F; Lycal 96 HSE; Maalox; Maalox Plus; Mag Chem MH 10; Magnesia hydrate; MagneClear 58; Magnesia magma; Magnesia, [Milk of], Magnesiamaito; Magnesium dihydroxide; Magnesium hydroxide; Magnesium hydroxide ($Mg(OH)_2$); Magnesium hydroxide gel; Magnesium hydroxide slurry; Magnifin H 10; Magoh-S; Magox; Marinco H; Marinco H 1241; Martinal VPF 8812; Milk of magnesia; Milmag; Mint-O-Mag; Mylanta; Nemalite; Phillips Magnesia Tablets; Phillips Milk of Magnesia Liquid; Reachim; S/G 84; Simeco Suspension; Star 200; Versamag® DC; Wingel; Zerogen® 10, Zerogen® 60. Fire retardant filler for plastics; extender pigment for flame retardant coatings. White solid; insoluble in H_2O, aqueous suspension has pH 9.5-10.5. *Kaopolite.*

2286 Magnesium laureth sulfate

62755-21-9 G

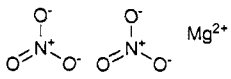
$C_{24}H_{52}MgO_8S_2.(C_2H_4O)_n$

Magnesium lauryl ether sulfate.

Elfan® NS 243 S Mg; Empicol® EGB; Empicol® EGC; Empicol® EGC70; Magnesium laureth sulfate; Magnesium lauryl ether sulfate; Poly(oxy-1,2-ethanediyl), α-sulfo-ω-(dodecyloxy)-, magnesium salt; Sulfochem® MgLES; Zoharpon MgES. Detergent and toiletry raw material. *Albright & Wilson UK Ltd.*

2287 Magnesium nitrate

10377-60-3 5697 G



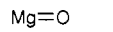
MgN_2O_6

Magnesium(II) nitrate.

EINECS 233-826-7; HSDB 660; Magnesium dinitrate; Magnesium nitrate; Magnesium(II) Nitrate (1:2); Magniosan; Magnisal; Nitric acid, magnesium salt; UN1474. Used for agricultural (for curing magnesium deficiency via irrigation system, direct soil application or foliar spray) and technical (in metal, textile, ceramic and other industries) applications. Used in pyrotechnics and in the manufacture of nitric acid. [hexahydrate]; solid; mp = 95°; soluble in H_2O (1.25 g/ml), more soluble in EtOH. *Blythe, Williams Ltd.; EM Ind. Inc.; Haifa Chemicals Ltd; Hoechst Celanese; Mallinckrodt Inc.*

2288 Magnesium oxide

1309-48-4 5700 D G



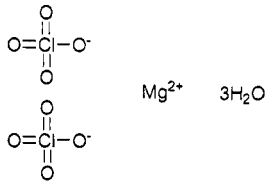
MgO

Magnesium(II) oxide.

100A (oxide); Akro-mag; AM 2 (cement additive); Animag; Anscor P; BayMag; Calcined brucite; Calcined magnesia; Causmag; Caustic magnesite; CCRIS 3659; Corox; EINECS 215-171-9; Elastomag 100; Elastomag 170; Fert-O-Mag; FloMag HP; FloMag HP-ER; FMR-PC; Granmag; Hamag LP; Heavy calcined magnesia; Heavy magnesia; Heavy magnesium oxide; HP 10 (oxide); HSDB 1652; Ken-Mag®; KM 3 (oxide); KM 40; KMACH-F; KMB 100-200; Kyowaad 100; Kyowamag 20; Kyowamag 30; Kyowamag 40; Kyowamag 60; Kyowamag 100; Kyowamag 150; Kyowamag 150B; Kyowaway 150; Light magnesia; Liquimag A; Liquimag B; Luvatol MK 35; Mag Chem 10; Mag Chem 10-40; Mag Chem 10-200; Mag Chem 10-325; Mag Chem 35; Mag Chem 200AD; Mag Chem 200D; Magcal; Magchem 100; Maglite; Maglite D; Maglite de; Maglite K; Maglite S; Maglite Y; Magnesa preprata; Magnesia; Magnesia monoxide; Magnesia USTA; Magnesium oxide; Magnesium oxide, fume; Magnezu tlenek; Magotex; Magox; Magox 85; Magox 90; Magox 95; Magox 98; Magox OP; Magrods; Marmag; Oxymag; Periclase; Seasorb; Seawater magnesia; SLO 369; SLO 469. A proprietary insulating material having a great thermal conductivity and high electrical insulating power; consists essentially of magnesium oxide. White solid; mp ▪ 2800°. *Kaopolite.*

2289 Magnesium perchlorate

10034-81-8 5702 G



$Cl_2MgO_8.3H_2O$

Magnesium perchlorate trihydrate.

Anhydrone; Anhydrous magnesium perchlorate; Dehydrite®; EINECS 233-108-3; HSDB 661; Magnesium perchlorate; Perchlorate de magnesium; Perchloric acid, magnesium salt; UN1475. Used as a drying agent for gases. Solid; dec > 250°; d ▪ 2.6000; soluble in H_2O, (exothermic), EtOH.

2290 Magnesium peroxide

1335-26-8 D G

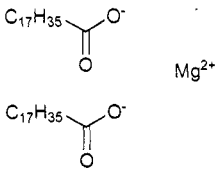
MgO_2

Magnesium dioxide.

EINECS 215-627-7; Magnesium peroxide; Novozone®. Prepared for medical purposes; an antiseptic used internally, and externally as an ointment, for wounds and gatherings.

2291 Magnesium stearate

557-04-0 5714 G H



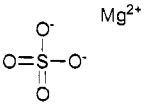
$C_{36}H_{70}MgO_4$

Octadecanoic acid, magnesium salt.

Afco-Chem MGS; AI3-01638; Dibasic magnesium stearate; EINECS 209-150-3; HSDB 713; Magnesium distearate; Magnesium octadecanoate; Magnesium stearate; NP 1500; NS-M (salt); Octadecanoic acid, magnesium salt; Petrac MG 20NF; SM 1000; SM-P; Stearic acid, magnesium salt; Synpro 90; Synpro Magnesium Stearate 90. Lubricant for metal sintering. Lubricant and stabilizer for resins. Pigment dispersant, mold releasing agent, waterproofing agent and lubricant additive. Used in baby dusting powder; lubricants in making tablets; as a drier in paints and varnishes; stabilizer and lubricant for plastics; emulsifying agent for cosmetics. White solid; mp = 130-140°; insoluble in H_2O.

2292 Magnesium sulfate

7487-88-9 5715 D G P



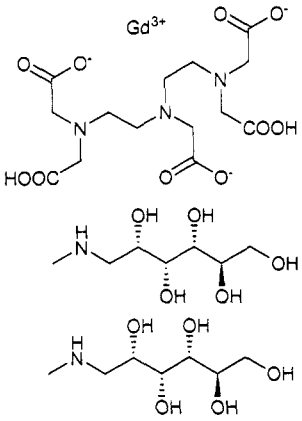
MgO_4S

Magnesium sulfate.

Caswell No. 534; EINECS 231-298-2; EPA Pesticide Chemical Code 050503; Epsom salt; Epsom salts; HSDB 664; Kieserite (monohydrate); Magnesium sulfate; Magnesium sulfate (1:1); Magnesium sulfate anhydrous; Magnesium sulphate; NSC 146179; OT-S; OT-S (drying agent); Sal Amarum; Sal Angalis; Sal Anglicum; Sal Catharticum; Sal de Seidlitz; Sal Seidlitense; Sel d'Angleterre; Sulfuric acid magnesium salt; Sulfuric acid magnesium salt (1:1); Tomix OT (monohydrate); Salts of England; Hair salt; Bitter salt. Used in fireproofing, textiles (warp sizing, dyeing, etc.), mineral waters, catalyst carrier, paper (sizing), cosmetic lotions. Used in horticulture as a magnesium source. Registered by EPA as a herbicide and insecticide (cancelled). Used medicinally as a magnesium replenisher. The heptahydrate is an anticonvulsant and cathartic. Also effective in termination of refractory ventricular tachyarrhythmias. Loss of deep tendon reflex is a sign of overdose. Heptahydrate: d = 1.67; soluble in H_2O. *Blythe, Williams Ltd.; Heico; Mallinckrodt Inc.; PQ Corp.*

2293 Magnevist

86050-77-3 4348 G



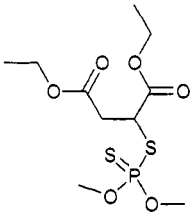
$C_{28}H_{54}GdN_5O_{20}$

Dimeglumine gadopentetate.

Diethylenetriaminepentaacetic acid dimeglumine salt gadolinium chelate; Dihydrogen {N,N-bis(2-{bis(carboxymethyl)amino}ethyl)glycinato(5-)}gadolinate(2-), compound with 1-deoxy-1-(methylamino)-D-glucitol; Dimeglumine-gadolinium-dtpa; Gadolinate(2-), {N,N-bis(2-{bis(carboxymethyl)amino}ethyl)glycinato(5-)}-, dihydrogen, compd. with 1-deoxy-1-(methylamino)-D-glucitol (1:2); Gadopentetate Dimeglumine; Gadopentetic acid dimeglumine salt; Magnevist; Meglumine gadopentetate; Resovist; SHL 451A; ZK 93035. MRI agent. Soluble in H_2O; LD_{50} (rat iv) = 9.37 g/kg. *Schering Health Care Ltd.*

2294 Malathion

121-75-5 5723 G H P



$C_{10}H_{19}O_6PS_2$

Diethyl [(dimethoxyphosphinothioyl)thio]butanedioate.

4-03-00-01136 (Beilstein Handbook Reference); AC 4049; AC 26691; AI3-17034; American Cyanamid 4,049; BRN 1804525; Butanedioic acid, ((dimethoxyphosphino-thioyl)thio)-, diethyl ester; Calmathion; Camathion; Carbethoxy Malathion; Carbetovur; Carbetox; Carbofos; Carbophos; CCRIS 368; Celthion; Chemathion; Cimexan; Cleensheen; Compound 4049; Cythion; Detmol MA; Dorthion; EINECS 204-497-7; EL 4049; Emmatos; Emmatos Extra; ENT 17034; Ethiolacar; Etiol; Extermathion; Fiair; Formal; Forthion; Fosfothion; Fosfotion; Fosfotion 550; Fyfanon; Hilthion; HSDB 665; IFO 13140; Insecticide No. 4049; Karbofos; Kill-A-Mite; Kop-thion; Kypfos; Latka 4049; Lice Rid; Malacide; Malafor; Malagran; Malakill; Malamar; Malamar 50; Malaphos; Malasol; Malaspray; Malataf; Malathiazol; Malathion; Malathion E50; Malathion LV concentrate; Malathon; Malathyl; Malation; Malatol; Malatox; Maldison; Malmed; Malphos; Mercaptothion; Mercaptotion; MLT; Moscarda; NCI-C00215; NSC 6524; Oleophosphothion; Ortho malathion; Paladin; Phosphothion; Prioderm; Sadofos; Sadophos; SF 60; Siptox I; Sumitox; TAK; Taskil; TM-4049; UN 2783. A minimally toxic insecticide effective against insect pests on livestock, stored crops, agriculture, home and garden. Cholinesterase inhibitor, behaves as a non-systemic acaricide and insecticide with contact, stomach and

respiratory action. Used for broad spectrum control of sucking and chewing insects and mites in a wide variety of crops. Particularly useful on Mediterranean fruit fly. Registered by EPA as an insecticide. Clear, amber liquid; mp = 1.4°; $bp_{0.7}$ = 156°; d_{20} ■ 1.2076; soluble in H_2O (0.0145 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) ■ 1375 - 2800 mg/kg, (mus orl) ■ 775 - 3320 mg/kg, rbt der) = 4100 mg/kg, (bee topical) = 0.071 mg/bee; LC_{50} (bobwhite quail 5 day dietary) ■ 3500 mg/kg diet, (ringneck pheasant 5 day dietary) = 4320 mg/kg diet, (bluegill sunfish 96 hr.) ■ 0.1 mg/l. *A/S Cheminova; Agriliance LLC; Allchem Ind.; Am. Cyanamid; Amvac Chemical Corp.; Aventis Environmental Science USA LP; Bonide Products, Inc.; Cape Fear Chemicals Inc; Drexel Chemical Co.; Earth Care; Helena Chemical Co.; Prentiss Inc.; Riverdale Chemical Co; Rockland Corp.; Sariaf SpA; Tomic Insecticide Co., Inc.; UAP - Platte Chemical; Value Gardens Supply LLC.*

2295 Maleated rosin

8050-28-0 H

Maleated rosin.

EINECS 232-480-4; Gum rosin, maleic anhydride resin; Rosin, maleated; Rosin, maleic acid polymer; Rosin-maleic anhydride reaction product; Rosin, maleic anhydride adduct.

2296 Maleic acid

110-16-7 5726 G H

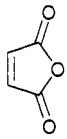
$C_4H_4O_4$

2-Butenedioic acid (Z)-.

4-02-00-02199 (Beilstein Handbook Reference); AI3-01002; BRN 0605762; Butenedioic acid, (Z)-; 2-Butenedioic acid (Z)-; cis-Butenedioic acid; CCRIS 1115; EINECS 203-742-5; 1,2-Ethylenedicarboxylic acid, (Z); cis-1,2-Ethylenedicarboxylic acid; HSDB 666; Kyselina maleinova; Maleic acid; Maleinic acid; Malenic acid; NA2215; NSC 25940; Toxilic acid. Used to retard rancidity in fats and oils; dyeing and finishing textiles; as intermediate in synthesis. Monoclinic prisms; mp ■ 130.5°; d^{20} = 1.590; λ_m = 203 nm (ε = 14791, EtOH); insoluble in C_6H_6, $CHCl_3$, slightly soluble in DMSO, soluble in Et_2O, AcOH, conc. H_2SO_4; very soluble in EtOH, Me_2CO. *General Chem; Penta Mfg.; Thor.*

2297 Maleic anhydride

108-31-6 5727 G H



$C_4H_2O_3$

cis-Butenedioic acid anhydride.

5-17-11-00055 (Beilstein Handbook Reference); AI3-24283; Anhydrid kyseliny maleinove; BRN 0106909; cis-Butenedioic acid anhydride; CCRIS 2941; Dihydro-2,5-dioxofuran; EINECS 203-571-6; 2,5-Furandione; HSDB 183; Maleic acid anhydride; Maleic anhydride; Maleinanhydrid; NSC 137651; RCRA waste number U147; Toxilic anhydride; UN2215. Crystals; mp = 52.8°; bp = 202°; d^{60} = 1.314; slightly soluble in ligroin, soluble in H_2O (reacts), Et_2O, Me_2CO, $CHCl_3$.

2298 Maleic anhydride-methyl vinyl ether polymer

9011-16-9 G

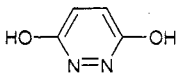
$(C_4H_2O_3.C_3H_6O)_x$

2,5-Furandione, polymer with methoxyethylene.

Agrimer VEMA-H-240; Ethene, methoxy-, polymer with 2,5-furandione; 2,5-Furandione, polymer with methoxy-ethene; 2,5-Furandione, polymer with methoxyethylene; Gantrez; Gantrez 39; Gantrez 149; Gantrez 169; Gantrez 903; Gantrez AN; Gantrez AN 119; Gantrez AN 139; Gantrez AN 149; Gantrez AN 169; Gantrez AN 179; Gantrez AN-1195; Gantrez S 95; Maleic anhydride-methoxyethylene copolymer; Maleic anhydride methyl vinyl ether, copolymer; Methoxyethylene-maleic anhydride copolymer; Methyl vinyl ether-maleic anhydride polymer; Methyl vinyl oxide-maleic anhydride polymer; NSC 79367; NSC 79368; NSC 79369; NSC 130566; NSC 130567; NSC 130568; NSC 130569; PVM/MA Copolymer; Vinyl methyl ether-maleic anhydride polymer; Viscofas; Viscofas X 100000. Dispersant, coupling, stabilizer, thickener, emulsifier, solubilizer, corrosion inhibitor, film former, antistat, used in paper and textile industries, chemical processing, industrial products, detergents, cosmetics, emulsion polymerization; sequestrant. *ISP; Sigma-Aldrich Fine Chem.*

2299 Maleic hydrazide

123-33-1 5728 G P



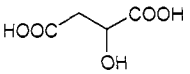
$C_4H_4N_2O_2$

1,2-Dihydro-3,6-pyridazinedione.

AI3-18870; Antergon; Antyrost; Burtolin; Caswell No. 352; CCRIS 1879; Chemform; Chiltern Fazor; De-cut; De-sprout; 3,6-Dihydroxypyridazine; 1,2-Dihydro-3,6-pyridazinedione; 1,2-Dihydropyridazine-3,6-dione; 3,6-Dioxopyridazine; Drexel-super P; EINECS 204-619-9; ENT 18,870; EPA Pesticide Chemical Code 051501; Fair-2; Fair 30; Fair plus; Fair PS; Fazor; Gotax; HSDB 1162; Hydrazid kyseliny maleinove; Hydrazide maleique. 6-Hydroxy-2H-pyridazin-3-one; 6-Hydroxy-3(2H)-pyrid-azinone; KMH; MAH; Maintain 3; Malazide; Maleic acid cyclic hydrazide; Maleic acid hydrazide; Maleic hydrazide; Maleic hydrazine; Malein 30; Maleinsaeurehydrazid; Maleinsäurehydrazid; N,N-Maleoyl-hydrazine; Malzid; Mazide; Mazide 25; MG-T; MH; MH 30; MH 36 Bayer; MH-40; Milurit; MSS MH18; NSC 13892; 3,6-Pyridazinediol; Pyridazine-3,6-diol; 3(2H)-Pyridazinone, 6-hydroxy-; 3,6-Pyridazinedione, 1,2-dihydro-; RCRA waste number U148; Regulox; Regulox 36; Regulox 50 W; Regulox K; Regulox W; Retard; Royal MH-30; Royal Slo-Gro; Slo-Gro; Sprout/off; Sprout-stop; Stuntman; Sucker-stuff; Super-de-sprout; Super sprout stop; Super sucker-stuff HC; Super sucker-stuff; 1,2,3,6-Tetrahydro-3,6-dioxopyridazine; Unriprim; Vondalhyde; Vondrax; 6-Hydroxy-2H-pyridazin-3-one; 1,2-dihydro-pyridazine-3,6-dione; 6-hydroxy-3(2H)-pyridazinone;; Burtolin; De-Cut; Fair-2; Fair-Plus; Malzid; Mazide; MH-30; Slo-Gro; Super-De-Sprout; Vondalhyd. Plant growth regulator, absorbed by leaves and roots. Used for suppression of growth of grass, sprouts on potatoes and other vegetables. Used with 2,4-D as a herbicide. As a tree growth inhibitor containing 185 g/liter maleic hydrazide (as the potassium salt); used to control shoots on the trunk and suckers around the base of street trees; it also inhibits the development of buds on the trunk which remain dormant following treatment. mp = 292-298°; d^{25} = 1.60; soluble in H_2O (6 g/kg), more soluble in polar organic solvents; LD_{50} (rat orl) > 5000 mg/kg. *Bos Chemicals Ltd.; Chiltern Farm Chemicals Ltd; Fair Products; Fisons plc, Horticultural Div.; Mirfield Sales Services Ltd; Pennwalt Holland; Rhône Poulenc Crop Protection Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Synchemicals Ltd; Uniroyal.*

2300 Malic acid

617-48-1 5730 G



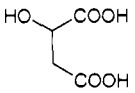
$C_4H_6O_5$

(±)-1-Hydroxy-1,2-ethanedicarboxylic acid.

AI3-06292; Butanedioic acid, hydroxy-; Caswell No. 537; CCRIS 2950; CCRIS 6567; Deoxytetraric acid; EINECS 210-514-9; EINECS 230-022-8; EPA Pesticide Chemical Code 051101; FDA 2018; FEMA Number 2655; HSDB 1202; Hydroxybutanedioic acid; Hydroxybutandisaeure; Hydroxybutandisäure; 2-Hydroxyethane-1,2-dicarboxylic acid; Hydroxysuccinic acid; α-Hydroxysuccinic acid; Kyselina hydroxybutandiova; Kyselina jablecna; Malic acid; dl-Malic acid; DL-Malic acid; Malic acid, dl-; R,S(±)-Malic acid; Monohydroxybernsteinsaeure; Mono-hydroxybernsteinsäure; Musashi-no-Ringosan; NSC 25941; Pomalus acid; Succinic acid, hydroxy-. Chelating, buffering and flavoring agent. Crystals; mp = 13 -132°; insoluble in C_6H_6, slightly soluble in Et_2O, very soluble in EtOH, MeOH, Me_2CO, H_2O, dioxane.

2301 Malic acid

6915-15-7 5730 G H P



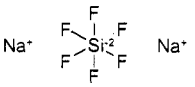
$C_4H_6O_5$

(±)-1-Hydroxy-1,2-ethanedicarboxylic acid.

AI3-06292; Apple acid; Butanedioic acid, hydroxy-; Caswell No. 537; CCRIS 2950; CCRIS 6567; Deoxytetraric acid; dl-Malic acid; DL-Malic acid; EINECS 210-514-9; EINECS 230-022-8; EPA Pesticide Chemical Code 051101; FDA 2018; FEMA Number 2655; HSDB 1202; Hydroxybutandisäure; Hydroxybutanedioic acid; 2-Hydroxyethane-1,2-dicarboxylic acid; Hydroxysuccinic acid; α-Hydroxysuccinic acid; Kyselina hydroxy-butandiova; Kyselina jablecna; Malic acid; Malic acid, dl-; R,S(±)-Malic acid; Monohydroxybernsteinsäure; Musashi-no-Ringosan; NSC 25941; Pomalus acid; Succinic acid, hydroxy-. Used in manufacture of esters and salts, wines; chelating agent, food acidulant, flavoring. Registered by EPA (cancelled). [DL-form; 617-48-1]: crystals, mp = 131 - 132°; soluble in MeOH (83 g/100 ml), Et_2O (0.84 g/100 ml), EtOH (46 g/100 ml), Me_2CO (18 g/100 ml), dioxane (23 g/100 ml), H_2O (56 g/100 ml), insoluble in C_6H_6; [D-(+)-form; 636-61-3]: crystals, mp = 101°; [L-(-)-form: 97-67-6]: crystals, mp = 100°; dec. 140°; $[\alpha]_D$ = -2.3° (c = 8.5); soluble in MeOH (197 g/100 ml), Et_2O (3 g/100 ml), EtOH (87 g/100 ml), Me_2CO (61 g/100 ml), dioxane (74 g/100 ml), H_2O (36 g/100 ml), insoluble in C_6H_6. *Allchem Ind.; Fluka; Haarmann & Reimer GmbH; Janssen Chimica; Lancaster Synthesis Co.*

2302 Malladrite

16893-85-9 8698 G P



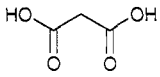
F_6Na_2Si

Silicate(2-), hexafluoro-, disodium.

AI3-01501; Caswell No. 771; Destruxol applex; Disodium hexafluorosilicate; Disodium hexafluorosilicate (2-); Disodium silicofluoride; EINECS 240-934-8; Ens-zem weevil bait; ENT 1,501; EPA Pesticide Chemical Code 075306; Fluorosilicate de sodium; Fluosilicate de sodium; HSDB 770; Natriumhexafluorosilicat; Natriumsilico-fluorid; Ortho earwig bait; Ortho weevil bait; Prodan; PSC Co-Op weevil bait; Safsan; Salufer; Silicate(2-), hexafluoro-, disodium; Silicon sodium fluoride; Sodium fluorosilicate; Sodium fluosilicate; Sodium hexafluorosilicate; Sodium hexafluosilicate; Sodium silica fluoride; Sodium silicofluoride; Sodium silicon fluoride; SSF; Super prodan; UN2674. Fluoridation, laundry soaps, opalescent glass, vitreous enamel frits, metallurgy (aluminum and beryllium), insecticides, rodenticides, chemical intermediate, glue, leather and wood preservative, moth repellent, manufacture of pure silicon. Used in enamels and as a moth repellent, insecticide and rodenticide. Registered by EPA as an insecticide (cancelled). White granules; d ■ 2.68; soluble in H_2O (0.66 g/100 ml at 25°, 2.5 g/100 ml at 100°), very slightly soluble in EtOH; LD_{50} (rat orl) = 125 mg/kg. *Alfa Aesar; Faezy & Besthoff; ICN Biomedical Res. Products; LaRoche Ind.; Mitsui Toatsu; Pfalz & Bauer; Riedel de Haen (Chinosolfabrik); Whiting Peter Ltd.*

2303 Malonic acid

141-82-2 5732 G



$C_3H_4O_4$

Methanedicarboxylic acid.

4-02-00-01874 (Beilstein Handbook Reference); AI3-15375; BRN 1751370; Carboxyacetic acid; Dicarboxy-methane; EINECS 205-503-0; Kyselina malonova; Malonic acid; Methanedicarboxylic acid; NSC 8124; Propanedioic acid; USAF EK-695. Intermediate in manufacture of barbiturates and other pharmaceuticals. Crystals; mp ■ 135° (dec); d^{10} ■ 1.619; λ_m = 228 nm (ε = 219, MeOH); very soluble in H_2O (153 g/100 ml), C_5H_5N, soluble in EtOH, Et_2O, insoluble in C_6H_6. *Greeff R.W. & Co.; Lonzagroup; Penta Mfg.; Sigma-Aldrich Fine Chem.*

2304 Maltodextrin

9050-36-6 E H

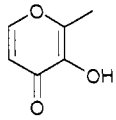
$[C_6H_{10}O_5]_n$

Maltodextrin.

C*Dry MD®; Dextrin, malto; Glucidex®; Lycatab DSH®; Maltagran®; Maltodextrin; Maltodextrin 24DE; Maltodextrin I; Maltrin®; Mar Rex 1918; Paselli®; Snowflake; Star-Dri®; Wickenol® 550.; Absorbent for lipophilic materials for powder bath applications; foodgrade carrier for flavors. Coating agent, tablet and capsule diluent; tablet binder and viscosity-increasing agent. FDA GRAS, in the FDA list of inactive ingredients, (oral tablets and granules). Nonsweet nutritive polymer, carrier, bulking agent, adsorbent for pharmaceuticals. Used in non-parenteral medicines. White powder; d = 1.334 - 1.425; freely soluble in H_2O, slightly soluble in anhydrous EtOH; pH = 4-7; viscosity of 20% aqueous solution = 3.45 mPa. Non-toxic. *Am. Maize Products; Avebe UK; Chemcentral; Grain Processing; Kingfood Australia; National Starch & Chem. UK; Roquette UK; Sigma-Aldrich Fine Chem.; Sweeteners Plus; Welding; Westin; Zumbro.*

2305 Maltol

118-71-8 5735 G



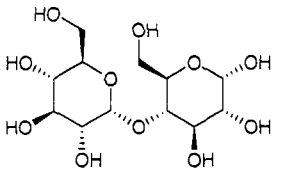
$C_6H_6O_3$

2-Methyl-3-hydroxy-4-pyrone.

5-18-01-00114 (Beilstein Handbook Reference); AI3-18547; BRN 0112169; CCRIS 3467; Corps praline; EINECS 204-271-8; FEMA No. 2656; 3-Hydroxy-2-methyl-4-pyrone; 3-Hydroxy-2-methyl-γ-pyrone; 3-Hydroxy-2-methyl-4H-pyran-4-one; Larixic acid; Larixinic acid; Maltol; 2-Methyl-3-hydroxypyrone; 2-Methyl-3-oxy-γ-pyrone; 2-Methyl pyromeconic acid; NSC 2829; Palatone; 4H-Pyran-4-one, 3-hydroxy-2-methyl-; Talmon; Vetol. Flavoring agent Prisms; mp = 161.6°; bp sublimes at 93°; λ_m = 214, 277 nm (ε = 10900, 8360, MeOH); insoluble in petroleum ether, slightly soluble in H_3O, Et_2O, C_6H_6; soluble in Me_2CO, very soluble in Me_2CO. *Pfizer Group Ltd.; Pfizer Inc.*

2306 Maltose

69-79-4 5736 G



$C_{12}H_{22}O_{11} \cdot H_2O$

4-O-α-D-glucopyranosyl-D-glucose.

Malt sugar; Maltobiose; Maltos; Martos-10. Malt sugar, an isomer of cellobiose; nutrient, sweetener, culture media, stabilizer for polysulfides, brewing. [Monohydrate]: White crystals; mp = 102 - 103°; $[\alpha]_D^{20}$ = +112°→+130.4° (c = 4); soluble in H_2O, EtOH, insoluble in organic solvents. *Am. Biorganics; Avebe BV; Penta Mfg.; Pfanstiehl Labs Inc.*

2307 Mancozeb

8018-01-7 5738 P

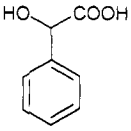
$C_4H_6MnN_2S_4.C_4H_6N_2S_4Zn$

(Ethylenebis(dithiocarbamato))manganese mixture with (ethylenebis(dithiocarbamato))zinc.

Acarie M; Agrox 16D; Blecar MN; Carbamic acid, ethylenebis(dithio-, manganese zinc complex; Carm-azine, Caswell No. 913A; CCRIS 2495; Crittox MZ; Dithane 945; Dithane DG; Dithane LF; Dithane M 45; Dithane M 45 Poudrage; Dithane S 60; Dithane SPC; Dithane ultra; EPA Pesticide Chemical Code 014504; {(1,2-Ethanediylbis(carbamodithioato))(2-)} manganese mixture; (Ethylenebis(dithiocarbamato))manganese mix-ture with(ethylenebis(dithiocarbamato))zinc; Ethylene-bis-(dithiocarbamic acid) manganese zinc complex; F 2966; Fore; Green-daisen M; HSDB 6792; Indofil M 45; Karamate; Karamate N; Kascade; Liro manzeb; Mancofol; Mancomix; Mancozeb; Mancozebe; Mancozi; Mancozin; Maneb-zinc; Maneb-zineb-komplex; Maneb-zineb-mischkomplex; Mangan-zink-äthylendiamin-bis-dithio-carbamat; Mangan-zink-aethylendiamin-bis-dithio-carb-amat; Manganese ethylenebis(dithiocarbamate) (poly-meric) complex with zinc salt; Manoseb; Manzate 200; Manzeb; Manzin; Manzin 80; Marzidan; Marzin; Milcozebe; Nemispor; Novozir MN 80; Othane M 45; Pace; Penncozeb; Policar MZ; Policar S; Sandozebe; Tanzeo M45; Thane M45; Tritogol MZ; Vondozeb; Vondozeb plus; Ziman-Dithane; Zimanat; Zimaneb; Zinc manganese ethylenebisdithiocarbamate; Zineb-maneb mixture. A protectant fungicide for fruit, field crops, and roses. Used for control of potato blight and rust, blight and mildew in winter wheat. Registered by EPA as a fungicide. Grey-yellow powder; dec. 192-194°; insoluble in H_2O and most organic solvents; generally low toxicity, LD_{50} (rat orl) > 5000 mg/kg, (rat sc) > 10000 mg/kg, (rbt) > 5000 mg/kg. *Agrimont; Akzo Chemie; All-India Medical; Crystal; Diachem; DuPont; Ercros; Pan Britannica Industries Ltd.; Pennwalt Holland; Rohm & Haas Co.; Rohm & Haas UK; Sanachem; Shell UK.*

2308 Mandelic acid

90-64-2 5739 G



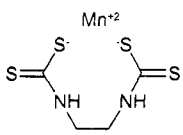
$C_8H_8O_3$

Phenylglycolic acid.

Acido mandelico; AI3-06293; Almond acid; Amygdalic acid; Benzeneacetic acid, α-hydroxy-; EINECS 202-007-6; EINECS 210-277-1; Glycolic acid, phenyl-; α-Hydroxybenzeneacetic acid; α-Hydroxybenzeneacetic acid, (±)-; (±)-α-Hydroxybenzeneacetic acid; (±)-α-Hydroxyphenylacetic acid; DL-2-Hydroxy-2-phenylacetic acid; α-Hydroxyphenylacetic acid; DL-Hydroxy(phenyl)-acetic acid; (±)-2-Hydroxy-2-phenylethanoic acid; α-Hydroxy-α-toluic acid; α-Toluic acid, α-hydroxy-; 2-Phenyl-2-hydroxyacetic acid; 2-Phenylglycolic acid; Kyselina 2-fenyl-2-hydroxyethanova; Kyselina mandlova; Mandelic acid; (±)-Mandelic acid; dl-Mandelic acid; p-Mandelic acid; (RS)-Mandelic acid; NSC 7925; Paramandelic acid; Phenylglycolic acid; Phenylhydroxy-acetic acid; Racemic mandelic acid; Uromaline. Used in organic synthesis and in medicine as a urinary antiseptic. Alternate CAS RN [611-72-3]. Crystals; mp = 119°; d = 1.30; soluble in H_2O (15.9 g/100 ml), more soluble in organic solvents. *Grace W.R. & Co.; Greeff R.W. & Co.*

2309 Maneb

12427-38-2 5743 G P



$C_4H_6MnN_2S_4$

Manganese, [[1,2-ethanediylbis[carbamodithioato]](2-)]-.

AAmangan; Agrox flowable; Agrox N-M; AI3-14875; Akzo chemie maneb; BASF-maneb spritzpulver; Carbamic acid, ethylenebis(dithio-, manganese salt; Caswell No. 539; CCRIS 1107; Chem neb; Chloroble M; CR 3029; Curzate M; Delsene M; Diphar; Dithane M 22; Dithane M 22 special; EINECS 235-654-8; ENT 14,875; EPA Pesticide Chemical Code 014505; Ethylenebis(dithiocarbamato), manganese; Ethylenebis-dithiocarbamate manganese; F 10 (Pesticide); Farmaneb; Granol NM; Griffin manex; HSDB 4063; Kypman 80; Lonocol M; Luxan maneb 80; M-Diphar; Maneb; Maneb 80; Maneb-R; Maneb ZL4; Maneba; Manebe; Manebe 80; Manebgan; Manesan; Manex; Manganese ethylene-1,2-bis-dithiocarbamate; Manzate; Manzate D; Manzin; MEB; MnEBD; Nereb; Nespor; Plantifog 160M; Polyram M; Remasan chloroble M; Rhodianebe; Sopranebe; Sup'r flo; Tersan LSR; Trimangol; Trimangol 80; Tubothane; UN2210; UN2968; Unicrop maneb; Vancide Maneb 80; Vancide Maneb 90. Fungicide with protective action. Used in control of many fungal diseases, e.g. blight, leaf spot, rust, downy mildew, scab. Registered by EPA as a fungicide. Yellow powder; dec. 192-204°; insoluble in H_2O and common solvents; LD_{50} (rat orl) > 5000 mg/kg, (rat, rbt der) > 5000 mg/kg; LC_{50} (rat ihl 4hr.) = 3.8 mg/l air, (mallard duck, bobwhite quail 8 day dietary) > 10000 mg/kg diet, (carp 48 hr.) = 1.8 mg/l; non-toxic to bees. *BASF Corp.; Chiltern Farm Chemicals Ltd; Crystal; Cumberland; Drexel Chemical Co.; DuPont; MTM AgroChemicals Ltd.; Pennwalt Holland; Rohm & Haas Co.; Schering AG; Universal Crop Protection Ltd.; WBC Technology Ltd.*

2310 Manganese

7439-96-5 5745 G

Mn

Mn

Manganese.

CCRIS 1579; Colloidal manganese; Cutaval; EINECS 231-105-1; HSDB 550; Magnacat; Mangan; Mangan nitridovany; Manganese; Manganese, elemental; Manganese fume; Manganese metal alloy; Tronamang. Used in ferroalloys and steel manufacture; improves corrosion resistance and hardness in nonferrous alloys; purifying and scavenging agent in metal production; manufacture of aluminum. Metal; mp = 1244°; bp = 2095°. *Atomergic Chemetals; Cerac; Kerr-McGee.*

2311 Manganese borate

12228-91-0 5747 G

BH_3 Mn^{2+} O^{2-}

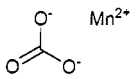
$MnB_4O_7.8H_2O$

Tetraboron manganese heptaoxide.

Boron manganese oxide (B_4MnO_7); EINECS 235-446-7; Manganese borate; Siccative; Tetraboron manganese heptaoxide. Mixed with linseed oil and resin, used as a drying agent for impregnating leather. Insoluble in H_2O, organic solvents.

2312 Manganese carbonate

598-62-9 5749 G



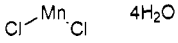
$CMnO_3$

Carbonic acid manganese salt.

Carbonic acid, manganese(2+) salt (1:1); CCRIS 3660; EINECS 209-942-9; HSDB 790; Manganese carbonate; Manganese carbonate (1:1); Manganese carbonate ($MnCO_3$); Manganese(2+) carbonate; Manganese(2+) carbonate (1:1); Manganese(II) carbonate; Manganese white; Manganous carbonate; Natural rhodochrosite; NSC 83512; Elastocarb Tech Light, Tech Heavy; Magocarb-33. Inorganic filler providing flame retardancy and smoke suppression to elastomers, plastics, and thermosets such as EPDM, PP, PE and PVC; used in wire and cable compounds, conduit/tubing, film and sheet. A pigment, also used as a drier for varnishes and in animal feeds. Solid; d = 3.1; soluble in acids; insoluble in alcohol, H_2O; incompatible with formaldehyde; heated to decomposition emits acrid smoke and irritating fumes. *Allchem Ind.; Chemisphere; Fluka; Giulini; Lohmann; Lonzagroup; Magnesia GmbH; Mallinckrodt Inc.; Marine Magnesium; Martin Marietta; Morton Intn'l.*

2313 Manganese chloride

7773-01-5 5751 G



$Cl_2Mn.4H_2O$

Manganese(II) chloride tetrahydrate.

CCRIS 6882; EINECS 231-869-6; HSDB 2154; Manganese bichloride; Manganese chloride; Manganese chloride ($MnCl_2$); Manganese chloride anhydrous; Manganese dichloride; Manganese(II) chloride; Manganous chloride; Mangatrace; NSC 9879; Scacchite. Mineral supplement. Red monoclinic crystals; mp ■ 58°; d = 2.01; soluble in H_2O (1.43 g/ml), EtOH, insoluble in organic solvents; LD_{50} (mus sc) = 180-250 mg/kg. *Armour Pharm. Co. Ltd.*

2314 Manganese dioxide

1313-13-9 5753 G

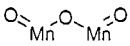
MnO_2

Manganese(IV) oxide.

AI3-52833; Black manganese oxide; BOG manganese; Braunstein; Bruinsteen; C.I. 77728; C.I. Pigment Brown 8; C.I. Pigment Black 14; Cement Black; EINECS 215-202-6; Glassmaker's soap; KM Manganese Dioxide; Mangaanbioxyde; Mangaandioxyde; Mangandioxid; Manganese (biossido di); Manganese (bioxyd de); Manganese (diossido di); Manganese (dioxyde de); Manganese binoxide; Manganese Black; Manganese dioxide; Manganese oxide (MnO_2); Manganese peroxide; Manganese superoxide; Pyrolusite Brown. Oxidizing agent, used in pyrotechnics, matches, catalyst, laboratory reagent, scavenger and decolorizer, textile dyeing, source of metallic manganese (as pyrolusite). Used in AB and SB battery active grades 90% minimum MnO_2 for use in Leclanché, alkaline and zinc chloride dry cell batteries. Black powder; mp = 535° (dec); d ■ 5.0260; insoluble in cold water, nitric or cold sulfuric acid; LD_{50} (rbt iv) ■ 45 mg/kg. *Atomergic Chemetals; Eagle-Picher; Hoechst Celanese; Kerr-McGee; Nichia Kagaku Kogyo; Sigma-Aldrich Fine Chem.*

2315 Manganese sesquioxide

1317-34-6 5761 G



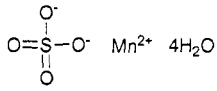
$Mn_2O_3 \cdot H_2O$

Manganese(III) oxide.

Brown manganese ore; Dimanganese trioxide; EINECS 215-264-4; Manganese manganate; Manganese oxide (Mn_2O_3); Manganese sesquioxide; Manganese sisquioxide; Manganese trioxide; Manganese(3+) oxide; Manganese(III) oxide; Manganic oxide. A hydrated oxide of manganese. Black powder; d ■ 4.50; insoluble in H_2O, soluble in HCl.

2316 Manganese sulfate

7785-87-7 5763 G



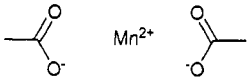
$MnO_4S.4H_2O$

Manganese(II) sulfate.

CCRIS 6916; EINECS 232-089-9; HSDB 2187; Man-Gro; Manganese monosulfate; Manganese sulfate; Manganese sulfate ($MnSO_4$); Manganese sulfate anhydrous; Manganese sulphate; Manganese(2+) sulfate (1:1); Manganese(II) sulfate; Manganous sulfate; NCI C61143; Sorba-spray Mn; Sorba-Spray Manganese; Sulfuric acid, manganese (II) salt (1:1); Sulfuric acid, manganese(2+) salt (1:1). Used in fertilizers, feed additive, paints and varnishes, ceramics, textile dyes, medicine, fungicide, ore flotation, catalyst in viscose process, synthetic manganese dioxide. Solid; mp = 700°; bp ■ 850°; d = 2.9500. *Chemetall Chem. products; Mallinckrodt Inc.; Nihon Kagaku Sangyo; Sigma-Aldrich Fine Chem.*

2317 Manganous acetate

638-38-0 5746 G H



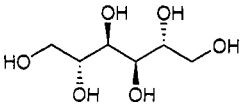
$C_4H_6MnO_4$

Acetic acid, manganese(II) salt (2:1).

Acetic acid, manganese(2+) salt; Acetic acid, manganese(II) salt (2:1); Diacetylmanganese; EINECS 211-334-3; HSDB 5734; Manal; Manganese acetate; Manganese acetate ($Mn(OAc)_2$); Manganese(2+) acetate; Manganese(II) acetate; Manganese diacetate; Manganous acetate; Octan manganaty. Used as a dye mordant and as a drier for paints and varnishes. Used in textile dyeing, oxidation catalyst, paint and varnish drier, fertilizer, food packaging, feed additive. Crystals; d = 1.59; soluble in H_2O, EtOH; LD_{50} (rat orl) = 3.73 g/kg. *Atomergic Chemetals; Hoechst Celanese; Mechema Chemicals Ltd.; Nihon Kagaku Sangyo; Spectrum Chem. Manufacturing; Verdugt BV.*

2318 Mannitol

69-65-8 5769 D



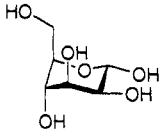
$C_6H_{14}O_6$

D-Mannitol.

4-01-00-02841 (Beilstein Handbook Reference); BRN 1721898; CCRIS 369; Cordycepic acid; Diosmol; EINECS 200-711-8; HSDB 714; Invenex; Isotol; Maniton-S; Manna sugar; Mannazucker; Mannidex; Mannigen; Mannistol; Mannit; Mannite; Mannitol; D-Mannitol; Mannitol, D-; Mannogem 2080; Marine Crystal; Mushroom sugar; NCI-C50362; NSC 407017; Osmitrol; Osmofundin; Osmosal; Resectisol; SDM No. 35. Used in organic synthesis and as a base for dietetic foods, diluent, determination of boron, pharmaceutical products, medicine, thickener, and stabilizer in food products. White crystals; mp = 168°; $bp^{3.5}$ = 295; d^{20} = 1.489; $[\alpha]_D^{20}$= +23°→+24°; very soluble in H_2O, less soluble in EtOH, Et_2O, C_5H_5N. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

2319 Mannose

3458-28-4 5772 G



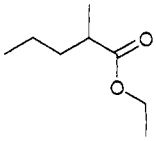
$C_6H_{12}O_6$

D-Mannose.

AI3-18442; Carubinose; Mannose; Mannose, D-; (+)-Mannose; D-Mannose; D(+)-Mannose; EINECS 222-392-4; NSC 26247; Seminose. Orthorhombic prisms; mp = 132° (dec); d^{20} = 1.539; $[\alpha]_D^{20}$= -17° → +14.6° (c = 3, H_2O); insoluble in Et_2O, C_6H_6, slightly soluble in EtOH, MeOH, very soluble in H_2O.

2320 Manzanate

39255-32-8 G



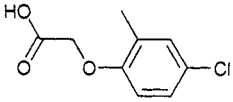
$C_8H_{16}O_2$

Ethyl-2-methyl pentanoate.

AI3-33618; EINECS 254-384-1; Ethyl 2-methylpentanoate; Ethyl 2-methylvalerate; Ethyl α-methylvalerate; FEMA No. 3488; Pentanoic acid, 2-methyl-, ethyl ester. Oil with a natural, fruity, pineapple odor. Used in specialty perfumes and fruit flavorings. Oil; bp_{15} = 60°; d^{25} = 0.861-0.865. *Quest Intl.*

2321 MCPA

94-74-6 5787 G H P



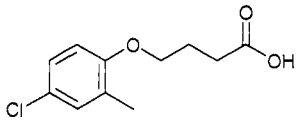
$C_9H_9ClO_3$

(4-Chloro-o-tolyloxy)acetic acid.

2,4-MCPA; 2M-4Ch; 2M-4Kh; 4K-2M; 4-06-00-01991 (Beilstein Handbook Reference); Acetic acid, ((4-chloro-o-tolyl)oxy)-; Acme MCPA Amine 4; Agroxon; Agroxone; Anicon kombi; Anicon M; B-Selektonon M; Banvei M; BH MCPA; Bordermaster; BRN 2051752; Brominal M & plus; Casweil No. 557C; CCRIS 1022; Cekherbex; Chiptox; Chwastox; Chwastox 30; Chwastox Extra; CMP acetate; Cornox-M; Ded-weed; Dicopur-M; Dikotex; EINECS 202-360-6; Emcepan; Empal; EPA Pesticide Chemical Code 030501; FLUID 4; Hedapur M 52; Hedarex M; Hedonal; Hedonal M; Herbicide M; Hormotuho; Hornotuho; HSDB 1127; Kilsem; Krezone; Kwas 4-chloro-2-metylofenoksyoctowy; Kyselina 4-chlor-2-methylfenoxyoctova; Legumex DB; Leuna M; Leyspray; Linormone; M 40; MCP; MCP ester; MCPA; MCPA Concentrate Weedone MCPA ester; MCPA Ester; MCPA Weedar; MCPA [Chlorophenoxy herbicides]; Mephanac; Metaxon; Methoxone; Methylchlorophenoxyacetic acid; Netazol; NSC 2351; Okultin M; Phenoxylene 50; Phenoxylene plus; Phenoxylene super; Raphone; Razol dock killer; Rhomenc; Rhomene; Rhonox; Selektonon M; Seppic MMD; Shamrox; Soviet technical herbicide 2M-4C; Trasan; U 46 M-Fluid; Ustinex; Vacate; Vesakontuho; Vesakontuho MCPA; Weed-rhap; Weedar; Weedar MCPA Concentrate; Weedar Sodium MCPA; Weedone; Weedone MCPA ester; Zelan. Selective, systemic, hormone-like herbicide used for post-emergence control of annual and perennial broad-leaved weeds in cereal crops and grassland. Registered by EPA as a herbicide. Colorless crystals; mp = 118-119°; λ_m = 227, 278, 285 nm (MeOH); soluble in H_2O (0.0825 g/100 ml), EtOH (153 g/100 ml), Et_2O (77 g/100 ml), C_7H_8 (6.2 g/100 ml), xylene (4.9 g/100 ml), C_7H_{16} (0.5 g/100 ml); LD_{50} (rat orl) = 700 mg/kg, (mus orl) = 550 mg/kg, (rat der) > 1000 mg/kg, (bobwhite quail orl) = 377 mg/kg; LC_{50} (rainbow trout 96 hr.) = 232 mg/l; non-toxic to bees. *Agrichem (International) Ltd.; Albaugh Inc.; Atlas Interlates Ltd; BritAg Ind. Ltd.; Farmers Crop Chemicals Ltd.; Fisons plc, Horticultural Div.; ICI Agrochemicals; Makhteshim Chemical Works Ltd.; Mirfield Sales Services Ltd; Murphy Chemical Co Ltd.; Rhône Poulenc Crop Protection Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Schering Agrochemicals Ltd.; Star Agrochem Ltd; Syngenta Crop Protection; Universal Crop Protection Ltd.*

2322 MCPB

94-81-5 G P



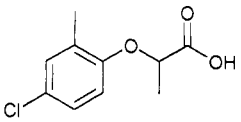
$C_{11}H_{13}ClO_3$

4-(4-Chloro-2-methylphenoxy) butyric acid.

4-06-00-01996 (Beilstein Handbook Reference); 4MCPB; Belmac Straight; Bexane; Bexone; BRN 2215202; Butanoic acid, 4-(4-chloro-2-methylphenoxy)-; Butyric acid, 4-((4-chloro-o-tolyl)oxy)-; Can-Trol; Caswell No. 558; CCRIS 1463; 4-(4-Chlor-2-methylphenoxy)-buttersaeure; 4-(4-Chlor-2-methylphenoxy)-buttersäure; 4-(4-Chloro-2-methylphenoxy)butanoate; 4-(4-Chloro-2-methylphenoxy)butanoic acid; 4-(4-Chloro-2-methyl-phenoxy)butyric acid; (4-Chloro-o-tolyloxy)butyric acid; 4-((4-Chloro-o-tolyl)oxy)butyric acid; EINECS 202-365-3; EPA Pesticide Chemical Code 019201; Fisons 18-15, MCPB; γ-(4-Chloro-2-methylphenoxy)butyric acid; γ-MCPB; HSDB 1737; Kyselina 4-(4-chlor-2-methyl-fenoxy)maselna; Legumex; 2M 4KhM; 2,4-MCPB; MCP-butyric; 2-Methyl-4-chlorophenoxy γ-butyric acid; 2-Methyl-4-chlorophenoxybutyric acid; 4-(2-Methyl-4-chlorphenoxy)-buttersaeure; 4-(2-Methyl-4-chlor-phen-oxy)-buttersäure; 4-(2-Methyl-4-chlorophenoxy)-butyric acid; MCPB; MCPB - acid; NSC 102796; PDQ; Thitrol; Tropotox; Trotox; U46 MCPB. Selective systemic hormone-like herbicide. Used for post-emergence control of annual and perennial broad-leaved weeds in cereal and grassland. Used as a systemic fungicide active against chocolate spot disease in broad beans. White solid; mp = 99-100°; λ_m ■ 228, 279, 287 nm (ε = 9950, 1690, 1490 MeOH); soluble in H_2O (4.4 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 680 mg/kg. *Fisons plc, Horticultural Div.; MTM AgroChemicals Ltd.*

2323 MCPP

93-65-2 H P



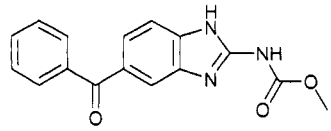
$C_{10}H_{11}ClO_3$

(±)-2-(4-Chloro-2-methylphenoxy)propanoic acid.

3-06-00-01266 (Beilstein Handbook Reference); Acide 2-(4-chloro-2-methyl-phenoxy)propionique; Acido 2-(4-cloro-2-metil-fenossi)-propionico; Anicon B; Anicon P; Astix; BRN 2212752; Caswell No. 559; CCRIS 1464; Celatox CMPP; Chipco turf herbicide mcpp; CMPP; Compitox; Duplosan New System CMPP; Duplosan® CMPP; EINECS 202-264-4; EINECS 230-386-8; EPA Pesticide Chemical Code 031501; FBC CMPP; HSDB 1738; Iso-Cornox; Isocarnox; Kilprop; Kwas 4-chloro-2-metylofenoksypropionowy; Kyselina 2-(4-chlor-2-methylfenoxy)propionova; Liranox; MCPP; 2-MCPP; 2M-4CP; 2M 4KhP; Mechlorprop; Mecomec; Mecopar; Mecopeop; Mecoper; Mecopex; Mecoprop; Mecoturf; Mecprop; Mepro; Methoxone; Morogal; N.b. mecoprop; NSC 60282; Okultin MP; Propanoic acid, 2-(4-chloro-2-methylphenoxy)-; Propionic acid, 2-(4-chloro-2-methylphenoxy); Proponex-plus; Rankotex; RD 4593; Runcatex; SYS 67 Mecmin; U 46 KV Fluid; Vi-Par; Vi-Pex. Selective herbicide for control of broadleaf weeds in cereals, meadows, pastures. Registered by EPA as a herbicide. Colorless crystals; mp = 94-95°; soluble in H_2O (0.062 g/100 ml), Me_2CO (> 100 g/100 ml), $CHCl_3$ (33.9 g/100 ml), Et_2O (> 100 g/100 ml), EtOH (> 100 g/100 ml), EtOAc (82.5 g/100 ml); LD_{50} (rat orl) = 930-1166 mg/kg, 1050 mg/kg, (rat der) > 4000 mg/kg, (quail orl) = 500 mg/kg; LC_{50} (trout 96 hr.) = 150 - 220 mg/l, non-toxic to bees. *Agrichem (International) Ltd.; Akzo Chemie; Aventis Crop Science; BASF Corp.; Bayer AG; BritAg Ind. Ltd.; Cleanacres Ltd.; Farmers Crop Chemicals Ltd.; Fermenta; Marks; Rhône Poulenc Crop Protection Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Rhône-Poulenc; Rigby Taylor Ltd.; SBC Technology Ltd.; Schering Agrochemicals Ltd.; Schering; Universal Crop Protection Ltd.*

2324 Mebendazole

31431-39-7 5791 D G V



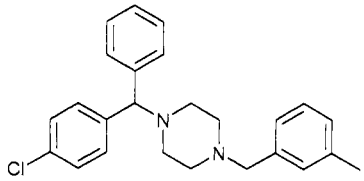
$C_{16}H_{13}N_3O_3$

Methyl 5-benzoyl-2-benzimidazolecarbamate.

Bantenol; (5-Benzoyl-1H-benzimidazol-2-yl)carbamic acid methyl ester; 5-Benzoyl-2-benzimidazolecarbamic acid methyl ester; Besantin; CCRIS 4479; EINECS 250-635-4; Equi-Vurm Plus; Equivurm Plus; HSDB 3232; Lomper; MBDZ; Mebendazol; Mebendazole; Mebendazolum; Mebenvet; Mebutar; Methyl 5-benzoyl-2-benzimidazolecarbamate; Noverme; NSC 184849; Ovitelmin; Pantelmin; R 17635; Telmin; Vermex; Vermicidin; Vermirax; Vermox; Verpanyl. Anthelmintic. Targets nematodes. Used as a veterinary anthelmintic, especially with horses. Crystals; mp = 288.5°; insoluble in H_2O, EtOH, Et_2O, $CHCl_3$; soluble in formic acid; LD_{50} (sheep orl) > 80 mg/kg, (mus, rat, chk) > 40 mg/kg. *Janssen Chimica; Janssen Pharm. Ltd.*

2325 Meclizine

569-65-3 5800 D



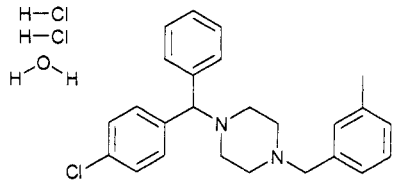
$C_{25}H_{27}ClN_2$

1-(p-Chloro-α-phenylbenzyl)-4-(m-methylbenzyl)-piperazine.

5-23-01-00235 (Beilstein Handbook Reference); Ancolan; Bonadettes; Bonine; BRN 0332002; Calmonal; Chiclida; EINECS 209-323-3; Histamethine; Histamethizine; Histametizine; Histametizyne; HSDB 3113; Itinerol; Marex; Meclizine; Meclozina; Meclozine; Meclozinum; Monamine; Navicalm; Neo-istafene; Neo-suprimal; Neo-suprimel; NSC 169189; Parachloramine; Peremesin; Postafene; Ravelon; Sabari; Sea-Legs; Siguran; Suprimal; Travelon; UCB 170; UCB 5062; Vibazine; Vomisseis. Antiemetic. bp2= 230°; soluble in CS_2. *KV Pharm.; Pfizer Intl.; Roerig Div. Pfizer Pharm.*

2326 Meclizine Hydrochloride

31884-77-2 5800 D



$C_{25}H_{29}Cl_3N_2.2H_2O$

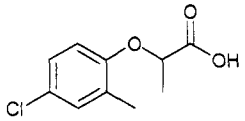
1-(p-Chloro-α-phenylbenzyl)-4-(m-methylbenzyl)piperazine dihydrochloride monohydrate.

UCB-5062; Ancolan; Antivert; Bonamine; Bonine; Calmonal; Diadril; Histametizine; Navicalm; Neo-Istafene; Peremesin; Postafene;

Sabari; Sea-Legs; Veritab. Antiemetic. Solid; insoluble in H_2O (0.1 g/100 ml); freely soluble in $CHCl_3$, C_5H_5N. *KV Pharm.; Pfizer Intl.; Roerig Div. Pfizer Pharm.*

2327 Mecoprop

7085-19-0 5807 G P



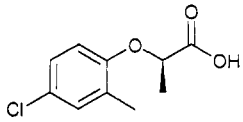
$C_{10}H_{11}ClO_3$

(±)-2-(4-Chloro-2-methylphenoxy)propanoic acid.

3-06-00-01266 (Beilstein Handbook Reference); Acide 2-(4-chloro-2-methyl-phenoxy)propionique; Acido 2-(4-cloro-2-metil-fenossi)-propionico; Anicon B; Anicon P; BRN 2212752; Caswell No. 559; CCRIS 1464; Celatox CMPP; Chipco turf herbicide mcpp; 2-(4-Chloor-2-methyl-fenoxy)-propionzuur; 2-(4-Chlor-2-methyl-phenoxy)-propionsaeure; 2-(4-Chlor-2-methyl-phenoxy)-prop-ionsäure; 2-(4-Chloro-2-methylphenoxy)propanoic acid; 2-(4-Chloro-2-methylphenoxy)propionic acid; 4-Chloro-2-methylphenoxy-α-propionic acid; 2-(4-Chlorophenoxy-2-methyl)propionic acid; 2-(4-Chloro-o-tolyl)oxylprop-ionic acid; 2-(4-Chloro-2-tolyloxy)propionic acid; 2-(p-Chloro-o-tolyloxy)propionic acid; (+)-α-(4-Chloro-2-methylphenoxy) propionic acid; (±)-2-((4-Chloro-o-tolyl)oxy)propionic acid (8Cl); CMPP; Compitox; EINECS 202-264-4; EINECS 230-386-8; EPA Pesticide Chemical Code 031501; FBC CMPP; HSDB 1738; Iso-Cornox; Isocarnox; Kilprop; Kwas 4-chloro-2-metylofenoksy-propionowy; Kyselina 2-(4-chlor-2-methylfenoxy)-propionova; Liranox; 2M-4CP; 2M 4KhP; MCPP; 2-Mcpp; Mechlorprop; Mecomec; Mecopar; Mecoper; Mecopex; Mecoprop; Mecoturf; Mecprop; Mepro; Methoxone; 2-(2-Methyl-4-chlorophenoxy)propanoic acid; 2-(2-Methyl-4-chlorophenoxy)propionic acid; α-(2-Methyl-4-chloro-phenoxy)propionic acid; 2-(2-Methyl-4-chlorphenoxy)-propionsaeure; 2-(2-Methyl-4-chlorphenoxy)-propion-säure; Morogal; N.b. mecoprop; NSC 60282; Okultin MP; Propanoic acid, 2-(4-chloro-2-methylphenoxy)-; Prop-ionic acid, 2-(2-methyl-4-chlorophenoxy)-; Propionic acid, 2-((4-chloro-o-tolyl)oxy)-; Proponex-plus; Rankotex; RD 4593; Runcatex; SYS 67 Mecmin; U 46 KV Fluid; Vi-Par; Vi-Pex; 2-(4-Chlor-2-methyl-phenoxy)-propion-saeure; 2-(4-Chloro-2-methylphenoxy)propionic acid; (+)-α-(4-Chloro-2-methylphenoxy) propionic acid; 2-(4-Chloro-2-methylphenoxy)propanoic acid; 4-Chloro-2-methylphenoxy-α-propionic acid; 2-(4-Chlorophenoxy-2-methyl)propionic acid; 2-(4-Chloro-2-tolyloxy)propionic acid; 2-(4-Chloro-o-tolyl)oxylpropionic acid; (±)-2-((4-Chloro-o-tolyl)oxy)propionic acid (8Cl); 2-(p-Chloro-o-tolyloxy)propionic acid; CMPP; Compitox; EINECS 202-264-4; EINECS 230-386-8; EPA Pesticide Chemical Code 031501; FBC CMPPHSDB 1738; Iso-Cornox; Isocarnox; Kilprop; Kwas 4-chloro-2-metylofenoksypropionowy; Kyselina 2-(4-chlor-2-methylfenoxy)propionova; Liranox; MCPP; 2-Mcpp; 2M-4CP; 2M 4KhP; 2M4KhP; Mechlorprop; Mecomec; Mecopar; Mecopeop; Mecoper; Mecopex; Mecoprop; Mecoturf; Mecprop; Mepro; Methoxone; 2-(2-Methyl-4-chlorophenoxy)propionic acid; 2-(2-Methyl-4-chlorophenoxy)propanoic acid; 2-(2-Methyl-4-chlorphenoxy)-propionsäure; Morogal; N.b. mecoprop; NSC 60282; Okultin MP; Propanoic acid, 2-(4-chloro-2-methylphenoxy)-; Propionic acid, 2-(4-chloro-2-methylphenoxy); Propionic acid, 2-((4-chloro-o-tolyl)oxy)-; Proponex-plus; Rankotex; RD 4593; Runcatex; SYS 67 Mecmin; U 46 KV Fluid; Vi-Par; Vi-Pex. Selective, systemic hormone-type herbicide, absorbed by leaves, translocated to roots. Post emergence control of broad-leaf weeds such as clovers, chickweeds, plantains, cleavers and weeds in cereals and grassland. Registered by EPA as a herbicide. Colorless crystals; mp = 94-95°; soluble in H_2O (0.062 g/100 ml), Me_2CO (> 100 g/100 ml), $CHCl_3$ (33.9 g/100 ml), Et_2O (> 100 g/100 ml), EtOH (> 100 g/100 ml), EtOAc (82.5 g/100 ml); LD_{50} (rat orl) = 930-1166 mg/kg, 1050 mg/kg, (rat der) > 4000 mg/kg, (quail orl) ■ 500 mg/kg; LC_{50} (trout 96 hr.) = 150 - 220 mg/l, non-toxic to bees. *Agrichem (International) Ltd.; Akzo Chemie; Aventis Crop Science; BASF Corp.; Bayer AG; BritAg Ind. Ltd.; Cleanacres Ltd.; Farmers Crop Chemicals Ltd.; Fermenta; Marks; Rhône Poulenc Crop Protection Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Rhône-Poulenc; Rigby Taylor Ltd.; SBC Technology Ltd.; Schering Agrochemicals Ltd.; Schering; Universal Crop Protection Ltd.*

2328 Mecoprop-P

16484-77-8 H P



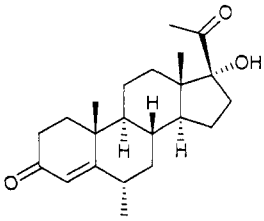
$C_{10}H_{11}ClO_3$

(R)-2-(4-Chloro-2-methylphenoxy)propanoic acid.

2M-4XP; Duplosan KV; EINECS 240-539-0; (+)-Mcpp; Mecoprop, D-; Mecoprop-P. Herbicide. Colorless crystals; mp = 95°; soluble in H_2O (0.086g/100 ml at 20°, pH 7), Me_2CO (> 79 g/100 ml), Et_2O (> 70 g/100 ml), EtOH (> 79 g/100 ml), CH_2Cl_2 (97 g/100 ml), C_6H_{14} (0.6 g/100 ml), C_7H_8 (28 g/100 ml); LD_{50} (rat orl) ■ 1050 mg/kg, (rat der) > 4000 mg/kg, (quail orl) ≅500 mg/kg; LC_{50} (rat ihl 4 hr.) > 5.6 mg/l air; (trout 96 hr.) = 1250 - 220 mg/l; non-toxic to bees. *BASF Corp.*

2329 Medroxyprogesterone

520-85-4 5817 D V



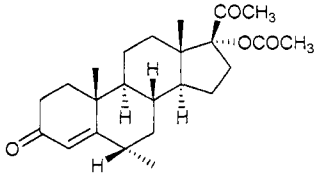
$C_{22}H_{32}O_3$

17α-Hydroxy-6α-methylprogesterone.

4-08-00-02211 (Beilstein Handbook Reference); Amen; BRN 2510965; Curretab; EINECS 208-298-6; HSDB 3114; Medrossiprogesterone; Medroxiprogesterona; Medroxiprogesteronum; Medroxyprogesteron; Medroxy-progesterone; Medroxyprogesteronum; NSC 27408; U 8840. Orally active progestogen used with estrogens (eg. ethinyl estradiol) in oral contraceptives. Used in veterinary medicine for estrus regulation. Crystals; mp = 214.5°; $[\alpha]_D^{25}$= 75° ($CHCl_3$); λ_m = 241 nm (ε 16000 EtOH); very soluble in $CHCl_3$. *Farmitalia Carlo Erba Ltd.; Pharmacia & Upjohn.*

2330 Medroxyprogesterone acetate

71-58-9 5817 D V



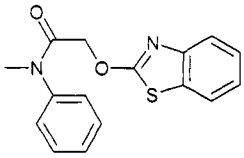
$C_{24}H_{34}O_4$

17α-Hydroxy-6α-methylprogesterone 17-acetate.

4-08-00-02212 (Beilstein Handbook Reference); AI3-60127; Amen; Aragest; Aragest 5; BRN 2066112; CCRIS 371; Clinofem; Clinovir; Curretab; Cycrin; Cykrina; Depcorlutin; Depo-Clinovir; Depo-Map; Depo-Prodasone; Depo-Progestin; Depo-Progevera; Depo-Promone; Depo-Provera; Depo-Provera Contraceptive; Depo-Ralovera; Depocon; Deporone; DMPA; DP150; Dugen; EINECS 200-757-9; Farlutal; Farlutin; G-Farlutal; Gestapuran; Hysron; Indivina; Lutopolar; Lutoral; MAP; Med-Pro; Medrosterona; Medroxyacetate progesterone; Medroxyprogesterone acetate; Mepastat; Meprate; Methylacetoxyprogesterone; Metigestrona; MPA-β; MPA GYM; MPA Hexal; MPA-Noury; Nadigest; Nidaxin; NSC 21171; NSC-26386; Oragest; Perlutex; Perlutex Leo; Prodasone; Progestalfa; Progeston; Progevera; Promone-E; Provera; Provera dosepak; Proverone; Ralovera; Repromap; Repromix; Sirprogen; Sodelut G; Sumiferm; Supprestral; Suprestral; U 8839; Veramix; Veraplex.; component of: Provest. Orally active progestogen once used with estrogens in oral contraceptives. Used in veterinary medicine for estrus regulation. White powder; mp = 220 - 223.5°; $[\alpha]_D^{25}$= 5° ($CHCl_3$); λ_m = 241 nm (ε 16000 EtOH). *Farmitalia Carlo Erba Ltd.; Pharmacia & Upjohn; Solvay Pharm. Inc.; Wyeth-Ayerst Labs.*

2331 Mefenacet

73250-68-7 5820 G P



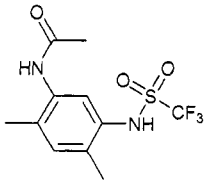
$C_{16}H_{14}N_2O_2S$

2-(2-Benzothiazolyloxy)-N-methyl-N-phenylacetamide.

Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-; 2-(2-Benzothiazolyloxy)-N-methyl-N-phenylacetamide; 2-(1,3-Benzothiazol-2-yloxy)-N-methylacetanilide; 2-(Benzothiazol-2-yloxy)-N-methyl-N-phenylacetamide; BRN 1143987; FOE 1976; Hinochloa; Mefenacet; NTN 801; Rancho. Selective herbicide, inhibits cell division. Used for control of grass weeds, especially *Echinochloa cur-galli* and cyperaceous weeds, pre- and early post-emergence in rice. Solid; mp = 135°; slightly soluble in H_2O (0.0004 g/100 ml at 20°), CH_2Cl_2 (> 20 g/100 ml), C_6H_{14} (0.01 - 0.10 g/100 ml), C_7H_8 (2 - 5 g/100 ml), i-PrOH (0.5 - 1.0 g/100 ml); LD_{50} (rat, mus, dog orl) > 5000 mg/kg, (rat, mus der) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.02 mg/l air; (carp 96 hr.) = 8.0 mg/l, (trout 96 hr.) ■ 6.8 mg/l. *Bayer AG; Bayer Corp., Agriculture.*

2332 Mefluidide

53780-34-0 5825 G P



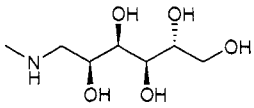
$C_{11}H_{13}F_3N_2O_3S$

N-(2,4-Dimethyl-5-(((trifluoromethyl)sulfonyl)amino)-phenyl)acetamide.

5'-Acetamido-2',4'-dimethyltrifluoromethanesulfonanili-de; Acetamide, N-(2,4-dimethyl-5-(((trifluoromethyl)-sulfonyl)amino)phenyl)-; 5-Acetamido-2,4-dimethyl-trifluoromethanesulfonanilide; Acetanilide, 2',4'-di-methyl-5'-((trifluoromethyl)sulfonamido)-; BRN 2819120; Echo; Em-bark; MBR12325; Mowchem; Trimcut; 2',4'-Dimethyl-5'-(trifluoromethanesulphonamido)acetanilide; Embark; Em-bark 2S; Embark plant growth regulator; MBR 12325; Mefluidide; Methafluoridamid; N-(2,4-Dimethyl-5-(((tri-fluoromethyl)sulfonyl)amino)phenyl)acetamide; 5'-(1,1,1-Trifluoromethanesulphonamido)acet-2',4'-xylidide; Trim-Cut; VEL 3973; Vistar; Vistar herbicide. Plant growth regulator and herbicide which inhibits growth and development of grasses. Used in lieu of grass cutting, e.g. on road verges and embankments. Registered by EPA as a herbicide. Crystalline solid; mp = 183-185°; soluble in H_2O (0.018 g/100 ml), C_6H_6 (0.031 g/100 ml), CH_2Cl_2 (0.21 g/100 ml), CH_3CN (6.4 g/100 ml), EtOAc (5 g/100 ml), n-octanol (1.7 g/100 ml), MeOH (31 g/100 ml), Me_2CO (35 g/100 ml), Et_2O (0.39 g/100 ml), xylene (0.12 g/100 ml); LD_{50} (rat orl) > 4000 mg/kg, (mus orl) = 1920 mg/kg, (rbt der) > 4000mg/kg, (mallard duck, bobwhite quail orl) > 4620 mg/kg; LC_{50} (mallard duck, bobwhite quail 8 day dietary) > 10000 mg/kg diet; (rainbow trout, bluegill sunfish 96 hr.) > 100 mg/l; non-toxic to bees. *Generic; Scotts Co.*

2333 Meglumine

6284-40-8 6102 G



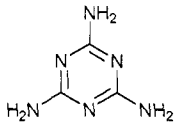
$C_7H_{17}NO_5$

1-Deoxy-1-(methylamino)-D-glucitol.

1-Deoxy-1-methylaminosorbitol; 1-Deoxy-1-(methyl-amino)-D-glucitol; EINECS 228-506-9; Glucitol, 1-deoxy-1-(methylamino)-, D-; D-Glucitol, 1-deoxy-1-(methyl-amino)-; Meglumin; Meglumina; Meglumine; Megium-inum; Methylglucamin; N-Methylglucamine; N-Methyl-D-glucamine; N-Methyl-D(-)-glucamine; D-(-)-N-Methyl-glucamine; N-Methylsorbitylamine; NSC 7391; NSC 52907; Sorbitol, 1-deoxy-1-methylamino-. Used in the synthesis of surfactants, pharmaceuticals and dyestuffs. Crystals; mp = 128.5°; $[\alpha]_D^{25}$= -16.4° (c ■ 10 H_2O); soluble in H_2O (100 g/100 ml), less soluble in organic solvents.

2334 Melamine

108-78-1 5834 H



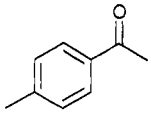
$C_3H_6N_6$

1,3,5-Triazine-2,4,6-triamine.

4-26-00-01253 (Beilstein Handbook Reference); ADK Stab ZS 27; Aero; AI3-14883; BRN 0124341; CCRIS 373; Cyanuramide; Cyanuric triamide; Cyanurotriamide; Cyanurotriamine; DG 002; DG 002 (amine); EINECS 203-615-4; Hicophor PR; HSDB 2648; Isomelamine; Mark ZS 27; Melamine; NCI-C50715; NSC 2130; Pluragard; Pluragard C 133; Spinflam ML 94M; Teoharn; Theoharn; Triaminotriazine; 1,3,5-Triazine-2,4,6-triamine; 2,4,6-Triaminotriazine; 2,4,6-Triamino-1,3,5-triazine; Virset 656-4; Yukamelamine; ZS 27. Crystals; mp ■ 345° (dec); sublimes; d^{16} ■ 1.573; insoluble in Et_2O, slightly soluble in H_2O, EtOH.

2335 Melilot

122-00-9 G



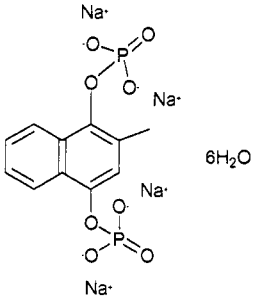
$C_9H_{10}O$

p-Methylacetophenone.

Acetophenone, 4'-methyl-; p-Acetotoluene; p-Acetyltoluene; 1-Acetyl-4-methylbenzene; AI3-00734; EINECS 204-514-8; Ethanone, 1-(4-methylphenyl)-; FEMA No. 2677; Melilotal; 4'-Methylacetophenone; p-Methyl aceto-phenone; p-Methylacetophenone; 1-Methyl-4-acetyl-benzene; 1-(4-Methylphenyl)ethanone; 4-Methylphenyl methyl ketone; Methyl p-tolyl ketone; NSC 9401; 1-p-Tolylethanone; Tolyl methyl ketone, p-. Extracted from the dried leaves and flowering tops of *Melilotus officinalis*. It imparts the honey-like fragrance of sweet clover, and is used for perfuming soap. Needles; mp = 28°; bp = 226°, bp7 = 93.5°; d^{20} ▪ 1.0051; λ_m = 252 nm (ε = 12300, MeOH); very soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$.

2336 Menadiol Sodium Diphosphate

131-13-5 5852 D G



$C_{11}H_8Na_4O_8P_2.6H_2O$

2-Methyl-1,4-naphthalenediol bis(dihydrogen phosphate) tetrasodium salt hexahydrate.

EINECS 205-012-1; Kappadione; Kipca water soluble; Menadiol sodium diphosphate; Menadiol tetrasodium diphosphate; Menadione diphosphate tetrasodium salt; Menadione sodium phosphate; Procoagulo; Sodium menadione diphosphate; Synkavit; Synkavite; Synkayvite; Thylokay. Vitamin, vitamin source. Prothrombogenic. Very soluble in H_2O; insoluble in MeOH, EtOH, Et_2O, Me_2CO. *Eli Lilly & Co.; Hoffmann-LaRoche Inc.*

2337 Menhaden Oil

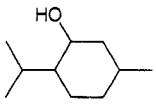
8002-50-4 5859 E H

Oils, menhaden.

Oil obtained from the small Atlantic fish, *Brevoortia tyrannus*. FDA listed. Used in nutritional supplements, used therapeutically and in soaps and creams. Yellow-brown oil; mp ▪ 38.5-47.2°; d ▪ 0.925-0.933; soluble in Et_2O, petroleum ether, C_6H_6, CS_2, naphtha, kerosene. *Abitec Corp.; Arista Ind.*

2338 Menthol

89-78-1 5861 G P



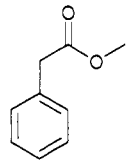
$C_{10}H_{20}O$

(±)-(1α,2β,5α)-5-Methyl-2-(1-methylethyl)cyclohexanol.

2-06-00-00052 (Beilstein Handbook Reference); 4-06-00-00151 (Beilstein Handbook Reference); 5-Methyl-2-(1-methylethyl)cyclohexanol, (1α,2beta,5α)-; BRN 1902288; BRN 3194263; CCRIS 375; CCRIS 4666; Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1R,2S,5R)-rel-; dl-Menthol; EINECS 239-388-3; FEMA No. 2665; Headache crystals; Hexahydrothymol; HSDB 593; Menthacamphor; p-Menthan-3-ol; Menthol; (±)-(1R*,3R*,4S*)-Menthol; (±)-Menthol; Menthol racemic; Menthol racemique; Menthomenthol; NCI-C50000; NSC 2603; Peppermint camphor; rac-Menthol; Racementhol; Racementholum; Racementol; Racemic menthol; Tra-kill tracheal mite killer. Insecticide. Registered by EPA as an insecticide and rodenticide. Also used in perfumery, cigarettes, liqueurs, flavoring agent, chewing gum, chest rubs, cough drops and nasal inhalers. Crystals with peppermint taste and odor; mp = 41 - 43°; bp = 212°; d = 0.89; $[\alpha]_D^{18}$ = -50° (c = 10 EtOH); slightly soluble in H_2O, very soluble in EtOH, $CHCl_3$, Et_2O, petroleum ether, AcOH; LD_{50} (rat orl) = 3180 mg/kg. *Janssen Chimica; Penta Mfg.; Quest Chemical Corp.; Robeco; Sigma-Aldrich Fine Chem.*

2339 Mephaneine

101-41-7 G



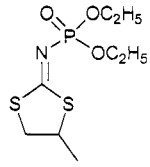
$C_9H_{10}O_2$

Methyl phenylacetate.

Acetic acid, phenyl-, methyl ester; AI3-01971; Benzeneacetic acid, methyl ester; EINECS 202-940-9; FEMA No. 2733; Methyl α-toluate; Methyl 2-phenylacetate; Methyl benzeneacetate; Methyl benzeneethanoate; Methyl phenylacetate; Methyl phenylethanoate; NSC 401667; Phenylacetic acid, methyl ester. Used in perfumery: Sweet Floral Fruity Honey Spice. Liquid; bp = 216.5°, d^{16} = 1.0622; λ_m ▪ 247, 252, 258, 264 nm (ε = 234, 268, 289, 214, MeOH); insoluble in H_2O, soluble in Me_2CO, CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 2550 mg/kg. *Bush Boake Allen; IFF.*

2340 Mephosfolan

950-10-7 5880 G P



$C_8H_{16}NO_3PS_2$

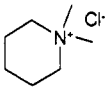
Diethyl (4-methyl-1,3-dithiolan-2-ylidene)phosphor-amidate.

AC 47470; AI3-25991; American Cyanamid CL-47470; CL-47,470; Cyclic propylene (diethoxyphosphinyl)-dithioimidocarbonate; Cyclic propylene P,P-diethyl phosphonodithioimidocarbonate; Cytrolane; (Diethoxy-phosphinyl)dithioimidocarbonic acid cyclic propylene ester; 2-(Diethoxyphosphinylimino)-4-methyl-1,3-dithio-lane; O,O-Diethyl(4-methyl-1,3-dithiolan-2-ylidene)phos-phoramidate; 1,3-Dithiolane, 2-(diethoxyphosphinyl-imino)-4-methyl-; EI-47470; ENT-25,991; HSDB 6411; Imidocarbonic acid, phosphonodithio-, cyclic propylene P,P-diethyl ester; Mephosfolan; Mephospholan; Phosphonodithioimidocarbonic acid cyclic propylene P,P-diethyl ester; Phosphoramidic acid, (4-methyl-1,3-dithiolan-2-ylidene)-,

diethyl ester; P,P-Diethyl cyclic propylene ester of phosphonodithioimidocarbonic acid; 1,2-Propanedithiol, cyclic ester with P,P-diethyl-phosphonodithioimidocarbonate. Insecticide and acaricide. Used for control of damsonhop aphid in hops. Amber liquid; $bp_{0.001}$ ▪ 120°; soluble in H_2O (0.0057 g/100 ml at 25°), EtOH, Me_2CO, C_6H_6; LD_{50} (mrat orl) = 8.9 mg/kg, (mus orl) = 11.3 mg/kg, (mrbt der) = 28.7 mg/kg, (Japanese quail orl) = 12.8 mg/kg, (bee topical) = 0.0035 mg/bee; LC_{50} (rainbow trout 96 hr.) = 2.1 mg/l, (carp 96 hr.) = 54.5 mg/l; toxic to bees. *American Cyanamid, Divn. AHP Corp.*

2341 Mepiquat

15302-91-7 H P



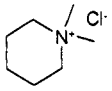
$(C_7H_{16}N)^+$

1,1-Dimethylpiperidinium.

1,1-Dimethylpiperidinium; Mepiquat; Piperidinium, 1,1-dimethyl-. Plant growth regulator. *BASF Corp.*

2342 Mepiquat Chloride

24307-26-4 5882 G H



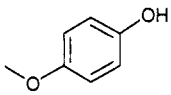
$C_7H_{16}ClN$

1,1-Dimethylpiperidinium chloride.

BAS-083; BAS-08300W; BAS 08301W; BAS 08305 W; BAS 08306 W; BAS 08307 W; BAS 083W; Bas85559X; Caswell No. 380AB; 1,1-Dimethylpiperidinium chloride; EPA Pesticide Chemical Code 109101; Mepiquat chloride; Methylpiperidine hydrochloride; N,N-Dimethylpiperidinium chloride; Piperidinium, 1,1-dimethyl-, chloride; PIX. Plant growth regulator for reduction of undesired vegetative growth of cotton, better boll retention, earlier maturity; improves yield and market quality of garlic and onions. Used in combination with ethephon to control growth of cereal crops. Registered by EPA as a herbicide. Colorless crystals; mp = 223°; freely soluble in H_2O (> 100 g/100 ml), EtOH (12.8 g/100 ml), Me_2CO (> 0.1 g/100 ml), $CHCl_3$ (1.48 g/100 ml), sparingly soluble in C_6H_6, EtOAc, Et_2O; LD_{50} (rat orl) = 1420 mg/kg, (rbt orl) = 1780 mg/kg, (rat der) > 7800 mg/kg; LC_{50} (rat ihl 7 hr.) = 3.2 mg/l air, (trout 96 hr.) ▪ 4300 mg/l; non-toxic to hens and wildfowl; non-toxic to bees. *BASF Corp.; Griffin LLC; Micro-Flo Co. LLC.*

2343 Mequinol

150-76-5 D G H



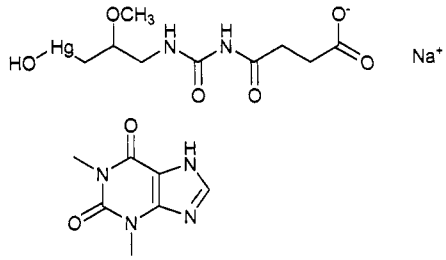
$C_7H_8O_2$

p-Hydroxymethoxybenzene.

AI3-00841; BMS 181158; CCRIS 5531; Eastman® HQMME; EINECS 205-769-8; p-Guaiacol; HQMME; HSDB 4258; Hydroquinone methyl ether; Hydroquinone monomethyl ether; Leucobasal; Leucodine B; Mechinolo; Mechinolum; MEHQ; Mequinol; Mequinolum; Monomethyl ether hydroquinone; Novo-Dermoquinona; NSC 4960; Phenol, 4-methoxy-; PMF (antioxidant); USAF AN-7. Antioxidant for monomers. Used in manufacture of pharmaceuticals, plasticizers, dyestuffs; stabilizer for chlorinated hydrocarbons and ethylcelluiose; UV inhibitor; inhibitor for arcylic and vinyl monomers and acrylonitrile. Studied for its utility in treatment of malignant melanomas. Crystals; mp = 57°; bp = 243°; d^{20} = 1.55; λ_m = 225, 292 nm (MeOH); soluble in H_2O, C_6H_6, CCl_4, very soluble in EtOH, Et_2O. *Alemark; Alfa; Arenol; Chemdesign Corp.; Eastman Chem. Co.; Fluka; Kincaid Enterprises; Penta Mfg.; SpecialtyChem. Prods.*

2344 Meralluride

8069-64-5 5891 D G



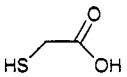
$C_{16}H_{23}HgN_6NaO_8$

[3-[[[(3-Carboxylato-1-oxopropyl)amino]carbonyl]amino]-2-methoxypropyl]hydroxymercurate(1-) sodium compound with 3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione.

Butanoic acid, 4-((((2-methoxypropyl)amino)carbonyl)-amino)-4-oxo-, mercury complex; Dilurgen; N-((3-(Hydroxymercuri)-2-methoxypropyl)carbamoyl)-succinamic acid and theophylline; Meralluride; Meralluridum; Meralurida; Mercardan; Mercuhydrin; Mercurate(1-), (3-((((3-carboxylato-1-oxopropyl)amino)-carbonyl)amino)-2-methoxypropyl) hydroxy-, sodium, mixed with 3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione; Mercuretin; Mercury, (3-((((3-carboxy-1-oxopropyl)amino)carbonyl)amino)-2-methoxypropyl)-hydroxy-, monosodium salt, with 3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione; Muraliuride. Used as a diuretic. Slightly soluble in H_2O, insoluble in organic solvents; LD_{50} (rat sc) = 28 mg/kg. *Marion Merrell Dow Inc.*

2345 2-Mercaptoacetic acid

68-11-1 9410 G H



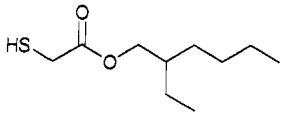
$C_2H_4O_2S$

Acetic acid, mercapto-.

4-03-00-00600 (Beilstein Handbook Reference); Acetic acid, mercapto-; Acide thioglycolique; AI3-24151; BRN 0506166; CCRIS 4873; EINECS 200-677-4; Glycolic acid, thio-; Glycolic acid, 2-thio-; HSDB 2702; Kyselina merkaptooctova; Kyselina thioglykolova; Mercaptoacetic acid; NSC 1894; Thioglycolate; Thioglycolic acid; Thiovanic acid; UN1940; USAF CB-35. In chemical analysis for the spectrophotometric determination of palladium; cosmetics (intermediates for hairwaving, depilatories), vinyl stabilizer intermediate, reaction intermediate for radiation-cured plastics; reagent for iron; manufacture of thioglycolates. Liquid; mp = -16.5°; bp^{20} ▪ 120°; d^{20} = 1.3253; very soluble in H_2OEtOH, Et_2O, less soluble in $CHCl_3$; LD_{50} (rat orl) = 198 mg/kg. *Elf Atochem N. Am.; EM Ind. Inc.; Evans Chemetics; Kreussler Chemische-Fabrik; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.; Witco/Humko.*

2346 Mercaptoacetic acid 2-ethylhexyl ester

7659-86-1 H



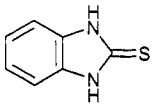
$C_{10}H_{20}O_2S$

2-Ethylhexyl mercaptoacetate.

Acetic acid, mercapto-, 2-ethylhexyl ester; EINECS 231-626-4; 2-Ethylhexyl mercaptoacetate; 2-Ethylhexyl thioglycolate; 2-Ethylhexylthioglycolate; Mercaptoacetic acid 2-ethylhexyl ester; Thioglycolic acid 2-ethylhexyl ester; Thioglykolsaeure-2-aethylhexyl ester; Thioglykol-säure-2-äthylhexyl ester. Liquid; bp = 133.5°; d^{20} = 0.97.

2347 2-Mercaptobenzimidazole

583-39-1 1083 G



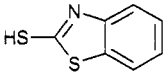
$C_7H_6N_2S$

2-Benzimidazolethiol.

AI3-18633; Antiegene MB; Antigen MB; Antigene MB; Antioxidant MB; AOMB; ASM MB; Benzimidazolethiol; Benzimidazole-2-thiol; 1H-Benzimidazole-2-thiol; 2-Benzimidazolethiol; 2H-Benzimidazole-2-thione, 1,3-dihydro-; Benzimidazoline-2-thione; 2-Benzimidazoline-thione; 2-Benzimidazolinthion; CCRIS 4837; EINECS 209-502-6; 2-Merkaptobenzimidazol; 2-Mercaptobenz-imidazole; 2-Mercaptobenzoimidazole; Mercaptobenz-imidazole; Mercaptobenzoimidazole; Merkaptobenz-imidazol; NCI-C56268; NCI-C60980; NSC 21414; NSC 186246; o-Phenylenethiourea; Permanax 21; 2-Thiobenzimidazole; 2-Thiol benzimidazole; USAF EK-6540; USAF XF-21. An antioxidant. Plates; mp = 298°; slightly soluble in H_2O, more soluble in EtOH; LD_{50} (rat orl) = 1230 mg/kg. *Aceto Corp.; Bayer AG.*

2348 2-Mercaptobenzothiazole

149-30-4 5893 G P



$C_7H_5NS_2$

2-Benzothiazolinethione.

2-MBT; Accel M; Accelerator M; Accelerator Mercapto; AG 63; AI3-00985; Benzothiazolethiol; Captax; Caswell No. 541; CCRIS 891; Dermacid; EINECS 205-736-8; Ekagom G; EPA Pesticide Chemical Code 051701; HSDB 4025; Kaptaks; Kaptax; MBT; Mebetizole; Mebithizol; Mercaptobenzothiazol; Mercaptobenzothiazole; Mertax; NCI-C56519; NSC 2041; Nuodeb 84; Nuodex 84; Pennac MBT powder; Pneumax MBT; Rokon; Rotax; Royal MBT; Soxinol M; Sulfadene; Thiotax; USAF GY-3; USAF XR-29; Vulkacit M; Vulkacit mercapto; Vulkacit mercapto/C. Curing accelerator for rubber. Used with 1,3-diphenylguanidine. Mineral oil coated; semi-ultra accelerator for NR, IR, BR, SBR, NBR, IIR, and EPDM; used alone in bulky goods or in combination for molded and extruded goods, hoses, conveyor belts, tires, footwear, cables, expanded rubber goods. Zinc and sodium salts used as a fungicide. Registered by EPA as an antimicrobial and fungicide (cancelled). Pale yellow needles; mp = 181°; d^{20} = 1.42; λ_m = 206, 238, 325 nm (MeOH); insoluble in H_2O, soluble in EtOH (2 g/100 ml at 25°), Et_2O (1 g/100 ml), Me_2CO (10 g/100 ml), C_6H_6 (1 g/100 ml), CCl_4 (< 0.2 g/100 ml), naphtha (< 0.5 g/100 ml), moderately soluble in AcOH. *Bayer AG; Fluka; Monsanto Co.; Polysar; Sigma-Aldrich Co.*

2349 2-Mercaptoethanol

60-24-2 5894 G H

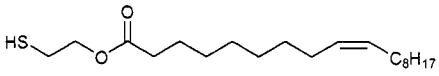
C_2H_6OS

1-Ethanol-2-thiol.

4-01-00-02428 (Beilstein Handbook Reference); AI3-07710; BRN 0773648; CCRIS 2097; EINECS 200-464-6; Emery 5791; Ethanol, 2-mercapto-; Ethylene glycol, monothio-; HSDB 5199; Hydroxyethyl mercaptan; 2-Hydroxyethanethiol; β-Hydroxyethanethiol; 2-Hydroxy-1-ethanethiol; 2-Hydroxyethyl mercaptan; β-Hydroxy-ethylmercaptan; 1-Hydroxy-2-mercaptoethane; 2-ME; 2-Mercaptoethanol; 2-Mercapto-1-ethanol; 2-Mercapto-ethyl alcohol; Mercaptoetanol; Mercaptoethanol; 1-Mercapto-2-hydroxyethane; Monothioethylene glycol; Monothioglycol; NSC 3723; 2-Thioethanol; Thioethylene glycol; Thioglycol; Thiomonoglycol; UN2966; USAF EK-4196. Solvent for dyestuffs, intermediate for producing dyestuffs, pharmaceuticals, rubber chemicals, flotation agents, insecticides, plasticizers, reducing agent, biochemical reagent, PVC stabilizers, agricultural chemicals, textile auxiliary. *BASF AG; Morton Intn'l.; Rhône Poulenc Surfactants.*

2350 2-Mercaptoethyl oleate

59118-78-4 H



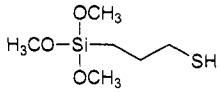
$C_{20}H_{38}O_2S$

9-Octadecenoic acid (Z)-, 2-mercaptoethyl ester.

EINECS 261-609-7; 2-Mercaptoethyl oleate; 9-Octadecenoic acid (Z)-, 2-mercaptoethyl ester; 9-Octadecenoic acid (9Z)-, 2-mercaptoethyl ester.

2351 3-Mercaptopropyltrimethoxysilane;

4420-74-0 G



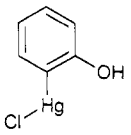
$C_6H_{16}O_3SSi$

γ-Mercaptopropyltrimethoxy silane.

A 189 (silicone); Aktisil MM; AZ 6129; BRN 2038119; EINECS 224-588-5; GF 70; KBE 803; KBM 803; M 8500; M 8500 (coupling agent); (3-Mercaptopropyl)trimethoxy-silane; γ-Mercaptopropyltrimethoxysilane; (γ-Mercapto-propyl)trimethoxysilane; MPS; MPS-M; NUCA 189; 1-Propanethiol, 3-(trimethoxysilyl)-; Prosil® 196; SH 6062; Sila-Ace S 810; Silane, 3-mercaptopropyltrimethoxy-; Silane A 189; Silquest A 189; 3-(Sulfanylpropyl)-trimethoxysilane; (3-Thiopropyl)trimethoxysilane; 3-(Tri-methoxysilyl)propanethiol; 3-Trimethoxysilylpropane-1-thiol; 3-(Trimethoxysilyl)propyl mercaptan; TSL 8380; TSL8380E; Union carbide® A-189; Z 6062. Coupling agent with both organic and inorganic reactivity; for acrylic, epichlorohydrin, nitrile, polysulfone, PS, PVC, urethane thermoplastics; thermoset acrylic, epoxy, nitrile/phenolic, phenolic, polybutadiene; and elasto-merics. Crosslinking agent adhesion promoter for coatings; provides durability; features active hydrogen reaction, chain transfer, end blocking. Filler for sulfur and metal oxide-cured systems. Liquid; bp = 198°, 215°; d = 1.0390; LD_{50} (rat orl) = 2940 mg/kg. *Hoffmann Mining; PCR; Union Carbide Corp.*

2352 Mercufenol Chloride

90-03-9 D G



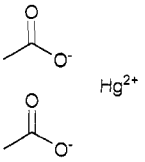
C_6H_5ClHgO

Chloro(o-hydroxyphenyl)mercury.

4-16-00-01736 (Beilstein Handbook Reference); AI3-23201; BRN 3662387; Caswell No. 194A; Chloro(o-hydroxyphenyl)mercury; EINECS 201-962-6; EPA Pesticide Chemical Code 294100; Hydroxychloro-mercuribenzene; Mercresin; Mercufenol chloride; Myringacaine Drops; NP-27; NSC 5579; Salicresin Fluid; U 7743.; component of: Mercresin. Anti-infective (topical); disinfectant. CAUTION: poisonous. Prepared from phenol and mercuric acetate. Solid; mp = 150-152°; slightly soluble in cold H_2O; moderately soluble in boiling H_2O; freely soluble in alcohol, hot C_6H_6; sparingly soluble in $CHCl_3$. *Upjohn Ltd.*

2353 Mercuric acetate

1600-27-7 5898 G



$C_4H_6HgO_4$

Mercury(II) acetate.

Acetic acid, mercuridi-; Acetic acid, mercury(2+) salt; AI3-04458; Anthracene, 1,4-dihydro-, compd. with mercury diacetate (1:1); Bis(acetyloxy)mercury; Caswell No. 543A; CCRIS 7488; Diacetoxymercury; EINECS 216-491-1; EPA Pesticide Chemical Code 052104; HSDB 1244; Mercuriacetate; Mercuric acetate; Mercuric diacetate; Mercury acetate; Mercury di(acetate); Mercury diacetate; Mercury(2+) acetate; Mercury(II) acetate; Mercuryl acetate; NSC 215199; UN1629. Catalyst for organic synthesis, pharmaceuticals. Used for mercuration of organic compounds. Crystals; mp = 178-180°; soluble in H_2O (40 g/100 ml), EtOH; LD_{50} (rat orl) = 4 mg/kg. *Atomergic Chemetals; Cerac; Noah Chem.; Thor.*

2354 Mercuric chloride

7487-94-7 5901 D G P

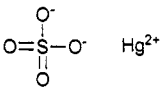
Cl_2Hg

Mercury(II) chloride.

Abavit B; Bichloride of mercury; Bichlorure de mercure; Calo-Clor; Calochlor; Calocure; Caswell No. 544; CCRIS 4838; Chlorid rtutnaty; Chlorure mercurique; Cloruro di mercurio; Corrosive mercury chloride; Corrosive sublimate; Dichloromercury; EINECS 231-299-8; EPA Pesticide Chemical Code 052001; Fungchex; HSDB 33; Hydraargyrum bichloratum; Mercuric bichloride; Mercuric chloride; Mercury bichloride; Mercury chloride ($HgCl_2$); Mercury chloride (2); Mercury dichloride; Mercury perchloride; Mercury(2+) chloride; Mercury(II) chloride; NCI-C60173; NSC 353255; Perchloride of mercury; Quecksilber chlorid; Sublimat; Sublimate; Sulem; Sulema; UN1624; Mercury Chloride; dichloromercury; perchloride of mercury; sublimate; TL 898. Used in manufacture of calomel (mercurous chloride), other mercury compounds; disinfectant, organic synthesis, analytical reagent, metallurgy, tanning, catalyst, sterilant, fungicide, insecticide, wood preservative (kyanizing), embalming fluids, textile printing, photography and dry batteries.Used as a topical antiseptic and disinfectant. Highly toxic. Antiseptic (topical); disinfectant. Registered by EPA as a fungicide (canceiled). Solid; mp = 277°; bp = 302°; d = 5.4; soluble in H_2O (74 mg/ml), less soluble in organic solvents; highly toxic, LD_{50} (rat orl) = 1 mg/kg. *Atomergic Chemetals; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Thor.*

2355 Mercuric sulfate

7783-35-9 5914 G



HgO_4S

Mercury(II) sulfate.

EINECS 231-992-5; HSDB 1247; Mercuric bisulphate; Mercuric sulfate; Mercuric sulphate; Mercurous bisulphate; Mercury bisulfate; Mercury disulfate; Mercury persulfate; Mercury sulfate ($HgSO_4$); Mercury sulphate; Mercury(II) sulfate; Mercury(II) sulfate (1:1); Sulfate mercurique; Sulfuric acid, mercury(2+) salt (1:1). Catalyst in the conversion of acetylene to acetaldehyde, extracting gold and silver from roasted pyrites, battery electrolyte. Solid; dec 450°; d = 6.47; reacts with H_2O; LD_{50} (rat orl) = 57 mg/kg. *Atomergic Chemetals; Lancaster Synthesis Co.; Noah Chem.*

2356 Mercuric sulfide, red and black

1344-48-5 5915 G

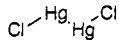
HgS

Mercury(II) sulfide.

Almaden; C.I. 77766; C.I. Pigment Red 106; Chinese vermilion; EINECS 215-696-3; Ethiops mineral; Hydrargyrum sulfuratum rubrum; Mercuric sulfide; β-Mercuric sulfide; Mercuric sulfide, black; Mercuric sulfide, red; Mercuric sulphide; Mercury monosulfide; Mercury sulfide; Mercury sulfide (HgS); Mercury sulphide; Mercury sulphide, natural; Mercury(2+) sulfide; Mercury(II) sulfide; Monomercury sulfide; Orange vermilion; Pigment Red 106; Pure English (Quicksilver) Vermilion; Quecksilber(II)-sulfid, rotes; Red cinnabar; Red mercury sulphide; Rotes Quecksilbersulfid; Scarlet vermilion; Vermilion; Vermilion (HgS). Red pigment. Black amorphous powder; mp = 583°; d = 8.1; insoluble in H_2O, EtOH, acids. *Atomergic Chemetals; Cerac; Noah Chem.*

2357 Mercurous chloride

10112-91-1 5921 D G V



Cl_2Hg_2

Mercury(II) chloride.

Calogreen; Calomel; Calotab; Chlorure mercureux; Dimercury dichloride; EINECS 233-307-5; Mercurous chloride; Mercurous chloride (Hg_2Cl_2); Mercury chloride (Hg_2Cl_2); Mercury subchloride; Mercury(I) chloride. Fungicide. Used for control of clubroot in brassicas and white rot in onions. Antiseptic; cathartic; diuretic; antisyphilitic. Used as a cathartic, local antiseptic and desiccant in veterinary medicine. Sublimes at 400-500°; d = 7.15; practically insoluble in H_2O; insoluble in alcohol, Et_2O; incompatible with bromides, iodides, alkali chlorides, sulfates, sulfites, carbonates, hydroxides, lime H_2O, acacia, ammonia, golden antimony sulfide,

cocain. *Hortichem Ltd.*

2358 Mercurous oxide

15829-53-5 G

Hg_2O

Mercury(i) oxide.

EINECS 239-934-0; Hahnmann's mercury; HSDB 4487; Mercurous oxide; Mercurous oxide (Hg_2O); Mercury oxide; Mercury oxide (Hg_2O); Mercury oxide black; Mercury(I) oxide; Quecksilberoxid. Black oxide of mercury.

2359 Mercury

7439-97-6 5925 D G

Hg

Hg

Mercury.

Caswell No. 546; CCRIS 1578; Colloidal mercury; EINECS 231-106-7; EPA Pesticide Chemical Code 052301; HSDB 1208; Hydrargyrum; KWIK; Liquid silver; Mercure; Mercurio; Mercury; Mercury, elemental; Mercury, elemental and inorganic forms; Mercury, metallic; Mercury vapor; Metallic mercury; NCI-C60399; Quecksilber; Quicksilver; RCRA waste number U151; RTEC; UN 2024 (liquid compounds); UN2809. Metallic element; Hg; Amalgam, catalyst, electrical apparatus, cathodes for production of chlorine and caustic soda, thermometers, barometers. Has been used medicinally as a laxative-cathartic. Metallic liquid; mp = -39°; bp = 357°; insoluble in H_2O, organic solvents. *Atomergic Chemetals; Cerac; Cox Chemical Co.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

2360 Mercury oxide

21908-53-2 5908 G

Hg=O

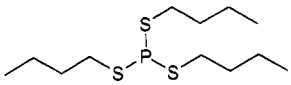
HgO

Mercuric oxide.

AI3-02738; C.I. 77760; Caswell No. 544A; EINECS 244-654-7; EPA Pesticide Chemical Code 052102; Gelbes quecksilberoxyd; HSDB 1265; Hydrargyrum oxid flav; Hydrargyrum oxydatum rubrum; Kankerex; Mercuric oxide; Mercuric oxide (HgO); Mercuric oxide, red; Mercuric oxide, yellow; Mercury monoxide; Mercury oxide; Mercury oxide (HgO); Mercury(2+) oxide; Mercury(II) oxide; Natural montroydite; Oxide mercurique jaune; Oxido amarillo de mercurio; Oxyde de mercure; Oxyde mercurique; Red mercuric oxide; Red oxide of mercury; Red Precipitate; Santar; Santar M; UN1641; Yellow mercuric oxide; Yellow oxide of mercury; Yellow precipitate. Red and yellow forms represent different physical states of an orthorhombic crystal form. Yellow is more finely divided and more reactive. The two forms can be interconverted. For control of canker in apples and pears. Used in marine bottom paints, ceramic paints; in dry batteries and as a reagent. Red: chemicals, paint pigment, perfumery, cosmetics, pharmaceuticals, ceramics, dry batteries, polishes, analytical reagent, antifouling paints, fungicide, antiseptic; Yellow: antiseptic, mercury compounds. Both forms used as topical anti-infectives. Amorphous solid; mp = 500° (dec); d ■ 11.14; LD_{50} (rat orl) = 18 mg/kg. *Cerac; Noah Chem.; Spectrum Chem. Manufacturing; Thor Chemicals (UK) Ltd.; Universal Crop Protection Ltd.*

2361 Merphos

150-50-5 H P



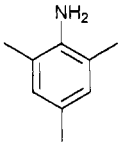
$C_{12}H_{27}PS_3$

Tributyl phosphorotrithioite.

4-01-00-01564 (Beilstein Handbook Reference); AI3-25783; BRN 1703869; Butyl phosphorotrithioite; Butyl phosphorotrithioite ($(BuS)_3P$); Caswell No. 865; Chemagro B-1776; Deleaf defoliant; Easy off-D; EINECS 205-761-4; EPA Pesticide Chemical Code 074901; Folex; Folex 6EC; HSDB 1777; Merphos; NSC 27720; Tributyl phosphoro-trithioite; Tributyl trithiophosphite; Tributylthiofosfin. Herbicide. Registered by EPA as a herbicide and fungicide (cancelled). Crystals; mp = 100°; bp_{15} = 176°, $bp_{0.7}$ = 137°; d^{20} = 1.02; slightly soluble in H_2O, soluble in organic solvents.

2362 Mesidine

88-05-1 G



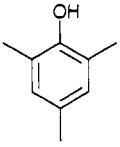
$C_9H_{13}N$

2,4,6-trimethylaniline.

Aminomesitylene; 2-Aminomesitylene; 1-Amino-2,4,6-trimethylbenzen; 2-Amino-1,3,5-trimethylbenzene; Aniline, 2,4,6-trimethyl-; Benzenamine, 2,4,6-trimethyl-; CCRIS 2871; EINECS 201-794-3; HSDB 2694; Mesidin; Mesidine; Mesitylamine; Mesitylene, 2-amino-; 2,4,6-Trimethylaniline; 2,4,6-Trimethylbenzenamine. Used as an intermediate in the manufacture of dyestuffs. mp = -2.5°; bp = 232.5°; d^{25} = 0.96330; λ_m = 234, 28 nm (ε = 7770, 2050 MeOH); slightly soluble in CCl_4; LD_{50} (rat orl) = 743 mg/kg.

2363 Mesitol

527-60-6 H



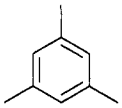
$C_9H_{12}O$

2,4,6-Trimethylphenol.

4-06-00-03253 (Beilstein Handbook Reference); Benzene, 2-hydroxy-1,3,5-trimethyl-; BRN 1859675; EINECS 208-419-2; HSDB 5677; 2-Hydroxymesitylene; 1-Hydroxy-2,4,6-trimethylbenzene; Mesitol; \Mesityl alcohol; NSC 5353; Phenol, 2,4,6-trimethyl-; 1,3,5-Trimethylphenol; 2,4,6-Trimethylofenol; 2,4,6-Trimethylphenol; 2,4,6-Trimetylofenol. Needles; mp = 73°; bp ■ 220°; very soluble in EtOH, Et_2O.

2364 Mesitylene

108-67-8 5934 H



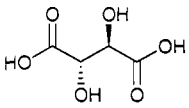
C_9H_{12}

1,3,5-Trimethylbenzene.

AI3-23973; Benzene, 1,3,5-trimethyl-; 3,5-Dimethyl-toluene; EINECS 203-604-4; Fleet-X; HSDB 92; Mesitylene; NSC 9273; TMB; 1,3,5-Trimethylbenzene; sym-Trimethylbenzene; Trimethylbenzol; UN2325. Liquid; mp = -44.7°; bp = 164.7°; d^{20} = 0.8652; λ_m = 207, 213, 217, 282 nm (ε = 11900, 12100, 12700, 17400, MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether.

2365 Mesotartaric acid

147-73-9 9159 G



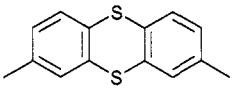
$C_4H_6O_6$

Meso-tartaric acid monohydrate.

Antiweinsäure; Butanedioic acid, 2,3-dihydroxy-, (2R,3S)-rel-; (R*,S*)-2,3-Dihydroxybutanedioic acid; L-(+)-Dihydroxysuccinic acid; EINECS 205-696-1; internally compensated tartaric acid; meso-Tartaric acid; unresolvable tartaric acid. Prepared by racemization of L-tartaric acid. Crystals; mp = 140°; d^{20}= 1.66; soluble in H_2O (125 g/100 ml).

2366 Mesulfen

135-58-0 5943 G V



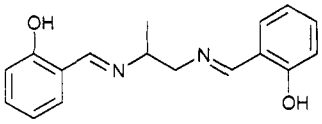
$C_{14}H_{12}S_2$

2,7-Dimethylthianthrene.

2,7-Dimethylthianthrene; EINECS 205-202-4; Mesulfene; Mesulfeno; Mesulfenum; Mesulphen; Mitigal; Odylen®Soufrol; Thiantholum; Thiotal. Scabicide and anti-pruritic veterinary preparation; for external use against ectoparasites. mp = 123°; bp_{14}= 228-231°, bp_3 = 184°; insoluble in H_2O, very soluble in Me_2CO, Et_2O, petroleum ether, $CHCl_3$. *Bayer AG.*

2367 Metal Deactivator S

94-91-7 G



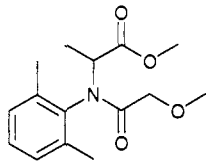
$C_{17}H_{18}N_2O_2$

N,N'-Disalicylidene-1,2-propane diamine.

N,N'-Bis(salicylidene)-1,2-diaminopropane; Carlisle metal deactivator; Copper inhibitor 50; o-Cresol, α,α'-(propylenedinitrilo)di-; Cuvan 80; α,α'-Dipropyl-enedinitrilodi-o-cresol; Disalicylalpropylenediimine; N,N'-Disalicylidene-1,2-diaminopropane; N,N'-Disali-cyclidene-1,2-propanediamine; N,N'-Disalicylidene-1,2-propylenediamine; DMD; Du Pont metal deactivator; EINECS 202-374-2; N,N'-(2-Hydroxybenzylidene)-1,2-propandiamine; Keromet MD; 2,2'-[(1-Methyl-1,2-ethanediyl)bis(nitrilomethylidyne)]bis-phenol; NSC 67004; Phenol, 2,2'-((1-methyl-1,2-ethanediyl)bis-(nitrilomethylidyne))bis-; N,N'-Propylenebis(salicylidene-imine); α,α'-Propylenedinitrilodi-o-cresol; Tenamene 60; UOP copper deactivator. Copper chelating agent used in the refinery industry. *Hart Prod.*

2368 Metalaxyl

57837-19-1 5947 G P



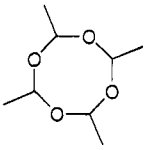
$C_{15}H_{21}NO_4$

N-(2,6-Dimethylphenyl)-N-(methoxyacetyl)-DL-alanine methyl ester.

DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxy-acetyl)-, methyl ester; Alanine, N-(methoxyacetyl)-N-(2,6-xylyl)-, methyl ester, DL-; Allegiance; Apron; Apron 2E; Apron FL; Apron SD 35; BRN 2947777; Caswell No. 375AA; CG 117; CGA 48988; (±)-N-(2,6-Dimethylphenyl)-N-(2'-methoxyacetyl)alaninate de methyle; D,L-N-(2,6-Di-methylphenyl)-N-(2'-methoxyacetyl)alaninate de methyle; EINECS 260-979-7; EPA Pesticide Chemical Code 113501; HSDB 7061; IPO-FS; Jiashuangling; Metalaxil; Metalaxyl; (±)-Metalaxyl; Metanaxin; Metasyl; Metaxanin; Methyl N-(2-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate; Methyl N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-DL-alaninate; N-(2,6-Dimethylphenyl)-N-(methoxyacetyl)-alanine methyl ester; Ridomil; Ridomil 2E; Ridomil 72WP; Ridomil Vino; Subdue; Subdue 2E; Subdue 5SP.Fungicide. Effective against *Phytophthora infestans*, the cause of potato blight. Registered by EPA as a fungicide. White crystals; mp ■ 71 - 72°; soluble in H_2O (0.71 g/ 100 ml), CH_2Cl_2 (75 g/100 ml), MeOH (85 g/100 ml), C_6H_6 (55 g/100 ml), i-PrOH (27 g/100 ml), n-octanol (13 g/100 ml), C_6H_{14} (0.91 g/100 ml); LD_{50} (rat orl) ■ 669 mg/kg, (rat der) > 3100 mg/kg; LC_{50} (rainbow trout, carp, bluegill sunfish 96 hr.) > 100 mg/l; non-toxic to birds; non-toxic to bees. *Agriliance LLC; Drexel Chemical Co.; Gustafson LLC; Micro-Flo Co. LLC; Nation's AG LLC; Syngenta Crop Protection; Wilbur-Ellis Co.*

2369 Metaldehyde

108-62-3 G H P



$C_8H_{16}O_4$

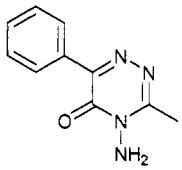
2,4,6,8-Tetramethyl-1,3,5,7-tetraoxacyclooctane

Acetaldehyde, tetramer; AI3-15376; Antimilace; Ariotox; Caswell No. 548; Cekumeta; Corry's Slug Death; EINECS 203-600-2; EPA Pesticide Chemical Code 053001; Halizan; Metacetaldehyde; Metaldehyd; Metaldehyde; Metaldeide; Metason; Namekil; Slug-Tox; Tetramethyl-1,3,5,7-tetroxocane; 2,4,6,8-Tetramethyl-1,3,5,7-tetra-oxacyclooctane; R-2,C-4,C-6,C-8-Tetramethyl-1,3,5,7-tetroxocane; 1,3,5,7-Tetroxocane, 2,4,6,8-tetramethyl-; UN1332; See also: [9002-91-9]. Molluscicide with contact and stomach action. Contact with the foot makes the mollusk torpid and induces an increased secretion of mucus, leading to dehydration and death. Used for control of slugs and snails. Registered by EPA as an insecticide and molluscicide. Colorless crystals; mp = 246°; sublimes 112 - 115°; soluble in H_2O (0.02 g/100 ml at 17°, 0.026 g/100 ml at 30°), freely

soluble in C_6H_6, $CHCl_3$, less soluble in EtOH, Et_2O; LD_{50} (rat orl) = 630 mg/kg, (dog orl) = 600 - 1000 mg/kg, (gpg orl) = 600 mg/kg), non-toxic to fish. *Amvac Chemical Corp.; E.M. Matson Jr., Co.; Farm Protection Ltd.; Fisons plc, Horticultural Div.; Generic; Hi-Yield Chemical Co.; Metro Biological Lab.; Scotts Co.; Value Gardens Supply LLC.*

2370 Metamitron

41394-05-2 5949 G H P



$C_{10}H_{10}N_4O$

4-Amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one.

5-26-04-00395 (Beilstein Handbook Reference); 4-Amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one; 4-Amino-3-methyl-6-phenyl-1,2,4-triazin-5-one; 4-Amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one; BAY-DRW 1139; BRN 0613129; DRW 1139; EINECS 255-349-3; Goltix; Goltix®; Herbrak; Metamiton; Metamitron; Metamitrone; Methiamitron; 3-Methyl-4-amino-6-phenyl-1,2,4-triazin(4H)-on; as-Triazin-5(4H)-one, 4-amino-3-methyl-6-phenyl-. A water dispersible granular form-ulation containing 70% w/w metamitron; used to control annual weeds in sugar beet grown on mineral and organic soils and red beet, fodder beet and mangolds grown on mineral soils. Crystals; mp = 169°; LD_{50}(rat, orl) = 3343 mg/kg. *Bayer AG.*

2371 Metam-sodium

137-42-8 5976 G H P

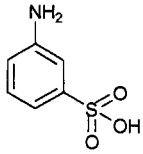
$C_2H_4NNaS_2$

Sodium N-methyldithiocarbamate.

A7 Vapam; Basamid-fluid; BAY 5590; Carbam; Carbamic acid, methyldithio-, monosodium salt; Carbamodithioic acid, methyl-, monosodium salt; Carbathion; Carbathione; Carbation; Carbothion; Diethylamino-2,6-acetoxylidide; EINECS 205-293-0; Geort; HSDB 1767; Karbation; Mapasol; Masposol; Metam-fluid Basf; Metam-sodium; Metham; Metham sodium; Methylcarbamo-dithioic acid sodium salt; Methyldithiocarbamic acid, sodium salt; Methyldithiokarbaman sodny; Monam; Monosodium methylcarbamodithioate; N-869; Natrium-N-methyl-dithiocarbamaat; Natrium-N-methyl-dithiocarb-amat; Nematin; NSC 3515; Sectagon II; Sepivam; Sistan; SMDC; Sodium metam; Sodium metham; Sodium methylcarbamodithioate; Sodium methyldithiocarbamate; Soil-Prep; Solasan 500; Sometam; Trapex; Trimaton; Vapam; VPM; VPM (fungicide). Soil-fumigant which acts by decomposition to methyl isothiocyanate. Used as a soil sterilant, controlling soil fungi, nematodes, weed seeds and soil insects. Also used as a herbicide. Registered by EPA as an antimicrobial, herbicide, nematicide and fungicide. [Dihydrate]: crystals with unpleasant odor; loses $2H_2O$ at 130°; soluble in H_2O (72.2 g/100 ml at 20°), moderately soluble in MeOH, EtOH, insoluble in other organic solvents; LD_{50} (mrat orl) = 1800 mg/kg, (frat orl) = 1700 mg/kg, (mus orl) = 285 mg/kg, (rbt der) = 1300 mg/kg; LC_{50} (mallard duck, Japanese quail 5 day dietary) > 5000 mg/kg diet, (guppy 96 hr.) = 4.2 mg/l, (bluegill sunfish 96 hr.) = 0.39 mg/l, (rainbow trout 96 hr.) = 0.079 mg/l; non-toxic to bees. *Amvac Chemical Corp.; Buckman Laboratories Inc.; Micro-Flo Co. LLC; Osmose Inc.; Sewer Sciences Inc.; Tessenderlo Kerley, Inc.; UAP - Platte Chemical; UCB SA; Wilbur-Ellis Co.*

2372 Metanilic acid

121-47-1 5952 G



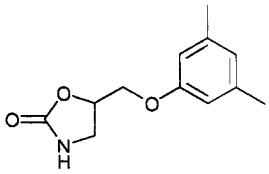
$C_6H_7NO_3S$

3-aminobenzenesulfonic acid.

1-aminobenzene-3-sulfonic acid; m-aniline sulfonic acid; m-sulfanilic acid; aniline-m-sulfonic acid. Used as a chemcial intermediate. Needles or prisms; mp dec.; d = 1.69; λ_m = 235, 294 nm (ε = 6310, 1585, H_2O); insoluble in EtOH, Et_2O, slightly soluble in H_2O (<1 g/100ml).

2373 Metaxalone

1665-48-1 D



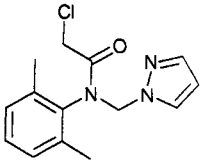
$C_{12}H_{15}NO_3$

5-[(3,5-Xylyloxy)methyl]-2-oxazolidinone.

AHR-438; BRN 0884592; CL 39,148; 5-((3,5-Dimethylphenoxy)methyl)-2-oxazolidinone; EINECS 216-777-6; HSDB 3236; Metassalone; Metaxalon; Metaxalona; Metaxalone; Metaxalonum; Methaxalonum; Methoxolone; NSC 170959; 2-Oxazolidinone, 5-((3,5-dimethylphenoxy)methyl)-; 2-Oxazolidinone, 5-((3,5-xylyloxy)methyl)-; Skelaxin; Zorane; 5-((3,5-Xylyloxy)-methyl)-2-oxazolidinone; 5-(3,5-Xyloloxymethyl)oxa-zolidin-2-one. Skeletal muscle relaxant. Crystals; mp = 121.5-123°. *Robins, A. H. Co.,.*

2374 Metazachlor

67129-08-2 G P



$C_{14}H_{16}ClN_3O$

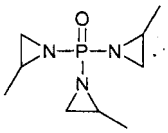
2-Chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-ylmethyl)acetamide.

5-23-04-00126 (Beilstein Handbook Reference); Acetamide, 2-chloro-N-(2,6-dimethylphenyl)-N-(1H-pyr-azol-1-ylmethyl)-; BAS 479H; BRN 0621550; Butisan S; 2-Chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-yl-methyl)-acetamide; 2-Chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylidide; Metazachlor; Metazachlore. Selective herbicide, inhibits germination. Used for control of annual grasses and broad-leaved weeds in fruit and vegetable crops, weed control in brassicas and ornamental crops. Metazachlor is a selective herbicide, absorbed by the hypocityls and roots and inhibiting germination. Yellow crystals; mp = 85°; soluble in H_2O (0.0017 g/100

ml at 20°), Me_2CO (> 79 g/100 ml), $CHCl_3$ (>148 g/100 ml), EtOAc (53 g/100 ml), EtOH (15.8 g/100 ml); LD_{50} (rat orl) = 2150 mg/kg, (rat der) > 6810 mg/kg; toxic to trout, moderately toxic to carp; non-toxic to bees. *BASF Corp.; Kommer-Brookwick Ltd.*

2375 Metepa

57-39-6 5961 G



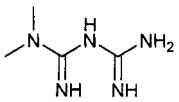
$C_9H_{18}N_3OP$

Tris(2-methyl-1-aziridinyl)phosphine oxide.

AI3-50003; Aziridine, 1,1',1"-phosphinylidynetris(2-methyl-; BRN 1345447; C 3172; CCRIS 1435; EINECS 200-326-5; ENT 50,003; APO; Mapo®; Metapoxide; Metepa; Methaphoxide; Methyl aphoxide; NSC 54054; Phosphine oxide, tris(1-(2-methyl)aziridinyl)-; 1,1',1"-Phosphinylidynetris(2-methyl)aziridine; Trimethyl-aziridinylphosphine oxide; Tris(1-methylethylene)-phosphoric triamide; Tris(1,2-propylene)phosphoramide; N,N',N"-Tris(1-methylethylene)phosphoramide; Tris(2-methylaziridinyl)phosphine oxide; Tris(methylaziridinyl)-phosphine oxide. Used for creaseproofing and flameproofing textiles; resin raw material, crosslinker, adhesion promoter and chemosterilant. Oil; $bp_{0.15}$ = 90-92°; LD_{50} (mrat orl) = 136 mg/kg, (frat orl) = 213 mg/kg. *Aceto.*

2376 Metformin

657-24-9 5963 D



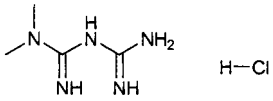
$C_4H_{11}N_5$

N,N-Dimethylbiguanide.

Diabetosan; Diabex; Dimethylbiguanide; DMGG; EINECS 211-517-8; Fluamine; Flumamine; Glifage; Gliguanid; Glucinan; Haurymelin; Islotin; LA-6023; Melbin; Metformin; Metformina; Metformine; Metforminum; Metiguanide; NNDG; Siofor; Stagid.; Glucinan [as p-chlorophenoxyacetate]; metformin pamoate [as emboate]; Stagid [as emboate]. Antidiabetic agent. *Bristol-Myers Squibb Co.*

2377 Metformin hydrochloride

1115-70-4 5963 D



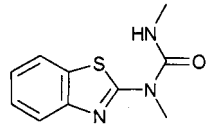
$C_4H_{12}ClN_5$

N,N-Dimethylimidocarbonimidic diamide monohydro-chloride.

AI3-51264; Apo-Metformin; Benofomin; Biocos; D 15095; D.B.I.; Dabex; Dextin; Diabefagos; Diaberit; Diabesin; Diabetex; Diabetmin; Diabetosan; Diabex; Diaformin; Diamin; Diaphage; Diformin; Diformin Retard; Dimethylbiguanide hydrochloride; DMGG hydrochloride; EINECS 214-230-6; Fornidd; Geamet; Glibomet; Glucofago; Glucoform; Glucoliz; Glucomet; Glucomine; Gluconil; Glucophage; Gluformin; Glupermin; Glyciphage; Glycoran; Glyformin; Haurymellin hydrochloride; HSDB 7080; Islotin retard; LA 6023; Meglucon; Meguan; Mescorit; Metaglip; Metbay; Metforal; Metiguanide; Metiguanide monohydrochloride; Metolmin; Metomin; Miformin; Novo-Metformin; NSC 91485; Riomet; Risidon; Siamformet; Thiabet; Walaphage. Antidiabetic agent. Crystals; mp = 218-220°, 232°; soluble in H_2O, EtOH; insoluble in Et_2O, $CHCl_3$; LD_{50} (rat orl) = 1000 mg/kg, (rat sc) = 300 mg/kg. *Bristol-Myers Squibb Co.*

2378 Methabenzthiazuron

18691-97-9 5964 G P



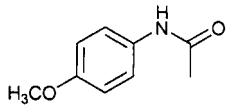
$C_{10}H_{11}N_3OS$

N-2-Benzothiazolyl-N,N'-dimethylurea.

4-27-00-04842 (Beilstein Handbook Reference); BAY 74283; Bayer 5633; 1-(2-Benzothiazolyl)-1,3-dimethyl-urea; N-2-Benzothiazolyl-N,N'-dimethylurea; 1-Benzo-thiazol-2-yl-1,1'-dimethylurea; BRN 0196633; Caswell No. 081B; CCRIS 6766; 1,3-Dimethyl-3-(2-benz-thiazolyl)-harnstoff; 1,3-Dimethyl-3-(2-benzothiazolyl)-urea; EPA Pesticide Chemical Code 281300; Metabenzthiazuron; Methabenzthiazuron; Methbenz-thiazuron; N-Methyl-N'-methyl-N'-(2-benzothiazolyl)-urea; Preparation 5633; S 25128; Tribunil; Urea, 1-(2-benzothiazolyl)-1,3-dimethyl-. Selective herbicide, acts as a photosynthesis inhibitor and used for pre- and post-emergence control of annual grasses and broad-leaved weeds in garlic, onions, chives, leeks, peas, field beans, cereals, grass seed crops, lucerne, maize, potatoes, artichokes, stonefruit and tree nurseries. Crystals; mp = 119 - 121°; soluble in H_2O (0.0059 g/100 ml at 20°), Me_2CO (12 g/100 ml), MeOH (7 g/100 ml), DMF (≅10 g/100 ml), CH_2Cl_2 (> 20 g/100 ml), i-PrOH (2 - 5 g/100 ml), C_7H_8 (5 - 10 g/100 ml), C_6H_{14} (0.1 - 0.2 g/100 ml); LD_{50} (mrat, gpg orl) > 2500 mg/kg, (fmus, rbt, cat, dog orl) > 1000 mg/kg, (rat der) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.5 mg/l air; (rainbow trout 96 hr.) ▪ 15.9, (golden orfe 96 hr.) ▪ 29 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp., Agriculture; DuPont.*

2379 Methacetin

51-66-1 52 H



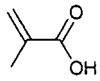
$C_9H_{11}NO_2$

N-(4-Methoxyphenyl)acetamide.

4-13-00-01092 (Beilstein Handbook Reference); Acetamide, N-(4-methoxyphenyl)-; Acetanilide, 4'-methoxy-; p-Acetanisidide; p-Acetanisidine; Aceto-p-anisidide; Acetyl-p-anisidine; N-Acetyl-p-anisidine; N-Acetyl-p-methoxyaniline; AI3-00798; BRN 0387887; EINECS 200-114-2; Metacetin; 4-Methoxyacetanilide; p-Methoxyacetanilide; N-(4-Methoxyphenyl)acetamide; NSC 4687. Crystals; mp = 130 - 132°; soluble in Me_2CO, EtOH, $CHCl_3$, slightly soluble in H_2O.

2380 Methacrylic acid

79-41-4 5967 H



$C_4H_6O_2$

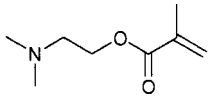
2-Methyl-2-propenoic acid.

4-02-00-01518 (Beilstein Handbook Reference); Acide

methacrylique; Acido metacrilico; Acrylic acid, 2-methyl-; AI3-15724; BRN 1719937; CCRIS 5925; EINECS 201-204-4; HSDB 2649; Kyselina methakrylova; Methacrylic acid; NSC 7393; Propenoic acid, 2-methyl; Propionic acid, 2-methylene-; UN2531. Used in the manufacture of methacrylate polymers. Liquid; mp = 16°; bp ▫ 162.5°; d^{2-} ▫ 1.-153; soluble in EtOH, less soluble in H_2O, Et_2O, $CHCl_3$.

2381 Methacrylic acid, 2-(dimethylamino)ethyl ester

2867-47-2 G H



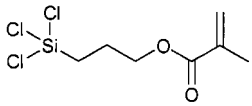
$C_8H_{15}NO_2$

2-(Dimethylamino)ethyl 2-methyl-2-propenoate.

4-04-00-01432 (Beilstein Handbook Reference); Ageflex FM-1; BRN 1757048; Dimethylaminoethyl methacrylate; 2-(Dimethylamino)ethyl methacrylate; N,N-Dimethyl-aminoethyl methacrylate; N,N-Dimethylethanolamine methacrylate; EINECS 220-688-8; Ethanol, 2-(dimethyl-amino)-, methacrylate; HSDB 5464; Methacrylic acid, 2-(dimethylamino)ethyl ester; NSC 20959; 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester; Sipomer® 2M1M; UN2522; USAF RH-3. Detergent and sludge dispersant in lubricants; viscosity index improver; flocculant for waste water treatment; retention aid for paper manufacturing; acid scavenger in PU foams; corrosion inhibitor; resin and rubber modifier; used in acrylic polishes and paints, hair preparation copolymers, sugar and water clarification and adhesives. Monomer to produce polymers with pendant amino function. Liquid; mp = -30°; bp = 182°, bp_6 = 62-65°; d ▫ 0.933; very soluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 1751 mg/kg. *Rhône Poulenc Surfactants; Rit-Chem.*

2382 Methacrylic acid, 3-(trichlorosilyl)propyl ester

7351-61-3 H



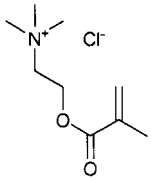
$C_7H_{11}Cl_3O_2Si$

2-Propenoic acid, 2-methyl-, 3-(trichlorosilyl)propyl ester.

EINECS 230-878-2; 2-Propenoic acid, 2-methyl-, 3-(trichlorosilyl)propyl ester; 3-(Trichlorosilyl)propyl methacrylate.

2383 (2-(Methacryloyloxy)ethyl)trimethyl-ammonium chloride

5039-78-1 G H



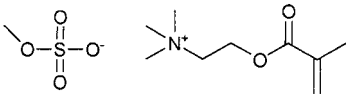
$C_9H_{18}ClNO_2$

Ethanaminium, N,N,N-trimethyl-2-((2-methyl-1-oxo-2-propenyl)oxy)-, chloride.

Ageflex FM-1Q80MC; EINECS 225-733-5; Ethanaminium, N,N,N-trimethyl-2-((2-methyl-1-oxo-2-propenyl)oxy)-, chloride; Madquat Q-6; (2-(Methacryloyloxy)ethyl)-trimethylammonium chloride. Quaternary antistatic finish for polyester fibers, flocculant and coagulant for industrial process water treatment, flocculant for mineral recovery, ion exchange resins, adhesives and acid dye receptivity. *Rhône Poulenc Surfactants; Rit-Chem.*

2384 2-(Methacryloyloxy)ethyltrimethyl-ammonium methyl sulfate

6891-44-7 G



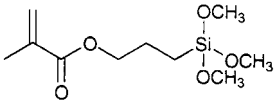
$C_{10}H_{21}NO_6S$

N,N,N-Trimethyl-2-(1-oxo-2-methyl-2-propenyloxy)ethanaminium methylsulfate.

Ageflex FM-1Q80DMS; EINECS 229-995-1; Ethan-aminium, N,N,N-trimethyl-2-((2-methyl-1-oxo-2-prop-enyl)oxy)-, methyl sulfate; Ethanaminium, N,N,N-trimethyl-2-((2-methyl-1-oxo-2-propenyl)oxy)-, methyl sulfate; (2-(Methacryloyloxy)ethyl)trimethylammonium methyl sulphate. Antistatic finish for polyester fibers, flocculant and coagulant for industrial process water treatment, flocculant for mineral recovery, ion exchange resins, adhesives, acid dye receptivity, electrostatic coatings on wood, retention aids for paper. Solid; soluble in H_2O, d_{20}^{20} = 1.183; cationic. *Rit-Chem.*

2385 Methacryloxypropyltrimethoxysilane

2530-85-0 G



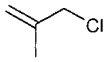
$C_{10}H_{20}O_5Si$

γ-Methacryloxypropyltrimethoxysilane.

A 174; BRN 1952435; Dow Corning® Z-6030; Dynasylan MEMO; EINECS 219-785-8; HSDB 5468; KBM 503; KDM 503; KH 570; M 8550; Methacrylic acid, 3-(trimethoxysilyl)propyl ester; Methacryloyloxypropyl-trimethoxysilane; 3-Methacryloyloxypropyl-trimethoxy-silane; (3-(Methacryloxy)propyl)trimethoxysilane; α-Methylacryloxypropyltrimethoxysilane; γ-Methacryloxy-propyltrimethoxysilane; Mops-M; NSC 93591; NUCA 174; 1-Propanol, 3-(trimethoxysilyl)-, methacrylate; 2-Propenoic acid, 2-methyl-3-(trimethoxysilyl)propyl ester; Prosil® 248; Q 174; Silane, (3-hydroxypropyl)trimethoxy-, methacrylate; Silane, 3-methacryloxypropyltrimethoxy-; Silane adduct, allyl methacrylate trimethoxy-; Silicone A-174; 3-(Trimethoxysilyl)-1-propanol methacrylate; Trimethoxysilyl-3-propylester kyseliny methakrylove; Trimethoxysilylpropyl methacrylate; 3-Trimethoxysilyl-propyl methacrylate; 3-(Trimethoxysilyl)propyl meth-acrylate; Union carbide® A-174; Z 6030. Coupling agent, crosslinking agent providing gloss, durability, hiding power, adhesion promotion to coatings. A coupling agent with reactive methacrylate and trimethoxysilyl groups; improves adhesion of organic thermoset resins to inorganic materials such as fiberglass, clay, quartz, and other siliceous surfaces; for ABS, acrylic, polyethylene, polyimide, polymethacrylate, PP, PS, silicone, SAN, urethane thermoplastics, alkyd, DAP, epoxy, polybutadiene, polyester, cross-linked polyethylene thermosets and elastomers. Liquid; bp = 190°; d = 1.0450. *Dow Chem. U.S.A.; PCR; Union Carbide Corp.*

2386 Methallyl chloride

563-47-3 2167 H



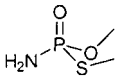
C_4H_7Cl

3-Chloro-2-methylpropene.

4-01-00-00803 (Beilstein Handbook Reference); AI3-14901; BRN 0878160; CCRIS 869; Chlorure de methallyle; Cloruro di metallile; EINECS 209-251-2; γ-Chloroisobutylene; HSDB 1149; Isobutenyl chloride; MAC; Methallyl chloride; Methyl allyl chloride; NCI-C54820; NSC 7303; Propene, 3-chloro-2-methyl-; UN2554. Liquid; bp = 71.5°; d^{20} = 0.9165; soluble in Me_2CO, very soluble in $CHCl_3$, freely soluble in EtOH, Et_2O.

2387 Methamidophos

10265-92-6 5974 G P



$C_2H_8NO_2PS$

O,S-Dimethyl phosphoramidothioate.

Acephate-met; AI3-27396; Amidor; Bayer 5546; BRN 1098870; Caswell No. 378A; Chevron 9006; Chevron ortho 9006; CKB 1220; EINECS 233-606-0; ENT 27,396; EPA Pesticide Chemical Code 101201; Filitox; Hamidop; HSDB 1593; Metamidofos estrella; Methamidophos; Methyl phosphoramidothioate ((MeO)(MeS)P(O)(NH_2)); Monitor; Monitor (insecticide); MTD; NSC 190987; Ortho 9006; Ortho Monitor; O,S-Dimethyl phosphoramidothioate; Patrole; Phosphoramidothioic acid, O,S-dimethyl ester; Pillaron; RE 9006; Sniper; SRA 5172; Tahmabon; Tamanox; Tamaron; Tamaron®; Thiophosphorsäure-O,S-dimethylesteramid; Thiophosphorsaeure-O,S-dimethyl-esteramid. Broad spectrum systemic insecticide and acaricide with stomach and contact action, used for treatment of sucking and biting insects and spider mites on a wide range of crops including cotton, tobacco, vegetables, potatoes, sugar beets. Registered by EPA as an insecticide and acaricide. Crystals; mp = 46.1°, 54°; sg^{20} ■ 1.31; very soluble in H_2O (> 200 g/100 ml), soluble in i-PrOH (140 g/100 ml), C_6H_6 (< 10 g/100 ml), xylene (> 10 g/100 ml), CH_2Cl_2 (> 2.5 g/100 ml), Et_2O (> 2.5 g/100 ml), kerosene (> 1 g/100 ml), C_6H_{14} (> 1 g/100 ml); LD_{50} (mrat orl) = 25 mg/kg, (frat orl) = 27 mg/kg, (gpg orl) = 30 - 5- mg/kg, (rbt orl) = 10 - 30 mg/kg, (hen orl) = 25 mg/kg, bobwhite quail orl) = 57 mg/kg, toxic to bees; LC_{50} (rat ihl 4 hr.) = 0.2 mg/l air, (guppy 96 hr.) = 46 mg/l, (rainbow trout 96 hr.) = 51 mg/l, (carp, goldfish 96 hr.) = 100 mg/l. *Bayer Corp.; Valent USA Corp.*

2388 Methane

74-82-8 5979 G H

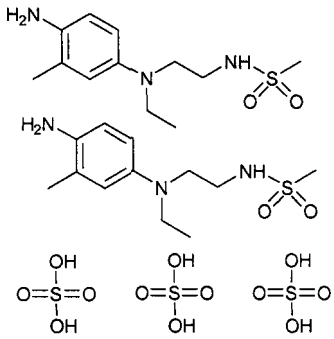
CH_4

Methane.

4-01-00-00003 (Beilstein Handbook Reference); Biogas; BRN 1718732; EINECS 200-812-7; Fire Damp; HSDB 167; Marsh gas; Methane; Methyl hydride; R 50 (refrigerant); UN1971; UN1972. Light carburetted hydrogen. Major constituent of American natural gas. Used as a fuel and in chemical manufacturing. Colorless, odorless gas; mp = -183°; bp ■ -161°; soluble in H_2O (3.5 ml/100 ml), more soluble in organic solvents. *BOC Gases*; Mesa Specialty Gases & Equipment.

2389 Methanesulfonamide, N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)-, sulfate (2:3)

25646-71-3 H



$C_{24}H_{44}N_6O_{10}S_3$

N-(2-(4-Amino-N-ethyl-m-toluidino)ethyl)methane-sulfonamide sulfate (2:3).

CD 003; CD 3; CD III; EINECS 247-161-5; FCD 03; Kodak CD-3; Methanesulfonamide, N-(2-((4-amino-3-methylphenyl)ethylamino)ethyl)-, sulfate (2:3); N-(2-(4-Amino-N-ethyl-m-toluidino)ethyl)methanesulfonamide sulfate (2:3); NSC 164932.

2390 Methanesulfonic acid

75-75-2 5981 G

CH_4O_3S

Methanesulfonicate.

4-04-00-00010 (Beilstein Handbook Reference); AI3-28532; BRN 1446024; CCRIS 2783; EINECS 200-898-6; HSDB 5004; Kyselina methansulfonova; Methane-sulfonate; Methanesulfonic acid; Methanesulphonic acid; Methylsulfonic acid; MSA; NSC 3718. Used as a polymerization catalyst, as a solvent, and in chemical synthesis. Solid; mp ■ 20°; bp_{10} = 167°; d^{18} = 1.4812; soluble in H_2O, poorly soluble in organic solvents. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2391 Methanesulfonyl chloride

124-63-0 5982 H

CH_3ClO_2S

Methanesulfonic acid chloride.

AI3-52234; Chloromethyl sulfone; EINECS 204-706-1; HSDB 5605; Mesyl chloride; Methanesulfonic acid chloride; Methanesulfonyl chloride; Methanesulfuryl chloride; Methanesulphonyl chloride; Methyl sulfochloride; Methylsulfonyl chloride; NSC 15039; UN3246. Liquid; bp = 162°, bp_{11} = 55°; d^{18} = 1.4805; insoluble in H_2O, soluble in EtOH, Et_2O.

2392 Methanethiol

74-93-1 5983 H

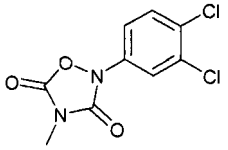
CH_4S

Methyl mercaptan.

4-01-00-01273 (Beilstein Handbook Reference); BRN 1696840; EINECS 200-822-1; FEMA No. 2716; HSDB 813; Mercaptan methylique; Mercaptomethane; Methaanthiol; Methanethiol; Methanthiol; Methvtiolo; Methyl mercaptan; Methyl sulfhydrate; Methyl-mercaptaan; Methylmercaptan; Metilmercaptano; RCRA waste number U153; Thiomethanol; Thiomethyl alcohol; UN 1064. Used in manufacture of pesticides, plastics and jet fuels. Odiferous gas; mp = -123°; bp = -5.9°; d^{20} = 0.8665; soluble in organic solvents, slightly soluble in H_2O.

2393 Methazole

20354-26-1 5990 G P



$C_9H_6Cl_2N_2O_3$

2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione.

Bioxone; BRN 0533604; Caswell No. 549AA; Chlor-methazole; 2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxa-diazolidinedione; 2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione; EINECS 243-761-6; EPA Pesticide Chemical Code 106001; HSDB 3436; Metazol; Metazole; Methazole; Mezopur; 1,2,4-Oxadiazolidine-3,5-dione, 2-(3,4-dichlorophenyl)-4-methyl-; Oxydiazol; Paxilon; Probe; Probe 75; Tunic; VCS 438. Broad spectrum herbicide. Registered by EPA as a herbicide (cancelled). Tan crystals; mp = 123 - 124°; sg^{25} = 1.24; soluble in H_2O (0.00015 g/100 ml at 25°), DMF (32 g/100 ml), CH_2Cl_2 (26 g/100 ml), cyclohexanone (17 g/100 ml), Me_2CO (4 g/100 ml), xylene (5.5 g/100 ml), MeOH (0.65 g/100 ml); LD_{50} (rat orl) = 2500 mg/kg, (rbt der) > 12500 mg/kg; LC_{50} (rat ihl 4hr.) > 200 mg/l, (mallard duck 8 day dietary) = 11200 mg/kg diet, (bobwhite quail 8 day dietary) = 1825 mg/kg diet, (bluegill sunfish 96 hr.) = 4.47 mg/l, (rainbow trout 96 hr.) = 4.09 mg/l; toxic to bees. *ICI Chem. & Polymers Ltd.*

2394 Methenamine

100-97-0 5994 D G H

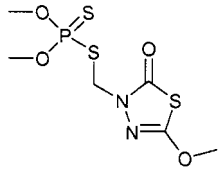
$C_6H_{12}N_4$

1,3,5,7-Tetraazatricyclo[3.3.1.1^{3,7}]decane.

Aceto HMT; AI3-09611; Aminoform; Aminoform-aldehyde; Ammoform; Ammonioformaldehyde; Anti-hydral; Caswell No. 482; CCRIS 2297; Cystamin; Cystogen; Duirexol; EINECS 202-905-8; Ekagom H; EPA Pesticide Chemical Code 045501; Esametilentetramina; Formamine; Formin; Grasselerator 102; Herax UTS; Heterin; Hexa (vulcanization accelerator); Hexa-Flo-Pulver; Hexaform; Hexaloids; Hexamethylenamine; Hexamethylene tetramine; Hexamethyleneamine; Hexa-methylenetetraamine; Hexamethylenetetramine; Hexa-methylenetetraminum; Hexamine; Hexaminum; Hexasan; Hexilmethylenamine; HMT; HSDB 563; Metenamina; Methenamin; Methenamine; Methenaminum; Metramine; Nocceler H; NSC 26346; Preparation AF; Resotropin; S 4 (heterocycle); Sanceler H; UN1328; Uramin; Uratrine; Uritone; Uro-Phosphate; Urodeine; Urotropin; Urotropine; Vulkacit H 30; Xametrin.; component of: Uro-Phosphate. Used in the curing of phenol formaldehyde and resorcinol formaldehyde, resins, rubber to textile adhesives, protein modifier, organic synthesis, pharmaceuticals. Also used as an antibacterial agent. Rhombohedral crystals; mp >250°, sublimes; d^{-5} = 1.331; very soluble in H_2O, soluble in EtOH, Me_2CO, $CHCl_3$, slightly soluble in Et_2O, C_6H_6. *Allchem Ind.; Dajac Labs.; ECR Pharm.; Greeff R.W. & Co.; Mitsubishi Gas; OxyChem; Parke-Davis.*

2395 Methidathion

950-37-8 5999 G P



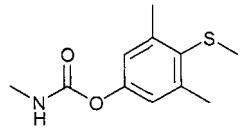
$C_6H_{11}N_2O_4PS_3$

O,O-Dimethyl S-((5-methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl) phosphorodithioate.

AI3-27193; BRN 0619915; Caswell No. 378B; CCRIS 7085; Ciba-Geigy GS 13005; S-(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-methyl)dimethylphosphorothio-lothionate; 3-Dimethoxyphosphinothioylthiomethyl-5-methoxy-1,3,4-thiadiazol-2(3H)-one; DMTP (insectic-ide); ENT 27193; EPA Pesticide Chemical Code 100301; Fisons NC 2964; Geigy 13005; Geigy GS-13005; GS 13005; HSDB 1594; Methidathion; Metidation; OMS 844; (O,O-Dimethyl)-S-(-2-methoxy-delta(sup2)-1,3,4-thiadiazolin-5-on-4-ylmethyl)dithio-phosphate; O,O-Di-methyl-S-(2-methoxy-1,3,4-thiadiazol-5(4H)-onyl-(4)-methyl) dithiophosphat; O,O-Dimethyl-S-(2-methoxy-1,3,4-thiadiazol-5(4H)-onyl-(4)-methyl)-phosphorodithi-oate; O,O-Dimethyl-S-((2-methoxy-1,3,4(4H)thiodiazol-5-on-4-yl)-methyl)-dithiofosfaat; O,O-Dimethyl S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl)-phosphorodithioate; O,O-Dimethyl S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithio-phosphate; O,O-Dimetil-S-((2-metossi-1,3,4-(4H)-tia-diazol-5-on-4-il)-metil)-ditiofos-fato; O,O'-Dimethyl-S-((2-methoxy-1,3,4-thiadiazole-5 (4H)-one-4-yl)methyl)-dithiophosphate; S-((2-Methoxy-5-oxo-1,3,4-thia-diazolin-4-yl)methyl)dimethylphosphoro-thiolothionate; S-((5-Methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl) O,O-dimethylphosphorodithioate; S-2-Metoksy-1,3,4-tiadiazolo-5-on-N-metylo-O,O-dwumetyl-owy; Somonil; Supracid; Supracide; Supracide Ulvair; Suprathion; Ultracid; Ultracid 40; Ultracid EC 40; Ultracide; Ulvair 250. Used as an insecticide and acaricide. Registered by EPA as an acaricide and insecticide. Crystals; mp = 39 - 40°; soluble in H_2O (0.024 g/100g), cyclohexanone (80 g/100 ml), Me_2CO (62 g/100 ml), xylene (52 g/100 ml), EtOH (20.5 g/100 ml), octanol (4.4 g/100 ml); LD_{50} (rat orl) = 25 - 54 mg/kg, (mus orl) = 25 - 70 mg/kg, (rbt orl) = 63 - 80 mg/kg, (gpg orl) = 25 mg/kg, (rbt der) = 200 mg/kg, (rat der) = 1546 mg/kg, (hen orl) = 80 mg/kg; LC_{50} (rat ihl 4 hr.) = 3.6 mg/l air, (rainbow trout 96 hr.) = 0.01 mg/l, (bluegill sunfish 96 hr.) = 0.002 mg/l; slightly toxic to bees. *Gowan Co.; Novartis; Syngenta Crop Protection.*

2396 Methiocarb

2032-65-7 6050 G P



$C_{11}H_{15}NO_2S$

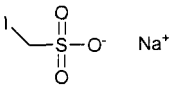
Phenyl-3,5-dimethyl-4-(methylthio)-, methylcarbamate.

Carbamic acid, methyl-, 4-(methylthio)-3,5-xylyl ester; B 37344; Bay 9026; Bayer 37344; BAY 37344; BAY 5024; BAY 9026; Club; Draza; DCR 736; Esurol; ENT 25,726; mercaptodimethur; Mesurol®;

Mesurol phenol; methyl carbamic acid, 4-(methylthio)-3,5-xylyl ester; Metmercapturan; Metmercapturon; Methiocarbe. Versatile product formulated for different uses; especially as a moluscicide against slugs and snails as well as a seed dressing for repelling depredating birds; also as insecticide/acaricide against foliar-feeding caterpillars and sucking pests on various crops. Molluscicide with neurotoxic action. Used for control of slugs and snails in a wide variety of agricultural situations. Pellets containing 4% w/w methiocarb; snail and slug bait. Crystals; mp = 121.5°; soluble in H_2O (27 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 20 mg/kg. *Bayer AG; ICI Agrochemicals; Mobay.*

2397 Methiodal sodium

126-31-8 6002 G



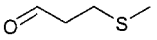
CH_2INaO_3S

Iodomethanesulfonic acid sodium salt.

Abrodan; Abroden; Abrodil; Conturex; Diagnorenol; EINECS 204-782-6; HSDB 4377; Iodomethanesulfonic acid sodium salt; Kontrast-U; Methanesulfonic acid, iodo-, sodium salt; Methiodal; Methiodal s; Methiodal sodique; Methiodal sodium; Methiodalnatrium; Methiodalum natricum; Methoidal sodium; Metiodal sodico; Monoiodomethanesulfonic acid, sodium salt; Myelotrast; NCI-C03849; Neo-sombraven; NSC 510652; Radiographol; Sergosin; Sergosinum; Sergozin; Skiodan; Skiodan Sodium; Sodium iodomethanesulfonate; Sodium methiodal; Sodium monoiodomethanesulfonate. Radiopaque medium used primarily in urology as a diagnostic aid, radio-opaque medium, urographic. Soluble in H_2O (70 g/100 ml), EtOH (2.5 g/100 ml), slightly soluble in C_6H_6, Et_2O, Me_2CO. *Schering.*

2398 Methional

3268-49-3 H



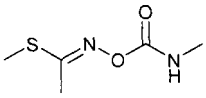
C_4H_8OS

3-(Methylmercapto)propionaldehyde.

4-01-00-03974 (Beilstein Handbook Reference); AI3-36656; BRN 1739289; EINECS 221-882-5; FEMA No. 2747; Methional; Methylmercaptopropionic aldehyde; β-(Methylmercapto)propionaldehyde; 3-(Methylmercapto)-propionaldehyde; 3-Methylmercaptopropyl aldehyde; 3-(Methylthio)propanal; β-(Methylthio)propionaldehyde; 3-(Methylthio)propionaldehyde; NSC 15874; Propanal, 3-(methylthio)-; Propionaldehyde, 3-(methylthio)-; 4-Thiapentanal; UN2785. Liquid; bp_{11} = 62°.

2399 Methomyl

16752-77-5 6012 G P



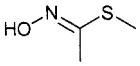
$C_6H_{12}N_2O_3S$

S-Methyl-N[(methylcarbamoyl) oxy]thioacetimidate.

Nudrin; Lannate; Lannate(R); Lanox; Methomyl 5G; Lannabait; Lannate LB; Insecticide 1179; Lanox 216; LANOX 90; Mesomile; Nu-bait II; Thiobutan-2-one, O-(methylcarbamoyl)oxime; Flytek; Kipsin; Dupont 1179; Memilene; Methavin; Methomex; Nudrin; N-[(methylcarbamoyl)oxy]thioacetamidic acid, methyl ester; SD 14999; WL 18236. A cholinesterase inhibitor used as a systemic insecticide and acaricide. Used for control of a wide range of insects and spider mites in many fruits and vegetables. Also for control of flies in animal and poultry houses and in dairies. Registered by EPA as an insecticide. Used as an acaricide. Colorless crystals; mp = 78-79°; d^{24} = 1.2946; soluble in H_2O (5.8 g/100 ml), MeOH (80 g/100 ml), Me_2CO (57.5 g/100 ml), i-PrOH (17 g/100 ml), C_7H_8 (2.6 g/100 ml); LD_{50} (rat orl) = 17 mg/kg, (frat orl) = 24 mg/kg, (rbt der) > 5000 mg/kg, (mallard duck orl) = 15.9 mg/kg, (pheasant orl) = 15.4 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.3 mg/l air, (Pekin duck 8 day dietary) = 1890 mg/kg diet, (bobwhite quail 8 day dietary) = 3680 mg/kg diet; toxic to bees. *Burlington Scientific Corp.; Denka International; E. I. DuPont de Nemours Inc.; Farnam Companies Inc.; Glades Formulating Corp.; Makhteshim Chemical Works Ltd.; Troy Biosciences Inc.; Wellmark International.*

2400 Methomyl oxime

13749-94-5 H



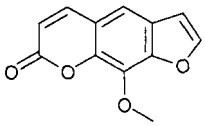
C_3H_7NOS

Methyl N-hydroxyacetimidothioate.

Acetohydroximic acid, thio-, methyl ester; EINECS 237-332-2; Ethanimidothioic acid, N-hydroxy-, methyl ester; Methyl N-hydroxyacetimidothioate; Methyl N-hydroxy-ethanimidothioate; Methyl N-hydroxythio-imidoacetate; Methyl thioacetohydroxamate; 1-(Methylthio)-acetaldehyde oxime; 1-(Methylthio)acetaldoxime.

2401 Methoxsalen

298-81-7 6018 D G



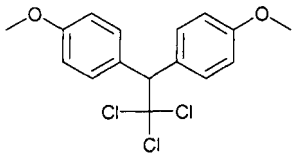
$C_{12}H_8O_4$

8-Methoxy-2',3',6,7-furocoumarin.

5-19-06-00015 (Beilstein Handbook Reference); 6-Hydroxy-7-methoxy-5-benzofuranacrylic acid delta-lactone; 7H-Furo(3,2-G)(1)benzopyran-7-one, 9-methoxy-; Ammodin; Ammoidin; 5-Benzofuranacrylic acid, 6-hydroxy-7-methoxy-, δ-lactone; BRN 0196453; CCRIS 2083; DRG-0088; EINECS 206-066-9; Geroxalen; HSDB 2505; Meladinin; Meladinine; Meladoxen; Meloxine; Methoxa-Dome; Methoxasalen; Methoxsalen; Methox-salen plus ultraviolet radiation; Methoxsalen with ultraviolet A therapy; 8-Methoxy-(furano-3'.2':6.7-coumarin); 8-Methoxy-2',3',6,7-furocoumarin; 8-Methoxypsoralen with ultraviolet A therapy; 8-MOP; 8-MOP Capsules; 9-Methoxy-7H-furo(3,2-g)(1)benzopyran-7-one; 9-Methoxyfuro(3,2-g)chromen-7-one; 9-Methoxypsoralen; NCI-C55903; New-meladinin; NSC 45923; Oxsoralen Lotion; Oxsoralen Ultra; Oxypsoralen; Psoralon-MOP; Puvalen; Uvadex; Xanthotoxin; Xanthotoxine; 6-hydroxy-7-methoxy-5-benzofuranacrylic acid δ-lactone; meladinin; methoxalen; oxypsoralen; proralone-mop; 9-methoxy-7H-furo(3,2-g)benzopyran-7-one; xanthoxin; 7-furocoumarin; zanthotoxin; psoralen-mop; 8-Methoxyfuranocoumarin. Pigmentation agent. Prisms or needles; mp = 148°; λ_m = 219, 249, 300 nm (ε = 39811, 6026, 4898, EtOH), 238, 270, 312 nm (ε = 35481, 6918, 5495, cyclohexane); slightly soluble in H_2O, EtOH, very soluble in $CHCl_3$; LD_{50} (rat ip) = 470 mg/kg. *Bayer Corp. Pharm. Div.; Hoffmann-LaRoche Inc.; ICN Pharm. Inc.*

2402 Methoxychlor

72-43-5 6020 G P



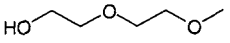
$C_{16}H_{15}Cl_3O_2$

1,1'-(2,2,2-Trichloroethylidene)bis(4-methoxybenzene).

4-06-00-06691 (Beilstein Handbook Reference); 4,4-(2,2,2-trichloroethylidene)dianisole; 4,4-(2,2,2-Trichloro-ethylidene)dianisole; Benzene, 1,1'-(2,2,2-trichloroethyl-idenebis(4-methoxy-; Bis(p-methoxyphenyl)-1,1,1-tri-chloroethane; 2,2-bis(p-methoxyphenyl)-1,1,1-trichloro-ethane; 2,2-Di-(p-methoxyphenyl)-1,1,1-trichloroethane; Bis(p-anisyl)-1,1,1-trichloroethane; 2,2-Bis(p-anisyl)-1,1,1-trichloroethane; 2,2-Di-p-anisyl-1,1,1-trichloro-ethane; BRN 2057367; Caswell No. 550; CCRIS 380; Chemform; Chemform methoxychlor; Dianisyl trichloroethane; Dimethoxy-DDT; Dimethoxydiphenyl-trichloroethane; di(p-methoxyphenyl) trichloromethyl methane;; p,p'-Dimethoxydiphenyltrichloroethane; p,p'-dmdt; DMDT; double-m ec; p,p'-Dwumetoksydwu-fenylotrojchloroetan; ENT 1,716; EPA Pesticide Chemical Code 034001; Ethane, 1,1,1-trichloro-2,2-bis(p-methoxy-phenyl)-; Ethane, 2,2-bis(p-anisyl)-1,1,1-trichloro-; flo pro; Higalmetox; HSDB 1173; Maralate; Marlate; Maxie; mcseed protectant; Methoxcide; methoxo; Methoxy-DDT; Methoxychlor; Methoxychlor 2 EC; Methoxychlore; Metoksychlor; Metox; Mezox K; Moxie; NCI-C00497; NSC 8945; OMS 466; RCRA waste number U247; 1,1,1-Trichlor-2,2-bis(4-methoxy-phenyl)-äthan; 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane; 1,1,1-Trichloro-2,2-bis(p-anisyl)ethane; 1,1,1-Trichloro-2,2-bis(4-methoxy-phenyl)ethane; 2,2,2-trichloro-1,1-bis(4-methoxyphenyl)-ethane; 2,2,2-Trichloro-1,1-bis(4-methoxyphenyl)ethane. Registered by EPA as an insecticide and acaricide. Insecticide effective against mosquito larvae and houseflies; recommended for use in dairy barns. Gray powder - colorless crystals; mp = 89°; sg^{25} = 1.41; poorly soluble in H_2O (0.00001 g/100 ml), soluble in $CHCl_3$ (65 g/100 ml), xylene (38 g/100 ml), MeOH (4 g/100 ml), soluble in aromatic, chlorinated, ketonic solvents, vegetable oils; LD_{50} (rat orl) = 6000 mg/kjg, (rbt der) > 2000 mg/kg, (mallard ducks orl) > 2000 mg/kg; LC_{50} (quail, pheasant, dietary 8 day) > 5000 mg/kg diet; (rainbow trout 24 hr.) = 0.052 mg/l, (bluegill sunfish 24 hr.) = 0.067 mg/l, *Daphnia* 48 hr.) = 0.00078 mg/l. *Bonide Products, Inc.; Kincaid Enterprises; Novartis; Prentiss Inc.; Riverdale Chemical Co.*

2403 Methoxydiglycol

111-77-3 6064 G H



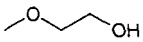
$C_5H_{12}O_3$

2-(2-Methoxyethoxy)ethanol.

4-01-00-02392 (Beilstein Handbook Reference); AI3-18364; BRN 1697812; Caswell No. 338B; DEGME; Diethylene glycol methyl ether; Diethyleneglycol monomethyl ether; Diglycol monomethyl ether; Dowanol 16; Dowanol DM; EGME, di-; EINECS 203-906-6; Ektasolve® DM; EPA Pesticide Chemical Code 042204; 2-(2-Methoxyethoxy)ethanol; Ethanol, 2-(2-methoxy-ethoxy)-; Ethylene diglycol monomethyl ether; HSDB 96; Jeffersol DM; MECB; Methoxydiglycol; Methyl digol; Methyl dioxitol; Methyl karbitol; NSC 2261; Poly-Solv® DM. Evaporating solvent used in brushing *lacquers and dye stains*; useful in wood stains, printing inks, and dye pastes for textiles; coalescing aid for PVAc latex paints; used in stamp pad and stencil inks; diluent for hydraulic brake fluids. Used in hard-surface cleaners, leather dyeing, paints, coatings, printing inks, textile vat dyeing and printing, adhesives, antifreeze, floor waxes/polishes, insect repellents; solubilizer for dyes; plasticizer. Liquid; mp < -84°; bp = 193°; d^{20} = 1.035; soluble in EtOH, Et_2O, freely soluble in H_2O, Me_2CO; LD_{50} (rat orl) = 9.21 g/kg. *Eastman Chem. Co.; Olin Corp.*

2404 Methoxyethanol

109-86-4 6066 G P



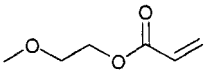
$C_3H_8O_2$

2-Methoxyethanol.

4-01-00-02375 (Beilstein Handbook Reference); Äthylenglykol-monomethylaether; Aethylenglykol-mono-methylaether; AI3-18363; Amsco-Solv EE; BRN 1731074; Caswell No. 551; CCRIS 5826; Cellosolve; Dowanol 7; Dowanol EM; EGM; EGME; EINECS 203-713-7; Ektasolve; EPA Pesticide Chemical Code 042202; Ethanol, 2-methoxy-; Ether monomethylique de l'ethylene-glycol; Ethylene glycol methyl ether; Ethylene glycol monomethyl ether; Glycol ether EM; Glycol monomethyl ether; Glycomethyl ether; HSDB 97; 1-Hydroxy-2-methoxyethane; Jeffersol EM; MECS; 2ME; Methoxyethanol; Methoxyethanol, 2-; 2-Methoxy-1-ethanol; 2-Methoxy-äthanol; 2-Methoxy-aethanol; 2-Methoxyethyl alcohol; 2-Metossietanolo; Methyl Cellosolve®; Methyl ethoxol; Methyl Glycol; Methoxyhydroxyethane; Methyl oxitol; Methylcelosolv; Methylglykol; Metil cellosolve; Metoksyetylowy alkohol; Monoethylene glycol methyl ether; Monomethyl ether of ethylene glycol; Monomethyl ethylene glycol ether; Monomethyl glycol; NSC 1258; 3-Oxa-1-butanol; Poly-Solv EM; Prist; UN1188. A colorless and nearly odorless liquid boiling at 124.5°C; has the lowest boiling-point and greatest rate of evaporation of all available glycol ethers; it is a solvent for cellulose acetate. Used as a solvent for brake fluids, hard-surface cleaners, leather dyeing, paints, coatings, printing inks, textile vat dyeing and printing, adhesives antifreeze, floor waxes/polishes, insect repellents; solubilizer for dyes; plasticizer. Registered by EPA as an antimicrobial and fungicide (cancelled). Liquid; mp = -85.1°; bp = 124.1°, bp_{20} - 34 - 41°; d^{20} = 0.9647; freely soluble in H_2O, Et_2O, C_6H_6, very soluble in EtOH, soluble in Me_2CO, slightly soluble in $CHCl_3$; LD_{50} (rat orl) = 2460 mg/kg, (gpg orl) = 950 mg/kg; MLC (mus 7 hr. in air) = 4.6 mg/l. *Arco; Ashland; Fluka; Olin Corp; OxyChem; Union Carbide Corp.*

2405 Methoxyethyl acrylate

3121-61-7 G



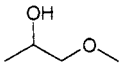
$C_6H_{10}O_3$

Methoxyethyl acrylate.

4-02-00-01469 (Beilstein Handbook Reference); Acrylic acid, 2-methoxyethyl ester; Acrylic acid, 2-methoxyethoxy ester; Ageflex MEA; AI3-15726; BRN 1754333; EINECS 221-499-3; Ethanol, 2-methoxy-, acrylate; Ethylene glycol monomethyl ether acrylate; Glycol monomethyl ether acrylate; 2-Methoxyethanol, acrylate; 2-Methoxyethoxy acrylate; 2-Methoxyethyl acrylate; Methyl cellosolve acrylate; NSC 24153; 2-Propenoic acid, 2-methoxyethyl ester; Sipomer MCA. Solvent-resistant elastomer, polyacrylate rubber, UV-curable reactive diluent, soft contact lenses, PVC impact modifier, fabric coatings, barrier coatings for polyethylene, textile coatings. Liquid; bp_{17} = 61°; d^{20} = 1.012; soluble in H_2O, organic solvents; moderately toxic by ingestion and inhalation; LD_{50} (rat orl) = 810 mg/kg. *Rit-Chem.*

2406 Methoxyisopropanol

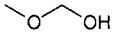
107-98-2 H



$C_4H_{10}O_2$
1-Methoxy-2-propanol.
3-01-00-02146 (Beilstein Handbook Reference); Arcosolv® PM; AI3-15573; BRN 1731270; Closol; Dowanol® 33B; Dowtherm 209; EINECS 203-539-1; Icinol PM; HSDB 1016; Methoxyisopropanol; 1-Methoxy-2-hydroxypropane; 1-Methoxy-2-propanol; 2-Methoxy-1-methylethanol; Methyl proxitol; NSC 2409; PGME; Poly-Solv® MPM; 2-Propanol, 1-methoxy-; Propasol solvent M; Propylene glycol methyl ether; Propylene glycol monomethyl ether; Solvenon® PM; Solvent PM; Ucar Solvent LM; UN3092. Solvent for coatings, cleaners, inks, agricutural products, cosmetics, chemical intermediate applications. Coupling agent providing improved surface wetting, soil penetration in household, commercial and industrial cleaning products. Solvent used in brake fluids, hard-surface cleaners, leather dyeing, paints, coatings, printing inks, textile vat dyeing and printing, adhesives, antifreeze, floor waxes/polishes, insect repellents; solubilizer for dyes; plasticizer. Liquid; mp = -97°; bp = 119°; d^{20} = 0.9620; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 5660 mg/kg. *Arco; BASF Corp.; ICI Spec.; Olin Corp.*

2407 Methoxymethanol

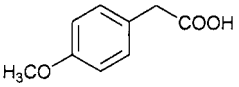
4461-52-3 H



$C_2H_6O_2$
Methoxymethanol.
EINECS 224-722-2; Methanol, methoxy-; Methoxy-methanol.

2408 p-Methoxyphenylacetic acid

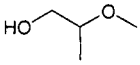
104-01-8 G



$C_9H_{10}O_3$
4-Methoxyphenylacetic acid.
4-10-00-00544 (Beilstein Handbook Reference); 2-(p-Anisyl)acetic acid; Acetic acid, p-methoxyphenyl-; Benzeneacetic acid, 4-methoxy-; BRN 1101737; EINECS 203-166-4; Homoanisic acid; 4-Methoxybenzeneacetic acid; 4-Methoxyphenylacetic acid; p-Methoxy-phenylacetic acid; NSC 27799. Used in manufacture of pharmaceuticals and other organic compounds. Plates; mp = 87°; bp_2 = 138°; λ_m = 225, 277, 283 nm (ε = 9640, 1700, 1460, MeOH); slightly soluble in H_2O (0.6 g/100 ml), $CHCl_3$, ligroin, soluble in Et_2O, C_6H_6, very soluble in EtOH; LD_{50} (rat orl) = 1550 mg/kg. *Lancaster Synthesis Co.; Penta Mfg.*

2409 Methoxy-1-propanol

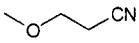
28677-93-2 H



$C_4H_{10}O_2$
Methoxy-1-propanol.
EINECS 249-146-9; Methoxy-1-propanol.

2410 3-Methoxypropionitrile

110-67-8 H



C_4H_7NO
1-Cyano-2-methoxyethane.
4-03-00-00708 (Beilstein Handbook Reference); AI3-25449; BRN 1739284; 1-Cyano-2-methoxyethane; 2-Cyanoethyl methyl ether; EINECS 203-790-7; β-Methoxypropionitrile; β-Methoxypropionitril; 3-Methoxy-propanenitrile; 3-Methoxypropannitril; 3-Methoxy-propionitrile; 3-Methoxypropylnitrile; Methyl β-cyano-ethyl ether; NSC 4090; Propanenitrile, 3-methoxy-. Liquid; bp = 163°; d^{20} = 0.9379; soluble in EtOH, Et_2O, $CHCl_3$.

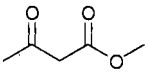
2411 Methyl acetate

79-20-9 6038 G H

$C_3H_6O_2$
Acetic acid, methyl ester.
Acetate de methyle; Acetic acid, methyl ester; CCRIS 5846; Devoton; EINECS 201-185-2; Ethyl ester of monoacetic acid; FEMA Number 2676; HSDB 95; Methyl acetate; Methyl acetic ester; Methyl ethanoate; Methylacetaat; Methylacetat; Methyle (acetate de); Methylester kiseliny octove; Metile (acetato di); NSC 405071; Octan metylu; Tereton; UN1231. Used in paint remover compounds, as a lacquer solvent, intermediate, synthetic flavoring; solvent for nitrocellulose, acetylcellulose; manufacture of artificial leather. Liquid; mp = -98°; bp = 56.8°; d^{20} = 0.9342; insoluble in H_2O, soluble in organic solvents; LD_{50} (rbt orl) = 3705 mg/kg. *Akzo Chemie; Hoechst Celanese; Penta Mfg.*

2412 Methyl acetoacetate

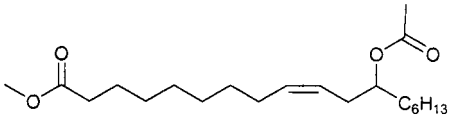
105-45-3 6039 H



$C_5H_8O_3$
Methyl 3-oxobutyrate.
Acetoacetic acid, methyl ester; Acetoacetic methyl ester; AI3-06000; Butanoic acid, 3-oxo-, methyl ester; CCRIS 2302; EINECS 203-299-8; HSDB 1083; Methyl 3-oxobutanoate; Methyl 3-oxobutyrate; Methyl aceto-acetate; Methyl acetylacetate; Methyl acetylacetonate; Methylacetoacetate; Methylester kyseliny acetoctove. Solid; mp = 27.5°; bp = 171.7°; d^{20} = 1.0762; λ_m = 240 nm (ε = 1514, EtOH); soluble in CCl_4, very soluble in H_2O, freely soluble in EtOH, Et_2O.

2413 Methyl acetyl ricinoleate

140-03-4 G

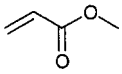


$C_{21}H_{38}O_4$
Methyl 12-acetoxyoleate.
0-03-00-00387 (Beilstein Handbook Reference); 12-(Acetyloxy)-9-octadecenoic acid, methyl ester; BRN 1729461; CCRIS 7333;

EINECS 205-392-9; Flexricin® P-4; Flexricin® P-4; Methyl 12-acetoxy-9-octadecenoate; Methyl 12-acetoxyoleate; Methyl acetyl ricinoleate; Methyl O-acetylricinoleate; Methyl ricinoleate, acetate; Methylester kyseliny acetylricinolejove; NSC 2398; 9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester; 9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, (9Z,12R)-; 9-Octadecenoic acid, 12-(acetyloxy)-, methyl ester, (R-(Z))- (9Cl); Ricinoleic acid, methyl ester, acetate; Ricinoleic acid, methyl ester, acetate; Methyl 12-acetoxy-9-octadecenoate. All purpose plasticizer, lubricant for vinyls and lacquers. Liquid; mp = -15°; d = 0.938; soluble in most organic solvents; insoluble in water; LD_{50} (mus orl) = 34,900 mg/kg. *CasChem.*

2414 Methyl acrylate

96-33-3 6041 G H



$C_4H_6O_2$

2-Propenoic acid, methyl ester.

4-02-00-01457 (Beilstein Handbook Reference); Acrylate de methyle; Acrylic acid, methyl ester; Acrylsaeure-methylester; Acrylsäuremethylester; AI3-15715; BRN 0605396; CCRIS 1839; Curithane 103; EINECS 202-500-6; HSDB 194; Methoxycarbonylethylene; Methyl 2-propenoate; Methyl-acrylat; Methyl acrylate; Methyl propenoate; Methylacrylaat; Methylacrylate; Methylester kyseliny akrylove; Metilacrilato; NSC 24146; UN1919. Used in manufacture of acrylic polymers, amphoteric surfactants, as a chemical intermediate, in leather finish resins, textile and paper coatings and plastic films. Liquid; mp < -75°; bp = 80.7°; d^{20} = 0.9535; slightly soluble in H_2O (6 g/100 ml) , soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 277 mg/kg. *BASF Corp.; Hoechst Celanese.*

2415 Methyl alcohol

67-56-1 5984 G P

CH_4O

Monohydroxymethane.

AI3-00409; Alcohol, methyl; Alcool methylique; Alcool metilico; Bieleski's solution; Carbinol; Caswell No. 552; CCRIS 2301; Coat-B1400; Colonial spirits; Columbian Spirit; EINECS 200-659-6; EPA Pesticide Chemical Code 053801; Eureka Products, Criosine; Eureka Products Criosine Disinfectant; Freers Elm Arrester; HSDB 93; Ideal Concentrated Wood Preservative; Metanol; Metanolo; Methanol; Methyl alcohol; Methyl hydrate; Methyl hydroxide; Methylalkohol; Methylol; Metylowy alkohol; Monohydroxymethane; NSC 85232; Pyroxylic Spirit; RCRA waste number U154; Surflo-B17; UN1230; Wilbur-Ellis Smut-Guard; Wood alcohol; Wood naphtha; Wood Spirit; X-Cide 402 Industrial Bactericide. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide (cancelled). FDA approved for orals, USP/NF, BP compliance. Used in orals as a solvent and excipient. Industrial solvent; feedstock in organic synthesis. Additive in antifreeze, gasoline. Chemical intermediate and solvent. Used in the manufacture of formaldehyde, acetic acid, as a solvent, in chemical synthesis of methyl amines, methyl chloride and methyl methacrylate. Liquid; mp = -97.6°; bp = 64.6°; soluble in H_2O, EtOH, Et_2O, C_6H_6, ketones; d^{20} = 0.7914. LD_{50} (rat orl) ▪ 5628 mg/kg; TLV = 200 ppm in air. *Albright & Wilson Americas Inc.; Ashland; Brown; Coyne; DuPont; Eastman Chem. Co.; General Chem; Hoechst Celanese; Integra; Mallinckrodt Inc.; Mitsui Toatsu; Nissan Chem. Ind.; Norsk Hydro AS; Quantum/USI; Rit-Chem; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Veckridge.*

2416 Methylamine

74-89-5 6044 H

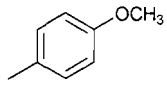
CH_5N

Methanamine.

AI3-15637; Aminomethane; Carbinamine; CCRIS 2508; EINECS 200-820-0; HSDB 810; Mercurialin; Methanamine; Methylamine; N-Methylamine; Methylaminen; Metilamine; Metyloamina; MMA; Monomethylamine; UN1061; UN1235. Used in tanning and in organic synthesis. Colorless gas; mp = -93.4°; bp = -6.3°; d^{25} = 0.656, soluble in H_2O, organic solvents; LD_{50} (rat orl) = 100-200 mg/kg. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2417 p-Methylanisole

104-93-8 H



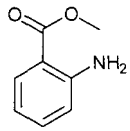
$C_8H_{10}O$

Methyl 4-methylphenyl ether.

AI3-07621; Anisole, p-methyl-; Benzene, 1-methoxy-4-methyl-; EINECS 203-253-7; FEMA Number 2681; HSDB 5363; Methyl 4-methylphenyl ether; Methyl p-cresol; Methyl p-cresyl ether; Methyl p-methylphenyl ether; Methyl p-tolyl ether; Methyl-para-cresol; NSC 6254; Toluene, 4-methoxy-. Oil; mp = -32°; bp = 175.5°; d^{25} = 0.969; λ_m = 278, 284 nm (MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$.

2418 Methyl anthranilate

134-20-3 6049 G P



$C_8H_9NO_2$

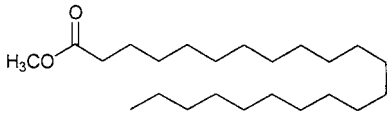
o-Aminobenzoic acid methyl ester.

4-14-00-01008 (Beilstein Handbook Reference); AI3-01022; Amino methyl benzoate, o-; Anthranilic acid, methyl ester; Antranilato de metilo; artificial Neroli oil; Benzoic acid, 2-amino-, methyl ester; BRN 0606965; Carbomethoxyaniline; CCRIS 1349; EINECS 205-132-4; EPA Pesticide Chemical Code 128725; FEMA No. 2682; HSDB 1008; Methyl 2-aminobenzoate; Methyl o-aminobenzoate; Methyl anthranilate; Methylester kyseliny anthranilove; Neroli oil, artifical; Nevoli oil; NSC 3109. Flavoring, fragrance, perfume, cosmetics, pomades; intermediate for pharmaceuticals and dyes. FDA, FEMA GRAS, Japan approved as a flavoring. Used as a grape and berry flavoring agent, as an orange scent in ointments and suntan oils. Registered by EPA as a bird repellent. Used as a bird repellent. Crystals; mp = 24.5°; bp ▪ 259°, bp_{15} = 135.5°; d^{15} ▪ 1.167 - 1.175; λ_m = 218, 247, 337 nm (ε = 27900, 7110, 4910, MeOH); soluble in fixed oils, propylene glycol, slightly soluble in H_2O, insoluble in glycerol; LD_{50} (rat orl) = 2910 mg/kg, (mus orl) = 3900 mg/kg. *BASF Corp.; Becker Underwood, Inc.; Bell F & F; Generic; Haarmann &*

Reimer GmbH; PMC; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.

2419 Methyl behenate

929-77-1 G



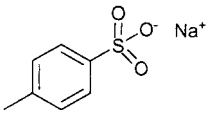
$C_{23}H_{46}O_2$

Methyl docosanoate.

AI3-36456; Behenic acid, methyl ester; Docosanoic acid, methyl ester; EINECS 213-207-8; HSDB 2724; Kemester® 9022; Methyl docosanoate; NSC 158426. Intermediate in production of superamides, in metalworking lubricants, as solv. Needles; mp = 54°; very soluble in EtOH, Et_2O. *CK Witco Corp.*

2420 Methylbenzenesulfonic acid, sodium salt

12068-03-0 H



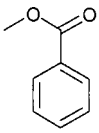
$C_7H_7NaO_3S$

ar-Toluenesulfonic acid, sodium salt.

Benzenesulfonic acid, methyl-, sodium salt; Cyclophil STS 70; EINECS 235-088-1; Eltesol ST 34; Eltesol ST 90; Methylbenzenesulfonic acid, sodium salt; Pilot STS 32; Sodium methylbenzenesulfonate; Sodium toluene-sulfonate; Sodium toluenesulphonate; Toluenesulfonic acid sodium salt; ar-Toluenesulfonic acid, sodium salt. Mixture of o, m and p-isomers.

2421 Methyl benzoate

93-58-3 6052 G H



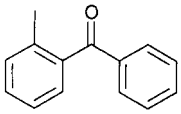
$C_8H_8O_2$

Benzoic acid, methyl ester.

AI3-00525; Benzoic acid, methyl ester; CCRIS 5851; Clorius; EINECS 202-259-7; Essence of niobe; FEMA No. 2683; HSDB 5283; Methyl benzenecarboxylate; Methyl benzoate; Methylester kyseliny benzoove; Niobe oil; NSC 9394; Oil of niobe; UN2938. Used in perfumery, as a solvent for cellulose esters and ethers, resins, rubber; flavoring. Liquid; mp = -15°; bp = 199°; d^{15} = 1.0933; insoluble in H_2O, soluble in organic solvents; λ_m = 228, 272, 280 nm (ε = 11000, 830, 686, MeOH); LD_{50} (rat orl) ■ 1177 mg/kg. *Lancaster Synthesis Co.; Morflex; Penta Mfg.; Pentagon Chems. Ltd.; Sybron.*

2422 2-Methylbenzophenone

131-58-8 G



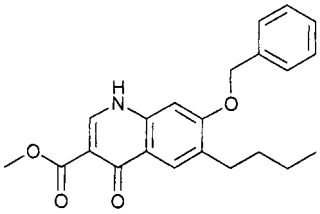
$C_{14}H_{12}O$

Phenyl tolyl ketone.

AI3-11216; Benzophenone, 2-methyl-; EINECS 205-032-0; Methanone, (2-methylphenyl)phenyl-; 2-Methylbenzophenone; o-Methylbenzophenone; NSC 67362; Phenyl o-tolyl ketone. Perfume additive (fixative). Liquid; mp <-18°; bp = 308°, bp_{12} = 128°, $bp_{0.3}$ = 125-127°; d^{20} = 1.1098; λ_m = 252, 332 nm (ε = 15136, 151, EtOH); insoluble in H_2O, soluble in organic solvents, very soluble in EtOH. *Janssen Chimica; Spectrum Chem. Manufacturing.*

2423 Methyl benzoquate

13997-19-8 6498 G V



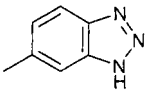
$C_{22}H_{23}NO_4$

6-Butyl-1,4-dihydro-4-oxo-7-(phenylmethoxy)-3-quinolinecarboxylic acid methyl ester.

AI3-52600; AY 20385; EINECS 237-796-6; ICI 55,052; Methyl 7-(benzyloxy)-6-butyl-1,4-dihydro-4-oxo-3-quino-linecarboxylate; Methyl benzoquate; Nequinate; Nequinato; Nequinatum; 3-Quinolinecarboxylic acid, 6-butyl-1,4-dihydro-4-oxo-7-(phenylmethoxy)-, methyl ester; Statyl. Coccidiostat used in poultry feedstuffs. Crystals; mp = 287-288°. *ICI Agrochemicals; Purina Mills Inc.*

2424 5-Methylbenzotriazole

136-85-6 G



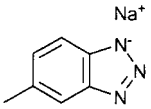
$C_7H_7N_3$

5-methyl-1H-benzo-1,2,3-triazole.

4-26-00-00144 (Beilstein Handbook Reference); 1H-Benzotriazole, 5-methyl-; BRN 0116658; CCRIS 6780; EINECS 205-265-8; 5-Methyl-1,2,3-benzotriazole; 6-Methyl-1,2,3-benzotriazole; 5-Methyl-1H-benzotriazole; 6-Methylbenzotriazole; NSC 122012; Retrocure® G; Tolutriazole; Vulkalent® TM. Blend of 4- and 5-methylbenzotriazole; prevulcanization retarder for sulfur-modified CR and halobutyl rubbers; also effective in NBR when Vulkacit DM/sulfur curing systems are used; applications including conveyor belting, hose, and molded goods. Solid; mp = 80-82°; bp_{12} = 210-212°. *Akrochem Chem. Co.; Bayer AG; Polysar.*

2425 Methyl-1H-benzotriazole, sodium salt

64665-57-2 H



$C_7H_6N_3Na$

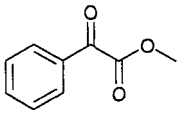
1H-Benzotriazole, 4(or 5)-methyl-, sodium salt.

1H-Benzotriazole, 4(or 5)-methyl-, sodium salt; EINECS 265-004-9;

Methyl-1H-benzotriazole, sodium salt; Sodium 4(or 5)-methyl-1H-benzotriazolide; Tolyltriazole, sodium salt.

2426 Methyl benzoylformate

15206-55-0 G



$C_9H_8O_3$

Methyl phenylglyoxalate.

AI3-07037; Benzeneacetic acid, α-oxo-, methyl ester; EINECS 239-263-3; Glyoxylic acid, phenyl-, methyl ester; Methyl oxophenylacetate; Methyl phenylglyoxylate; NSC 171206; Phenylglyoxylic acid, methyl ester; Vicure® 55. High purity photoinitiator for UV curable systems, especially acrylate-based formulations. Liquid; bp = 246-248°; d = 1.1550. *Akzo Chemie.*

2427 Methyl bromide

74-83-9 6056 H

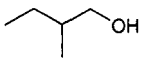
CH_3Br

Bromomethane.

AI3-01916; Bercema; Brom-methan; Brom-O-Gas; Brom-O-Gas Methyl Bromide Soil Fumigant; Brom-O-Gaz; Brom-O-Sol; *Bromometano; Bromomethane; Bromur di metile; Bromure de* methyle; Bromuro di metile; Broommethaan; Caswell No. 555; CCRIS 385; Celfume; Curafume; Dawson 100; Detia gas EX-M; Dowfume MC-2; Dowfume MC-2 soil fumigant; Dowfume MC-2 Fumigant; Dowfume MC-2; Dowfume MC-2R; Dowfume MC-33; Drexel Plant Bed Gas; Edco; EINECS 200-813-2; Embafume; EPA Pesticide Chemical Code 053201; F 40B1; Fumigant-1 (Obs.); Halon 1001; Haltox; HSDB 779; Iscobrome; Kayafume; M-B-C Fumigant; M-B-R 98; MB; MBC-33 Soil Fumigant; MBC Soil Fumigant; MBX; MC-33; MeBr; Metafume; Meth-O-Gas; Methane, bromo-; Methogas; Methyl Bromide Rodent Fumigant (with chloropicrin); Methyl fume; Methylbromid; Metylu bromek; Monobromomethane; Pestmaster; Pestmaster Soil Fumigant-1; Profume; R 40B1; RCRA waste number U029; Rotox; Superior Methyl Bromide-2; Terabol; Terr-O-Cide II; Terr-O-Gas; Terr-O-Gas 67; Terr-O-Gas 100; Tri-Brom; UN 1062; Zytox. Registered by EPA as an insecticide and bactericide. Fumigant used as an insecticide, acaricide and rodenticide in grain storage facilities. Colorless gas; mp = -93°; bp = 4.5°; soluble in H_2O 1.34 g/100 ml), readily soluble in lower alcohols, ethers, esters, ketones, aromatic and halogenated hydrocarbons, CS_2; LC_{100} (rat inhl 6 hr.) = 0.63 mg/l air, not dangerous to bees. *AmeriBrom Inc.; Great Lakes Chemical Corp; La-Co Industries; Soil Chemicals Corp.*

2428 2-Methylbutanol

137-32-6 6057 H



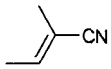
$C_5H_{12}O$

2-Methyl-1-butanol.

4-01-00-01666 (Beilstein Handbook Reference); Active amyl alcohol; Active primary amyl alcohol; AI3-24190; BRN 1718810; sec-Butylcarbinol; dl-sec-Butyl carbinol; EINECS 205-289-9; EINECS 252-163-4; HSDB 5626; NSC 8431; Primary active amyl alcohol. Liquid; bp = 128°; d^{25} = 0.8150; slightly soluble in H_2O, very soluble in Me_2CO, freely soluble in EtOH, Et_2O.

2429 2-Methyl-2-butenenitrile

30574-97-1 H



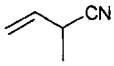
C_5H_7N

2-Butenenitrile, 2-methyl-, (2E)-.

2-Butenenitrile, 2-methyl-, (2E)-; 2-Butenenitrile, 2-methyl-, (E)-; EINECS 250-247-5; (E)-2-Methyl-2-butenenitrile.

2430 2-Methyl-3-butenenitrile

16529-56-9 H



C_5H_7N

3-Cyanobut-1-ene.

AI3-30534; 3-Butenenitrile, 2-methyl-; CCRIS 6056; 3-Cyanobut-1-ene; EINECS 240-596-1; 2-Methyl-3-butenenitrile.

2431 Methyl t-butyl ether

1634-04-4 6059 H

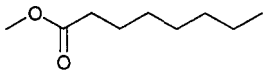
$C_5H_{12}O$

2-Methoxy-2-methylpropane.

4-01-00-01615 (Beilstein Handbook Reference); BRN 1730942; CCRIS 7596; EINECS 216-653-1; Ether, tert-butyl methyl; HSDB 5847; MTBE; Propane, 2-methoxy-2-methyl-; t-Butyl methyl ether; tert-Butyl methyl ether; UN2398. Liquid; mp = -108.6°; bp = 55.2°; d^{20} = 0.7405; soluble in H_2O, very soluble in EtOH, Et_2O.

2432 Methyl caprylate

111-11-5 H



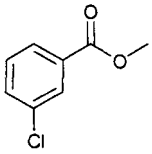
$C_9H_{18}O_2$

Methyl n-octanoate.

4-02-00-00986 (Beilstein Handbook Reference); AI3-01979; BRN 1752270; Caprylic acid methyl ester; EINECS 203-835-0; FEMA No. 2728; HSDB 5544; Methyl caprylate; Methyl octanoate; Methyl n-octanoate; Methyl octylate; NSC 3710; Octanoic acid, methyl ester; Uniphat A20. Oil; mp = -40°; bp = 192.9°; d^{20} = 0.8775; insoluble in H_2O, *slightly soluble in CCl_4, very soluble in EtOH, Et_2O.*

2433 Methyl m-chlorobenzoate

2905-65-9 H



$C_8H_7ClO_2$
Benzoic acid, 3-chloro-, methyl ester.
Benzoic acid, 3-chloro-, methyl ester; Benzoic acid, m-chloro-, methyl ester; m-Chlorobenzoic acid methyl ester; EINECS 220-814-1; HSDB 5465; Methyl 3-chlorobenzoate.

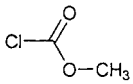
2434 Methyl chloroform

71-55-6 9710 G H

$C_2H_3Cl_3$
1,1,1-Trichloroethane.
4-01-00-00138 (Beilstein Handbook Reference); Aerothene TT; AI3-02061; Algylen; Baltana; BRN 1731614; Caswell No. 875; CCRIS 1290; CF 2; Chloroethene (inhibited); Chloroform, methyl-; Chlorotene; Chlorothene; Chlorothene NU; Chlorothene SM; Chlorothene VG; Chlorten; Chlorylen; Cleanite; Dowclene LS; EINECS 200-756-3; EPA Pesticide Chemical Code 081201; Ethana; Ethana NU; Ethane, 1,1,1-trichloro-; F 140a; Gemalgene; Genklene; Genklene LB; HCC 140a; HCC 140a; HSDB 157; ICI-CF 2; Inhibisol; Methyl chloroform; Methylchloroform; Methyltrichloromethane; NCI-C04626; NSC 9367; NUEthane; RCRA waste number U226; Solvent 111; α-T; Tafclean; Tcea; Three One A; Three One S; Trichloran; Trichloro-1,1,1-ethane; Trichloroethane; α-Trichloro-ethane; Trichloroethane; Trichloroethane, 1,1,1-; Tri-chloromethylmethane; Trielene; UN 2831. Registered by EPA as an insecticide (cancelled). Used as a solvent for cleaning precision instruments, metal degreasing, pesticide, textile processing. Liquid; mp = -30.4°; bp = 74.0°; d^{20} = 1.3390; insoluble in H_2O, soluble in Me_2CO, C_6H_6, CCl_4, MeOH, Et_2O. *Sigma-Aldrich Co.*

2435 Methyl chloroformate

79-22-1 6071



$C_2H_3ClO_2$
Chloroformic acid methyl ester.
4-03-00-00023 (Beilstein Handbook Reference); BRN 0605437; Carbonochloridic acid, methyl ester; Chlorameisensaeure methylester; Chlorameisensäure methylester; Chlorocarbonate de methyle; Chlorocarbonic acid methyl ester; Chloroformiate de methyle; Chloroformic acid methyl ester; EINECS 201-187-3; Formic acid, chloro-, methyl ester; HSDB 1116; K-Stoff; MCF; Methoxycarbonyl chloride; Methyl chloro-carbonate; Methyl *chloroformate*; Methylchloorformiaat; Methylester kyseliny chlormravenci; Methylester kyseliny chloruhlicite; Metilcloroformiato; RCRA waste number U156; TL 438; UN1238. Extremely lachrymatory. Active chemical intermediate, used in pharmaceutical, agricultural and pesticide manufacturing. Liquid; bp = 70.5°; d^{20} = 1.2231; very soluble in EtOH, Et_2O, less soluble in C_6H_6, $CHCl_3$. *Esprit Chem. Co.*

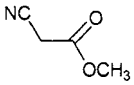
2436 Methyl cocoate

61788-59-8 H

Coconut oil acid, methyl esters.
Coconut fatty acid methyl ester; Coconut oil acid, methyl esters; EINECS 262-988-1; Fatty acids, coco, Me esters; Methyl cocoate.

2437 Methyl cyanoacetate

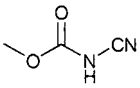
105-34-0 G



$C_4H_5NO_2$
Methyl 2-cyanoacetate.
4-02-00-01889 (Beilstein Handbook Reference); Acetic acid, cyano-, methyl ester; AI3-05599; BRN 0773945; Cyanoacetic acid methyl ester; EINECS 203-288-8; Methyl cyanoacetate; Methyl cyanoethanoate; Methylester kyseliny kyanoctove; NSC 3113; USAF KF-22. Used in organic synthesis and manufacture of pharmaceuticals and dyes. Liquid; mp = -22.5°; bp = 200.5°; d^{25} = 1.1225; insoluble in H_2O, very soluble in EtOH, Et_2O. *Degussa-Hüls Corp.; Greeff R.W. & Co.; Lonzagroup.*

2438 Methyl cyanocarbamate

21729-98-6 H



$C_3H_4N_2O_2$
Carbamic acid, cyano-, methyl ester.
Carbamic acid, cyano-, methyl ester; EINECS 244-548-0; Methyl cyanocarbamate.

2439 Methyl cyclohexane

108-87-2 6074 G

C_7H_{14}
Hexahydrotoluene.
AI3-18132; Cyclohexane, methyl-; Cyclohexylmethane; EINECS 203-624-3; Hexahydrotoluene; HSDB 98; Methylcyclohexane; Metylocykloheksan; NSC 9391; Sextone B; Toluene hexahydride; Toluene, hexahydro-; UN2296. Solvent for cellulose ethers, organic synthesis. Liquid; mp = -126.6°; bp = 100.9°; d^{20} = 0.7694; insoluble in H_2O, soluble EtOH, Et_2O, freely soluble in Me_2CO, C_6H_6, CCl_4, ligroin. LD_{50} (mus orl) = 2250 mg/kg. *Janssen Chimica; Penta Mfg.; Phillips 66.*

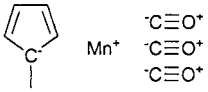
2440 Methylcyclopentadiene dimer

26472-00-4 H

$C_{12}H_{16}$
3a,4,7,7a-Tetrahydrodimethyl-4,7-methano-1H-indene.
Bis(methylcyclopentadiene); Dimethyldicyclopentadiene; EINECS 247-724-5; 4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydrodimethyl-; 4,7-Methanoindene, 3a,4,7,7a-tetrahydrodimethyl-; Methylcyclopentadiene dimer; 3a,4,7,7a-Tetrahydrodimethyl-4,7-methanoindene.

2441 Methylcyclopentadienyl manganese tricarbonyl

12108-13-3 6244 H

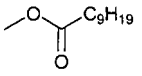


$C_9H_7MnO_3$
2-Methylcyclopentadienylmanganese tricarbonyl.

AI3-61450; AK-33X; Antiknock-33; CI-2; Combustion improver -2; EINECS 235-166-5; HSDB 2014; Manganese, (methylcyclopentadienyl)tricarbonyl-; Man-ganese, tricarbonyl methylcyclopentadienyl; Methyl-cyclopentadienyl manganese tricarbonyl; Methyl-cyklopentadientrikarbonylmanganium; Methylcym-antrene; MMT; NSC 22316; Tricarbonyl(methylcyclo-pentadienyl)manganese; Tricarbonyl(2-methylcyclo-pentadienyl)manganese. Used as a fuel additive.

2442 Methyl decanoate

110-42-9 G H



$C_{11}H_{22}O_2$

Methyl n-decanoate.

4-02-00-01044 (Beilstein Handbook Reference); AI3-26168; BRN 1759170; Capric acid methyl ester; CCRIS 673; n-Decanoic acid, methyl ester; EINECS 203-766-6; HSDB 5399; Metholene 2095; Methyl caprate; Methyl n-caprate; Methyl caprinate; Methyl decanoate; Methyl n-decanoate; NSC 3713; Uniphat A30. Intermediate in manufacture of detergents, emulsifiers, wetting agents, stabilizer, resins, lubricants, plasticizer. Liquid; mp = -18°; bp = 224°; d^{20} ■ 0.8730; insoluble in H_2O, slightly soluble in CCl_4; very soluble in EtOH, Et_2O, freely soluble in $CHCl_3$. *Penta Mfg.; Procter & Gamble Co.*

2443 Methyldichlorosilane

75-54-7 H

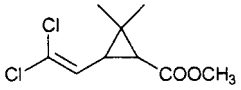
CH_4Cl_2Si

Dichloromethylsilane.

4-04-00-04096 (Beilstein Handbook Reference); BRN 1071194; CCRIS 849; Dichloro(methyl)silane; Dichlorohydridomethylsilicon; Dichloromethylsilane; EINECS 200-877-1; HSDB 1167; Methyl-dichlorsilan; Methyldichlorosilane; Monomethyldichlorosilane; Silane, dichloromethyl-; UN1242. Used as a silylating agent. Liquid; mp = -93°; bp = 41°; d^{25} ■ 1.105. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.; United Chemical Corp.*

2444 Methyl 3-(2,2-dichlorovinyl)-2,2-dimethyl-cyclopropanecarboxylate

61898-95-1 H



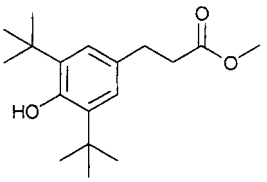
$C_9H_{12}Cl_2O_2$

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, methyl ester.

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, methyl ester; EINECS 263-308-6; Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxyl-ate.

2445 Methyl 3-(3,5-di-t-butyl-4-hydroxyphenyl)-propionate

6386-38-5 H



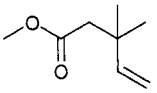
$C_{18}H_{28}O_3$

Hydrocinnamic acid, 3,5-di-t-butyl-4-hydroxy-, methyl ester.

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, methyl ester; EINECS 228-985-4; Hydro-cinnamic acid, 3,5-di-t-butyl-4-hydroxy-, methyl ester; Methyl 3-(3,5-di-t-butyl-4-hydroxyphenyl)propionate.

2446 Methyl 3,3-dimethylpent-4-enoate

63721-05-1 H



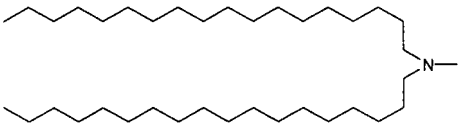
$C_8H_{14}O_2$

3,3-Dimethyl-4-pentenoic acid, methyl ester.

3,3-Dimethyl-4-pentenoic acid, methyl ester; EINECS 264-431-8; Methyl 3,3-dimethyl-4-pentenoate; Methyl 3,3-dimethylpent-4-enoate; 4-Pentenoic acid, 3,3-dimethyl-, methyl ester; Penten-4-oic acid, 3,3-dimethyl, methyl ester.

2447 N-Methyldioctadecylamine

4088-22-6 H



$C_{37}H_{77}N$

1-Octadecanamine, N-methyl-N-octadecyl-.

Dioctadecylamine, N-methyl-; EINECS 223-819-7; N-Methyldioctadecylamine; 1-Octadecanamine, N-methyl-N-octadecyl-.

2448 Methyl disulfide

624-92-0 G H

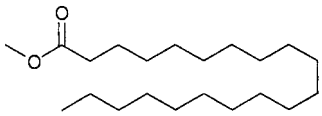
$C_2H_6S_2$

Methyldithiomethane.

AI3-25305; CCRIS 2939; Dimethyl disulfide; Dimethyl disulphide; Dimethyldisulfide; Disulfide, dimethyl; 2,3-Dithiabutane; EINECS 210-871-0; FEMA No. 3536; HSDB 6400; Methyl disulfide; Methyldisulfide; Methyl-dithiomethane; NSC 9370; Sulfa-Hitech® 0382; UN2381. Solvent used to dissolve sulfur in the production of sour gas wells, in sour-gas pipelines, and in refinery and chemical plant flowlines. Liquid; mp = -85°; bp = 109.8°; d^{20} = 1.0625; λ_m = 256 nm (ε = 347, MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O. *Elf Atochem N. Am.*

2449 Methyl eicosenate

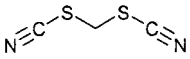
1120-28-1 G



$C_{21}H_{42}O_2$
Eicosanoic acid, methyl ester.
AI3-36455; EINECS 214-304-8; Kemester® 2050; Methyl aracidate; Methyl icosanoate. Intermediate in production of alkanolamides, in metalworking lubricants, as specialized solvents; foam depressant and nutrient in fermentation. Leaflets; mp = 54.5°; bp_{10} = 215°; very soluble in C_6H_6, Et_2O, EtOH, $CHCl_3$. *CK Witco Corp.*

2450 Methylene bis(thiocyanate)

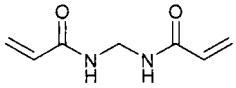
6317-18-6 GP



$C_3H_2N_2S_2$
Thiocyanic acid, methylene ester.
3-03-00-00288 (Beilstein Handbook Reference); Amerstat® 282; Antiblu 3737; BRN 1743370; Busan 110; Caswell No. 565; CCRIS 636; CP 17879; Cytox; Dithiocyanatomethane; EINECS 228-652-3; EPA Pesticide Chemical Code 068102; HSDB 4497; Methane, dithiocyanato-; Methylendirhodanid; Methylendithio-kyanat; Methylene bis(thiocyanate); Methylene dithio-cyanate; Methylene thiocyanate; Methylenedirhodanid; Methylenedirhodanide; N-948® Biocide; Nalco D-1994; Nalfloc N 206; NSC 40464; Proxel MB; Slimicide MC; Tolcide MBTV 709. Antimicrobial in industrial water systems; preservative in water-containing systems. Industrial biocide controlling algae, bacteria, yeast and fungi. Biocide and slimicide for use in water treatment, paper, antifoulant paint, leather, timber preservation. Registered by EPA as an antimicrobial and slimicide. Used as a slimicide. Crystals; mp = 104-106°; reacts with H_2O, soluble in organic solvents; LD_{50} (rat orl) = 161 mg/kg. *Akzo Chemie; Albright & Wilson Americas Inc.; Drew Industrial Div.*

2451 Methylene bisacrylamide

110-26-9 G



$C_7H_{10}N_2O_2$
N,N'-Methylenebis(2-propenamide).
4-02-00-01472 (Beilstein Handbook Reference); Acrylamide, N,N'-*methylenebis*-; AI3-08643; BRN 1706297; CCRIS 4672; EINECS 203-750-9; MBA; Methylenebisacrylamide; Methylenediacrylamide; N,N'-Methylidenebisacrylamide; N,N'-Methylenebis(2-propen-amide); N,N'-Methylenediacrylamide; NAPP; NSC 406836; 2-Propenamide, N,N'-methylenebis-. Cross-linking agent for preparation of polyacrylamides. N,N-Methylene-bis-acrylamide is an acrylimide compound cross-reacting with unidentified primary sensitizers in NAPP and Nyloprint UV-cured printing plates. Used as an organic intermediate and crosslinking agent. Crystals; mp > 300°; d = 1.235; soluble in H_2O (0.1 - 1.0 mg/ml), more soluble in organic solvents; LD_{50} (rat orl) = 390 mg/kg. *Am. Cyanamid; Bio-Rad Labs.; Fluka; Lancaster Synthesis Co.*

2452 Methylene chloride

75-09-2 6088 GH

CH_2Cl_2
Dichloromethane.
4-01-00-00035 (Beilstein Handbook Reference); Aerothene MM; AI3-01773; BRN 1730800; Caswell No. 568; CCRIS 392; Chlorure de methylene; DCM; Dichloromethane; EINECS 200-838-9; EPA Pesticide Chemical Code 042004; F 30; F 30 (chlorocarbon); Freon 30; HCC 30; HSDB 66; Khladon 30; Metaclen; Methane dichloride; Methane, dichloro-; Methylene bichloride; Methylene chloride; Methylene dichloride; Methylenum chloratum; Metylenu chlorek; Narkotil; NCI-C50102; NSC 406122; R 30; R30 (refrigerant); RCRA waste number U080; Salesthin; Solaesthin; Soleana VDA; Solmethine; UN 1593. Registered by EPA as an insecticide (cancelled). Used as a solvent, propellant, degreaser and cleaner, insecticide, vapor pressure depressant and carrier solvent. Colorless liquid; mp = -95.1°; bp = 40°; d^0_4 = 1.36174, d^{15}_4= 1.33479, d^{20}_4= 1.3266, d^{30}_4= 1.30777; LD_{50} (rat orl) = 1.6 ml/kg (2.11 mg/kg). *Ashland; Dow Chem. U.S.A.; Elf Atochem N. Am.; Farleyway Chem. Ltd.; ICI Spec.; Mallinckrodt Inc.; Mitsui Toatsu; OxyChem.*

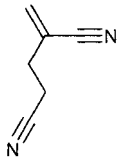
2453 Methylene dibromide

74-95-3 6086 H

CH_2Br_2
Methane, dibromo-.
4-01-00-00078 (Beilstein Handbook Reference); AI3-52311; BRN 0969143; CCRIS 939; Dibromomethane; EINECS 200-824-2; HSDB 1334; Methane, dibromo-; Methylene bromide; Methylene dibromide; NSC 7293; RCRA waste number U068; UN2664. Used in the production of leaded gasoline, as a fumigant for stored products and as a nematocide. Also used in the manufacture of fire retardent chemicals. Dense, mobile liquid; mp = -52.5°; bp = 97°; d^{20} = 2.4969; soluble in organic solvents, slightly soluble in H_2O.

2454 Methylene glutaronitrile

1572-52-7 H



$C_6H_6N_2$
2-Methylenepentanedinitrile.
EINECS 216-391-8; Glutaronitrile, 2-methylene-; Methylene glutaronitrile; 2-Methyleneglutaronitrile; 2-Methylenepentanedinitrile.

2455 Methylene iodide

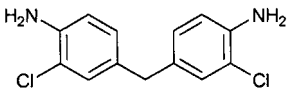
75-11-6 6091 G

CH_2I_2
Diiodomethane.

Diiodomethane; Dijodmethan; EINECS 200-841-5; Methane, diiodo-; Methylene diiodide; Methylene iodide; Methylenjodid; MI-Gee; NSC 35804. Used to separate mixtures of minerals, in determination of specific gravity and in the manufacture of x-ray contrast materials. Liquid; mp = 6.1°; bp = 182°; d^{20} = 3.3212; soluble in H_2O (14 g/l), more soluble in organic solvents. *Sigma-Aldrich Fine Chem.; U.S. BioChem.*

2456 Methylenebis(chloroaniline)

101-14-4 6084 H



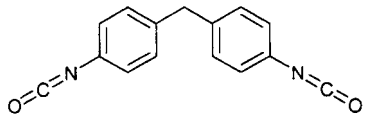
$C_{13}H_{12}Cl_2N_2$

Benzenamine, 4,4'-methylenebis[2-chloro-.

1-13-00-00074 (Beilstein Handbook Reference); Aniline, 4,4'-methylenebis(2-chloro-; Benzenamine, 4,4'-methyl-enebis(2-chloro-; Bis amine; Bis-amine A; Bis(3-chloro-4-aminophenyl)methane; Bis(4-amino-3-chlorophenyl)-methane; Bisamine; Bisamine S; BRN 1882318; CCRIS 389; CL-Mda; Cuamine M; Cuamine MT; Curalin M; Curene 442; Cyanaset; Dacpm; Di-(4-amino-3-clorofenil)metano; Di(-4-amino-3-chlorophenyl)methane; Diamet Kh; EINECS 202-918-9; HSDB 2629; LD 813; MBOCA; Methylene 4,4'-bis(o-chloroaniline); Methyl-enebis(2-chloroaniline); Methylenebis(3-chloro-4-amino-benzene); Methylenebis(chloroaniline); Millionate M; MOCA (curing agent); NSC 52954; Quodorole; RCRA waste number U158. Solid; λ_m = 247, 298 nm (MeOH); soluble in CCl_4.

2457 Methylenediphenyl diisocyanate

26447-40-5 H



$C_{15}H_{10}N_2O_2$

Isocyanic acid, methylenediphenylene ester.

Benzene, 1,1'-methylenebis(isocyanato-; Crude MDI; 4,4'-,2,4'-,2,2'-Diisocyanatodiphenylmethane; EINECS 247-714-0; Generic MDI; Isocyanic acid, methyl-enediphenylene ester; Methylenediphenyl diisocyanate; Non-isomeric-specific MDI; PMDI; Polymeric 4,4-methylenediphenyl diisocyanate; Polymeric MDI.

2458 Methyl esters of fatty acids (C_6-C_{12})

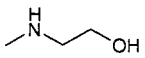
67762-39-4 H

(C_6-C_{12}) Alkylcarboxylic acid methyl ester.

(C_6-C_{12}) Alkylcarboxylic acid methyl ester; Caswell No. 568C; EINECS 267-017-5; EPA Pesticide Chemical Code 079034; Fatty acids, C_{6-12}, Me esters; Fatty acids, methyl esters; Methyl esters of fatty acids (C_8-C_{12}); Methyl octanoate and methyl decanoate; Octanoic acid, methyl ester mixed with methyl decanoate; Off-Shoot O.

2459 Methylethanolamine

109-83-1 6045 H



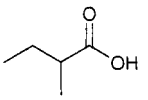
C_3H_9NO

2-(N-Methylamino)ethanol.

4-04-00-01422 (Beilstein Handbook Reference); Amietol M 11; BRN 1071196; Caswell No. 489A; CCRIS 4845; EINECS 203-710-0; EPA Pesticide Chemical Code 489200; HSDB 1128; Methyl(β-hydroxyethyl)amine; Methyl(2-hydroxyethyl)amine; Methylethanolamine; N-Monomethylaminoethanol; NSC 62776; USAF DO-50. Liquid; bp = 158°; d^{20} = 0.937; freely soluble in H_2O, EtOH, Et_2O.

2460 Methylethylacetic acid

116-53-0 H



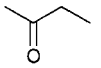
$C_5H_{10}O_2$

2-Methylbutyric acid.

4-02-00-00889 (Beilstein Handbook Reference); Active valeric acid; AI3-24202; BRN 1098537; Butanoic acid, 2-methyl-; Butyric acid, 2-methyl-; EINECS 204-145-2; EINECS 209-982-7; Ethylmethylacetic acid; FEMA No. 2695; (1)-2-Methylbutyric acid; α-Methylbutyric acid; 2-Methybutyric acid; 2-Methylbutanoic acid; Methylethyl-acetic acid; NSC 7304; Valeric acid, active.

2461 Methyl ethyl ketone

78-93-3 6097 G H



C_4H_8O

n-Butan-2-one.

Äthylmethylketon; Acetone, methyl-; Aethylmethylketon; AI3-07540; Butan-2-one; Butanone; Butanone 2; Caswell No. 569; CCRIS 2051; EINECS 201-159-0; EPA Pesticide Chemical Code 044103; Ethyl methyl cetone; Ethyl methyl ketone; Ethylmethylcetone; Ethylmethylketon; FEMA No. 2170; HSDB 99; Ketone, ethyl methyl; Meetco; MEK; Methyl acetone; Methyl ethyl ketone; Metiletilcetona; Metiletilchetone; Metyl ethyl ketone; Metyloetyloketon; Oxobutane; RCRA waste number U159; UN1193. Solvent and chemical intermediate. Solvent in nitrocellulose coatings and vinyl films, paint removers, cements, adhesives, organic synthesis; manufacture of smokeless powder, cleaning fluids, priming, catalyst carrier, acrylic coatings, in paint and lacquer thinners, natural and synthetic resins, gums and rubbers, printing inks, PVC cloth manufacture, cleaning agent for metal surfaces, adhesives and cements; refining and dewaxing of mineral and lubricating oils. Liquid; mp = -86.6°; bp = 79.5°; d^{20} = 0.8054; soluble in H_2O (27 g/100 ml), organic solvents; LD_{50} (rat orl) ■ 5.5 g/kg. *BP Chem.; Elf Atochem N. Am.; Exxon; Fluka; Hoechst Celanese; Mallinckrodt Inc.; Sasolchem; Shell UK; Texaco; Union Carbide Corp.*

2462 Methyl ethyl ketone peroxide

1338-23-4 G H

$C_8H_{18}O_6$

MEK peroxide.

2-Butanone, peroxide; Butanox LPT; Butanox M 105; Butanox M 50; CCRIS 6216; Chaloxyd MEKP HA 1; EINECS 215-661-2; Esperfoam FR; Ethyl methyl ketone peroxide; FR 222; HI-Point 90; HI-Point 180; HI-Point PD-1; HSDB 4181; Kayamek A; Kayamek M; Ketonox; Lucidol DDM 9; Lucidol delta X; Lupersol DDA 30; Lupersol DDM; Lupersol DEL; Lupersol delta X; Lupersol DNF; Lupersol DSW; MEK peroxide; MEKP; MEKPO; Mepox; Methy ethyl ketone peroxide; Methyl ethyl ketone hydroperoxide; NCI-C55447; Permek G; Permek N; Quickset Extra; Quickset super; RCRA waste number U160; Sprayset MEKP; Superox 46-710; Thermacure; Trigonox M 50. Initiator and catalyst for cure of unsaturated polyester resins. Liquid; bp = 110°; insoluble in H_2O (<0.5 g/100 ml). *Akzo Chemie; CK Witco*

Corp.; Elf Atochem N. Am.; Norac.

2463 Methyl ethyl sulfide

624-89-5 G

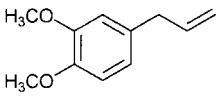
C_3H_8S

Methylthioethane.

AI3-18786; EINECS 210-868-4; Ethane, (methylthio)-; Ethyl methyl sulfide; Ethyl methyl sulphide; Methyl ethyl sulphide. Unpleasant stench oder. Used as a leak detecting additive to natural gas. Liquid; mp = -105.9°; bp = 66.7°; d^{20} ■ 0.8422; λ_m = 214 nm (ε = 977 isooctane); insoluble in H_2O, soluble in Et_2O, $CHCl_3$, freely soluble in EtOH.

2464 Methyl eugenol

93-15-2 G



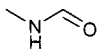
$C_{11}H_{14}O_2$

4-allyl-1,2-dimethyoxybenzene.

4-06-00-06337 (Beilstein Handbook Reference); 1-Allyl-3,4-dimethoxybenzene; 4-Allyl-1,2-dimethoxybenzene; 4-Allylveratrole; AI3-21040; Benzene, 1,2-dimethoxy-4-(2-propenyl)-; Benzene, 4-allyl-1,2-dimethoxy-; BRN 1910871; Caswell No. 579AB; CCRIS 746; 1,2-Dimethoxy-4-allylbenzene; 1-(3,4-Dimethoxyphenyl)-2-propene; 1,2-Dimethoxy-4-(2-propenyl)benzene; 3,4-Dimethoxyallylbenzene; EINECS 202-223-0; ENT 21040; EPA Pesticide Chemical Code 203900; 1,3,4-Eugenol methyl ether; Eugenyl methyl ether; FEMA Number 2475; HSDB 4504; Methyl eugenol; Methyl eugenol ether; Methyl eugenyl ether; Methyleugenol; NSC 209528; O-Methyl eugenol; Veratrole methyl ether. Insect attractant, flavoring. Oil; mp = -2°; bp = 254.7°; d^{20} = 1.0396; λ_m = 230, 280 nm (MeOH); insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 1179 mg/kg. *Firmenich; Lancaster Synthesis Co.; Penta Mfg.*

2465 Methyl formamide

123-39-7 6100 H



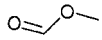
C_2H_5NO

N-Methyl formamide.

4-04-00-00170 (Beilstein Handbook Reference); AI3-26076; BRN 1098352; EINECS 204-624-6; EK 7011; Formamide, N-methyl-; Formic acid amide, N-methyl-; HSDB 100; Methylformamide; Monomethylformamide; N-Methyl formamide; NSC 3051; X 188. Liquid; mp = -3.8°; bp = 199.5°; d^{19} = 1.011; very soluble in H_2O, Me_2CO, EtOH.

2466 Methyl formate

107-31-3 6101 H



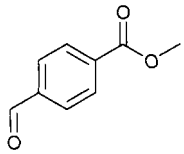
$C_2H_4O_2$

Formic acid, methyl ester.

AI3-00408; Caswell No. 570; CCRIS 6062; EINECS 203-481-7; EPA Pesticide Chemical Code 053701; Formiate de methyle; Formic acid, methyl ester; HSDB 232; Methyl formate; Methyl methanoate; Methyle (formiate de); Methylester kyseliny mravenci; Methylformiaat; Methylformiat; Metil (formiato di); Mravencan methylnaty; UN1243. Liquid; mp = -99°; bp = 31.7°; d^{20} = 0.9742; λ_m = 207 nm (ε = 63, H_2O); freely soluble in EtOH, very soluble in H_2O, soluble in Et_2O, $CHCl_3$, MeOH.

2467 Methyl p-formylbenzoate

1571-08-0 H



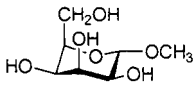
$C_9H_8O_3$

Methyl benzaldehyde-4-carboxylate.

Benzoic acid, 4-formyl-, methyl ester; p-Carbomethoxybenzaldehyde; CCRIS 6063; EINECS 216-385-5; p-Formylbenzoic acid methyl ester; HSDB 5842; Methyl 4-formylbenzoate; Methyl p-formylbenzoate; Methyl benzaldehyde-4-carboxylate; Methyl terephth-aldehydate; NSC 28459; Terephthalaldehydic acid, methyl ester.

2468 Methyl D-glucopyranoside

3149-68-6 H



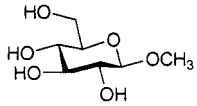
$C_7H_{14}O_6$

1-O-Methyl-D-glucopyranose.

EINECS 221-581-9; GEO-MEG 365; Glucopyranoside, methyl, D-; D-Glucopyranoside, methyl; Glucosidizer 100; Methyl D-glucopyranoside; Methyl glucoside; Sta-Meg 104; Sta-Meg 106; Sta-Meg 200.

2469 Methyl-α-D-glucopyranoside

97-30-3 6104 H



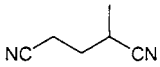
$C_7H_{14}O_6$

α-D-Glucopyranoside, methyl.

AI3-18790; EINECS 202-571-3; Glucopyranoside, methyl, α-D-; Methyl α-D-glucopyranoside; Methyl α-D-glucoside; NSC 102101. Needles; mp = 168°; $bp_{0.2}$ = 200°; d^{30} = 1.46; $[\alpha]_D^{20}$ = +158.9° (H=72O); Very soluble in H_2O.

2470 Methyl glutaronitrile

4553-62-2 H



$C_6H_8N_2$

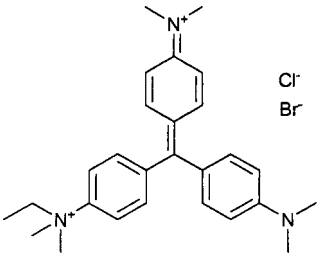
2-Methyl-1,5-valerodinitrile.

4-02-00-01990 (Beilstein Handbook Reference); BRN 1741955; CCRIS 4673; Diacrylonitrile; 1,3-Dicyan-obutane; 2,4-Dicyanobutane; EINECS 224-923-5; Glutanonitrile, α-methyl-;

Glutaronitrile, 2-methyl-; HSDB 6502; Methyl glutaronitrile; 2-Methylglutaronitrile; α-Methylglutarsäuredinitril; 2-Methylpentanedinitrile; 2-Methyl-1,5-valerodinitrile; Pentanedinitrile, 2-methyl-; 1,5-Valerodinitrile, 2-methyl-.

2471 Methyl green

14855-76-6 6106 G



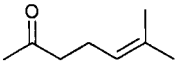
$C_{27}H_{35}BrClN_3$

4-[[4-(Dimethylamino)phenyl][4-(dimethylimino)-2,5-cyclohexadien-1-ylidene]methyl]-N-ethyl-N,N-dimethyl-benzeneaminium bromide chloride.

Ammonium, (α-(p-(dimethylamino)phenyl)-α-(4-(di-meth-ylimino)-2,5-cyclohexadien-1-ylidene)-p-tolyl)-ethyldi-methyl-, bromide, chloride; Benzenaminium, 4-((4-(dimethylamino)phenyl)(4-(dimethyliminio)-2,5-cyclo-hexadien-1-ylidene)methyl)-N-ethyl-N,N-dimethyl-, bromide chloride; C.I. 42590; (α-(p-(Dimethylamino)-phenyl)-alpha-(4-(methylimino)-2,5-cyclohexadien-1-ylid-ene)-p-tolyl)ethyldimethylammonium bromide metho-chloride; 4-((4-(Dimethylamino)phenyl)(4-(dimethyl-imino)cyclohexa-2,5-dien-1-ylidene)methyl)-N-ethyl-N,N-dimethylanilinium bromide chloride; EINECS 238-920-1; Ethyl green; Iodin green (Griesbach); NSC 3091. Green powder, soluble in H_2O. Used as a biological stain and in dyeing and printing of textiles. Green powder; soluble in H_2O.

2472 Methylheptenone

409-02-9 H



$C_8H_{14}O$

2-Methylhept-2-en-6-one.

EINECS 206-990-2; Heptenone, methyl-; HSDB 5565; Methylheptenone.

2473 Methyl hydrogenated rosinate

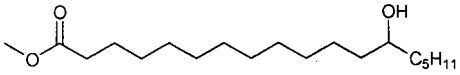
8050-15-5 H

Methyl hydrogenated rosinate.

EINECS 232-476-2; Hercolyn D; Hercolyn D 55W; Hercolyn D-E; Hercolyn H; Hydrogenated resin acid Me esters; Hydrogral M; Methyl ester of hydrogenated rosin; Methyl ester of rosin, partially hydrogenated; Methyl hydrogenated rosinate; Resin acids and Rosin acids, hydrogenated, Me esters; Rosin, hydrogenated, methyl ester. *Hercules Inc.*

2474 Methyl hydroxystearate

141-23-1 H



$C_{19}H_{38}O_3$

Methyl 12-hydroxyoctadecanoate.

AI3-19731; Cenwax ME; EINECS 205-471-8; HSDB 5635; Kemester 1288; Methyl 12-hydroxyoctadecanoate; Methyl-12-hydroxystearate; Methyl hydroxystearate; NSC 2392.

2475 Methyl iodide

74-88-4 6110 G

CH_3I

Iodomethane.

CCRIS 395; EINECS 200-819-5; Halon 10001; HSDB 1336; Iodometano; Iodomethane; Iodure de methyle; Jod-methan; Joodmethaan; Methane, iodo-; Methyl iodide; Methyl iodide; Methyliodide; Methyljodid; Methyljodide; Metylu jodek; Monoiodomethane; Monoioduro di metile; NSC 9366; RCRA waste number U138; UN2644. Used in organic synthesis, microscopy, testing for pyridine. Colorless liquid; mp = -66.4°; bp = 42.5°; d^{20} = 2.279; insoluble in H_2O ,soluble in organic solvents; LC_{50} (rat orl) = 1300 mg/l/4H. *Akzo Chemie; Andeno; Burlington Scientific Corp.; Fairmount; Greeff R.W. & Co.*

2476 2-Methyl imidazole

693-98-1 G

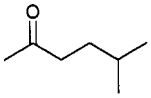
$C_4H_6N_2$

2-Methyl-1H-imidazole.

2MZ; AI3-50033; CCRIS 2459; EINECS 211-765-7; Imidazole, 2-methyl-; 1H-Imidazole, 2-methyl-; 2-Methylimidazole; NSC 21394. Dyeing auxiliary for acrylic fibers, plastic foams. Crystals; mp = 144°; bp = 267°; very soluble in H_2O, EtOH; LD_{50} (mus orl) = 1400 mg/kg. *Allchem Ind.; BASF Corp.; Janssen Chimica.*

2477 Methyl isoamyl ketone

110-12-3 H



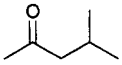
$C_7H_{14}O$

5-Methyl-2-hexanone.

4-01-00-03329 (Beilstein Handbook Reference); BRN 0506163; EINECS 203-737-8; 2-Hexanone, 5-methyl-; HSDB 2885; Isoamyl methyl ketone; Isopentyl methyl ketone; Ketone, methyl isoamyl; 2-Methyl-5-hexanone; 5-Methyl-2-hexanone; 5-Methylhexan-2-one; Methyl isoamyl ketone; Methyl isopentyl ketone; MIAK; UN2302. Liquid; bp = 144°; d^{20} = 0.888; λ_m = 176, 188, 192, 196 nm (gas); slightly soluble in H_2O, soluble in CCl_4, very soluble in Me_2CO, C_6H_6, freely soluble in EtOH, Et_2O.

2478 Methyl isobutyl ketone

108-10-1 5227 H P



$C_6H_{12}O$

Methyl-2-pentanone.

4-01-00-03305 (Beilstein Handbook Reference); AI3-01229; BRN 0605399; Caswell No. 574AA; CCRIS 2052; EINECS 203-550-1; EPA Pesticide Chemical Code 044105; FEMA Number 2731; Hexanone; Hexon; Hexone; HSDB 148; isobutyl methyl ketone; Isobutyl-methylketon; Isohexanone; Isopropyl acetone; Ketone, isobutyl methyl; Methyl-2-pentanone; Methyl-isobutyl-cetone; Methyl isobutyl ketone [Flammable liquid]; Methylisobutylketon; 4-Methyl-2-pentanone; 4-Metil-pentan-2-one; Metilisobutilchetone; Metyloizobutylo-keton; MIBK; MIK; NSC 5712; 2-Pentanone, 4-methyl-; RCRA waste number U161; Shell MIBK; UN1245. Registered by EPA (cancelled). Colorless liquid; bp = 117 - 118°; d^{20}_4 = 0.801; soluble in H_2O (1.91 g/100 ml), soluble in EtOH, C_6H_6, Et_2O; LD_{50} (rat orl) = 2080mg/kg. *Fluka.*

2479 Methyl isocyanate

624-83-9 6112 H

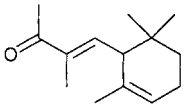
C_3H_3NO

isocyanic acid, methyl ester.

4-04-00-00247 (Beilstein Handbook Reference); AI3-28280; BRN 0605318; CCRIS 1385; EINECS 210-866-3; HSDB 1165; Isocyanatomethane; Isocyanate de methyle; Isocyanate, methyl-; Isocyanic acid, methyl ester; Methane, isocyanato-; Methyl carbonimide; Methyl isocyanat; Methyl isocyanate; Methyl isocyanide; Methylcarbylamine; Methylisocyanaat; Methylisokyanat; Metil isocianato; NSC 64323; RCRA waste number P064; TL 1450; UN 2480. Liquid; mp = -45°; bp = 39.5°; d^{27} = 0.9230; very soluble in H_2O.

2480 Methyl-α-isoionone

127-51-5 H



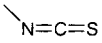
$C_{14}H_{22}O$

3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one.

AI3-36074; 3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-; Cetone α; α-Cetone; EINECS 204-846-3; FEMA No. 2714; α-Ionone, isomethyl-; Isomethyl-α-ionone; Isomethylionone, α-; Methyl-α-isoionone; 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one; NSC 66432; 4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one.

2481 Methyl isothiocyanate

556-61-6 6114 G H P



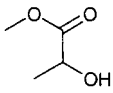
C_2H_3NS

Isothiocyanatomethane.

AI3-28257; Biomet 33; Caswell No. 573; EINECS 209-132-5; EPA Pesticide Chemical Code 068103; HSDB 6396; Isothiocyanate de methyle; Isothiocyanatomethane; Isothiocyanic acid, methyl ester; Isotiocianato de metilo; Isotiocianato di metile; MeNCS; Methane, isothiocyanato-; Methyl-isothiocyanat; Methyl isothiocyanate; Methyl mustard; Methyl mustard oil; Methylisothiocyanaat; Methylisothiocyanaat; Methylisothiocyanat; Methyliso-thiokyanat; Methylsenföl; Methylsenfoel; Metile iso-tiocianato; MIT; Mitc; Morton EP-161E; Trapex; Trapex-40; Trapexide; UN2477; Vorlex (Nor-Am); Vorlex 201 (Nor-Am); Vortex; WN 12. Used as a soil fumigant for control of nematodes, fungi, insects and weed seeds. Registered by EPA as a fungicide, herbicide and insecticide. Used as a fungicide and nematicide. Colorless crystals; mp = 35 - 36°; bp = 118 - 119°; soluble in H_2O (0.82 g/100 ml), freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 220 mg/kg, (mus orl) = 110 mg/kg, (mrat orl) = 175 mg/kg, (mmus orl) = 90 mg/kg, (rat der) = 2780 mg/kg, (rbt der) = 263 mg/kg, (mmus der) = 1870 mg/kg, (mallard duck orl) = 136 mg/kg; LC_{50} (rat ihl 1 hr.) = 1.9 mg/l air, (mallard duck 5 day dietary) = 10936 mg/kg diet, (pheasant 5 day dietary) > 5000 mg/kg diet, (bluegill sunfish 96 hr.) = 0.13 mg/l, (rainbow trout 96 hr.) = 0.37 mg/l, (mirror carp 96 hr.) = 0.37 - 0.57 mg/l; non-toxic to bees. *AgrEvo; Aventis Crop Science; MLPC International; Osmose Inc.*

2482 Methyl lactate

547-64-8 6116 H



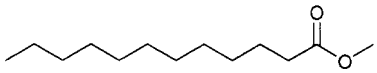
$C_4H_8O_3$

(±)-Methyl 2-hydroxypropanoate.

AI3-00584; DL-Methyl lactate; EINECS 208-930-0; EINECS 218-449-8; HSDB 5687; 2-Hydroxypropanoic acid methyl ester; Lactic acid, methyl ester; Methyl 2-hydroxypropanoate; Methyl α-hydroxypropionate; (±)-Methyl 2-hydroxypropanoate; Methyl lactate; (±)-Methyl lactate; NSC 406248; Propanoic acid, 2-hydroxy-, methyl ester. Colorless liquid; bp = 144-145°; d^{19} = 1.09; soluble in EtOH, Et_2O.

2483 Methyl laurate

111-82-0 G H



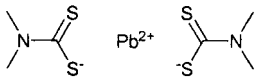
$C_{13}H_{26}O_2$

Methyl n-dodecanoate.

4-02-00-01090 (Beilstein Handbook Reference); AI3-00669; BRN 1767780; Dodecanoic acid, methyl ester; EINECS 203-911-3; FEMA number 2715; HSDB 5550; Lauric acid, methyl ester; Metholene 2296; Methyl dodecanoate; Methyl dodecylate; Methyl laurate; Methyl laurinate; Methyl n-dodecanoate; NSC 5027; Stepan C40; Uniphat A40. Used as an intermediate in the manufacture of detergents, emulsifiers, wetting agent, stabilizers, lubricants, plasticizers, textiles, flavoring. Liquid; mp = 5.2°; bp = 267°; d^{20} = 0.8702; insoluble in H_2O, soluble in MeOH, $CHCl_3$, CCl_4, EtOAc, freely soluble in EtOH, Et_2O, Me_2CO,C_6H_6. *Henkel/Emery; Procter & Gamble Co.; Stepan.*

2484 Methyl ledate

19010-66-3 G



$C_6H_{12}N_2PbS_4$

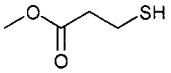
Lead dimethyldithiocarbamate.

Bis(dimethylcarbamodithioato-S,S')lead; Bis(dimethyldithiocarbamato)lead; Carbamic acid, dimethyldithio-, lead salt; CCRIS 359; EINECS 242-748-2; HSDB 2886; Lead bis(dimethyldithiocarbamate); Lead, bis(dimethyldithio-carbamato)-; Lead dimethyl dithiocarb-amate; Ledate®; Methyl ledate; NCI-C02891. Ultra accelerator used with NR, SBR, IIR, IR, and BR

rubbers; used for ultra acceleration, high speed, high temperature vulcanization. Recommended for improved dynamic properties in natural and polyisoprene rubbers. Solid; mp = 310°; d ■ 3.43; insoluble in H_2O, soluble in organic solvents. *Vanderbilt R.T. Co. Inc.*

2485 Methyl 3-mercaptopropionate

2935-90-2 H



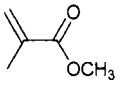
$C_4H_8O_2S$

Propionic acid, 3-mercapto-, methyl ester.

EINECS 220-912-4; HSDB 5905; 3-Mercaptopropionic acid methyl ester; Methyl mercaptopropionate; Methyl 3-mercaptopropionate; NSC 137814; Propanoic acid, 3-mercapto-, methyl ester. Liquid; bp_{14} = 54-55°; d^{25} = 1.085.

2486 Methyl methacrylate

80-62-6 5967 G H



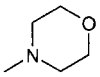
$C_5H_8O_2$

Methyl 2-methylpropenoate.

4-02-00-01519 (Beilstein Handbook Reference); Acryester M; Acrylic acid, 2-methyl-, methyl ester; AI3-24946; BRN 0605459; CCRIS 1364; Diakon; EINECS 201-297-1; HSDB 195; Metakrylan metylu; Methacrylate de methyle; Methacrylic acid, methyl ester; Methacrylsaeuremethyl ester; Methacrylsäuremethyl ester; Methyl 2-methyl-2-propenoate; Methyl 2-methylpropenoate; Methyl-methacrylat; Methyl methacrylate; Methyl methacrylate monomer; Methyl methylacrylate; Methylester kyseliny methakrylove; Methylmethacrylaat; Methylmethacrylate; Metil met-acrilato; MMA; Monocite Methacrylate monomer; NCI-C50680; NSC 4769; Pegalan; RCRA waste number U162; TEB 3K; UN1247. Monomer for polymethacrylate resins, impregnation of concrete. Oil; mp = -48°; bp = 100.5°; d^{20} = 0.9440; soluble in EtOH, Me_2CO, Et_2O, $CHCl_3$, ethylene glycol, slightly soluble in H_2O; TLV = 100 ppm. *Allchem Ind.; Degussa AG; Mitsubishi Gas; Rohm & Haas Co.; Sigma-Aldrich Fine Chem.; Transol Chem. UK Ltd.*

2487 p-Methyl morpholine

109-02-4 G



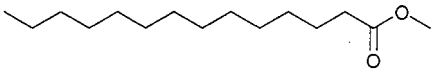
$C_5H_{11}NO$

4-Methyl morpholine.

AI3-24289; CCRIS 6691; EINECS 203-640-0; Methylmorpholine; Morpholine, 4-methyl-; Morpholine, N-methyl-; 4-Methylmorfolin; 1-Methylmorpholine; 4-Methylmorpholine; N-Methylmorpholine; NSC 9382; Texacat® NMM; UN2535. Catalyst for polyester urethane flexible foam, high rise rigid foam panels, extraction solvent; stabilizer for chlorinated hydrocarbons; self-polishing waxes; corrosion inhibitor; pharmaceuticals. Oil; mp = -65°; bp = 116°; d^{20} = 0.9051; soluble in H_2O, EtOH, Et_2O; LD_{50} (rat orl) = 1960 mg/kg. *Texaco.*

2488 Methyl myristate

124-10-7 G H



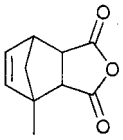
$C_{15}H_{30}O_2$

Methyl n-tetradecanoate.

AI3-01980; EINECS 204-680-1; Emery® 2214; FEMA No. 2722; HSDB 5602; Metholeneat 2495; Methyl myristate; Methyl tetradecanoate; Methyl n-tetradecanoate; Myristic acid, methyl ester; NSC 5029; Tetradecanoic acid, methyl ester; Uniphat A50. Intermediate for myristic acid detergents; emulsifiers, wetting agents, stabilizers, resins, lubricants, plasticizers, textiles, animal feeds; standard for gas chromatography; flavoring. Used as a solvent for pesticides and herbicides. Liquid; mp = 19°; bp = 295°, bp_7 = 155°; d^{20} = 0.8671; λ_m = 212 nm (ε = 71, C_7H_{16}); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, $CHCl_3$, MeOH, EtOAc. *Henkel/Emery; Stepan.*

2489 Methyl nadic anhydride

25134-21-8 H



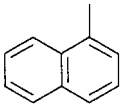
$C_{10}H_{10}O_3$

Methylnorbornene-2,3-dicarboxylic anhydride.

5-17-11-00199 (Beilstein Handbook Reference); 5-Norbornene-2,3-dicarboxylic anhydride, methyl-; BRN 0162395; EINECS 246-644-8; Epicure NMA; Hardener HY906; HSDB 6093; Kayahard MCD; MEA 610; 4,7-Methanoisobenzofuran-1,3-dione, 3a,4,7,7a-tetrahydro-methyl-,; Methendic anhydride; Methyl-5-norbornene-2,3-dicarboxylic anhydride; Methyl nadic anhydride; Methylbicyclo(2.2.1)heptene-2,3-dicarboxylic anhydride isomers; Methylendic anhydride; Methylnorbornene-2,3-dicarboxylic anhydride; Nadic methyl anhydride; NMA; TK 10 524; XMNA.

2490 Methylnaphthalene

1321-94-4 H P



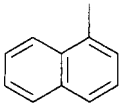
$C_{11}H_{10}$

Methylnaphthalenes.

CCRIS 7916; EINECS 215-329-7; HSDB 1143; Methyl naphthalene; Methyl naphthalene (molten); Methylated naphthalenes; Methylnaftalen; Methylnaphthalene; 2-Methylnaphthalene; Methylnaphthalenes, liquid; Methyl-naphthalenes, solid; Methylnapthalene; Naphthalene, methyl-. Mixture of α- and β-isomers. Has been used as an insecticide. Mixture of isomers of methylnaphthalene.

2491 1-Methylnaphthalene

90-12-0 G



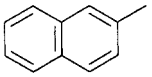
$C_{11}H_{10}$

α-methylnaphthalene.

AI3-15378; CCRIS 6151; EINECS 201-966-8; FEMA No. 3193; HSDB 5268; α-Methylnaphthalene; 1-Methyl-naphthalene; Naphthalene, α-methyl-; Naphthalene, 1-methyl-; NSC 3574. Carrier for polyester/wool blended fabrics. Liquid; mp = -30.4°; bp = 244.7°; d^{20} = 1.0202; insoluble in H_2O, insoluble in H_2O, very soluble in EtOH, Et_2O, less soluble in C_6H_6; LD_{50} (rat orl) = 1840 mg/kg. *Allchem Ind.; Crowley Tar Prods.*

2492 β-Methylnaphthalene

91-57-6 G



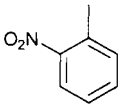
$C_{11}H_{10}$

2-Methylnaphthalene.

AI3-17554; EINECS 202-078-3; HSDB 5274; β-Methylnaphthalene; 2-Methylnaphthalene; Naphthalene, β-methyl-; Naphthalene, 2-methyl-; NSC 3575. Solvent; has been used as an insecticide. Solid; mp = 34.4°; bp = 241.1°; d20 = 1.0058; λ_m = 223, 275, 304, 311, 318 nm (ε = 16800, 5370, 495, 314, 515, MeOH); insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl)= 1630 mg/kg. *Allchem Ind.; Crowley Tar Prods.*

2493 1-Methyl-2-nitro-benzene

88-72-2 6684 H



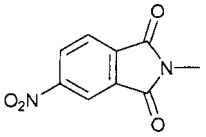
$C_7H_7NO_2$

Benzene, 1-methyl-2-nitro-.

AI3-16311; Benzene, 1-methyl-2-nitro-; CCRIS 1224; EINECS 201-853-3; HSDB 2189; o-Methylnitrobenzene; Nitrotoluene, o-; o-Nitrotoluene; ortho-Nitrotoluol; NSC 9577; ONT; Toluene, o-nitro-; UN1664. Liquid; mp ▪ -10°; bp = 222°; d^{19} = 1.1611; λ_m = 254 nm (ε= 4330, MeOH); insoluble in H_2O, very soluble in EtOH, Et_2O, less soluble in CCl_4.

2494 N-Methyl-4-nitrophthalimide

41663-84-7 H



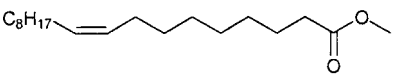
$C_9H_6N_2O_4$

4-Nitro-N-methylphthalimide.

AI3-28673; EINECS 255-483-2; 1H-Isoindole-1,3(2H)-dione, 2-methyl-5-nitro-; N-Methyl-4-nitrophthalimide; 4-Nitro-N-methylphthalimide.

2495 Methyl oleate

112-62-9 G H



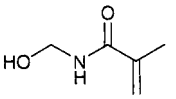
$C_{19}H_{36}O_2$

Methyl (Z)-9-octadecenoate.

ADJ 100; AI3-00651; CCRIS 675; Edenor Me 90/95V; Edenor MeTiO5; EINECS 203-992-5; Emerest 2801; Emery® 2301; Emery oleic acid ester 2301; Esterol 112; Exceparl M-OL; HSDB 5572; Kemester® 104; Methyl (Z)-9-octadecenoate; Methyl 9-octadecenoate; Methyl cis-9-octadecenoate; Methyl oleate; Nissan Unister M 182A; NSC 406282; 9-Octadecenoic acid, methyl ester; 9-Octadecenoic acid (Z)-, methyl ester; 9-Octadecenoic acid (9Z)-, methyl ester; (Z)-9-Octadecenoic acid, methyl ester; Oleic acid, methyl ester; Phytorob 926-67; Priolube 1403; Unister M 182A; Witconol 2301. Emulsifier, emollient for cosmetics; lubricant for leather; carrier for agricultural spray products. Defoamer, lubricant, moisture barrier. Solvent for pesticides and herbicides. Liquid; mp = -19.9°; bp^{20} = 218.5°; d^{20} = 0.8739λ_m = 230 nm (ε ▪ 3162, EtOH); insoluble in H_2O, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O. *CK Witco Corp.; Henkel/Emery.*

2496 Methylolmethacrylamide

923-02-4 H



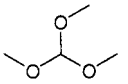
$C_5H_9NO_2$

N-(Hydroxymethyl)-2-methyl-2-propenamide.

4-02-00-01538 (Beilstein Handbook Reference); Acryl-amide, N-(hydroxymethyl)-2-methyl-; BRN 0506510; EINECS 213-086-1; Methylolmethacrylamide; N-(Hydr-oxymethyl)-2-methyl-2-propenamide; N-(Hydroxymeth-yl)-methacrylamide; N-Methylolmethacryl-amide; NSC 2691; 2-Propenamide, N-(hydroxymethyl)-2-methyl-.

2497 Methyl orthoformate

149-73-5 H



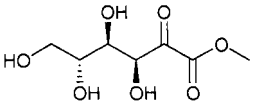
$C_4H_{10}O_3$

Orthoformic acid, trimethyl ester.

4-02-00-00022 (Beilstein Handbook Reference); AI3-23842; BRN 0969215; EINECS 205-745-7; HSDB 1006; Methane, trimethoxy-; Methyl orthoformate; Methylester kyseliny orthomravenci; NSC 147479; Orthoformic acid methyl ester; Orthoformic acid, trimethyl ester; Orthomravencan methylnaty; Trimethoxymethane; Trimethyl orthoformate; Trimethylester kyseliny orthomravenci. Liquid; mp = 15°; bp = 104°, d^{20} = 0.9676; soluble in EtOH, Et_2O.

2498 Methyl 2-oxogluconate

21063-40-1 H



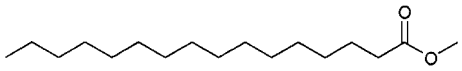
$C_7H_{12}O_7$

D-arabino-Hexulosonic acid, methyl ester.

D-arabino-Hexulosonic acid, methyl ester; D-arabino-2-Hexulosonic acid, methyl ester; EINECS 244-187-9; Methyl 2-keto-D-gluconate; Methyl 2-oxogluconate.

2499 Methyl palmitate

112-39-0 G



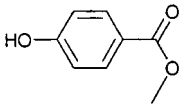
$C_{17}H_{34}O_2$

Methyl hexadecanoate.

AI3-03509; EINECS 203-966-3; Emery® 2216; Hexadecanoic acid, methyl ester; n-Hexadecanoic acid methyl ester; HSDB 5570; Metholene 2216; Methyl hexadecanoate; Methyl n-hexadecanoate; Methyl palmitate; NSC 4197; Palmitic acid, methyl ester; Radia® 7120; Uniphat A60; Emery® 2216; Radia® 7120. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application. Used as a chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application. Solvent for pesticides and herbicides. Solid; mp = 30°; bp = 417°, bp_{30} = 211°, bp_2 = 148°; d20 = 0.8520, d^{75} ■ 0.8247; insoluble in H_2O, soluble in Et_2O, very soluble in EtOH, Me_2CO, C_6H_6, $CHCl_3$. *Fina Chemicals; Henkel/Emery; Penta Mfg.; Stepan.*

2500 Methylparaben

99-76-3 6129 G P



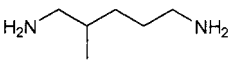
$C_8H_8O_3$

Methyl 4-hydroxybenzoate.

4-10-00-00360 (Beilstein Handbook Reference); Abiol; AI3-01336; Aseptoform; Benzoic acid, 4-hydroxy-, methyl ester; Benzoic acid, p-hydroxy-, methyl ester; BRN 0509801; Caswell No. 573PP; CCRIS 3946; E218; EINECS 202-785-7; EPA Pesticide Chemical Code 061201; FEMA Number 2710; Germaben® II; HSDB 1184; 4-Hydroxybenzoic acid methyl ester; Lexgrad® M; Maseptol; Metaben; Methaben; Methyl butex; Methyl Chemosept®; Methyl p-hydroxybenzoate; Methyl 4-hydroxybenzoate; Methyl p-oxybenzoate; Methyl paraben; Methyl parahydroxybenzoate; Methyl Parasept®; Methyl Parasept® NF/FCC®; Methylben; Methylester kyseliny p-hydroxybenzoove; Methyl-paraben; Methylparaben®; Metoxyde; Moldex; Nipagin; Nipagin®; Nipagin M; Nipagin M®; Nipaguard® BPX; Nipasta; NSC 3827; Paridol; Phenonip; Preserval; Preserval M; Septos; Solbrol; Solbrol M; Solbrol M®; Tegosept M; Tegosept M®; Uniphen P-23; Antimicrobial, antifungal and antibacterial preservative. Used as a preservative in foods, beverages and cosmetics, in parenterals, injectables, inhalants, intravenous, ophthalmics, orals, rectals, topicals, dental anesthetics and insulin preparations. Disinfectant, possibly antibacterial. Registered by EPA (cancelled). Used as a preservative in foods, beverages and cosmetics. White crystals; mp ■ 125-128°; bp = 270-280°; d = 1.352; soluble in H_2O (0.25 g/100 ml at 25°, 2 g/100 ml at 50°, 3.3 g/100 ml at 80°), EtOH (50 g/100 ml), 95% EtOH (33 g/100 ml), 50% EtOH (16.6 g/100 ml), Et_2O (10 g/100 ml), glycerin (1.6 g/100 ml), propylene glycol (5 g/100 ml), peanut oil (0.5 g/100 ml). LD_{50} (mus sc) = 1200 mg/kg, (mus ip) = 960 mg/kg, (dog orl) = 3000 mg/kg. *Aceto; Ashland; Charkit; E. Merck; Greeff R.W. & Co.; Kraft; Napp Labs Ltd; Nipa; Ruger; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Sutton Labs.; Tri-K Ind.*

2501 2-Methylpentanediamine

15520-10-2 G H



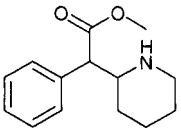
$C_6H_{16}N_2$

2-Methyl-1,5-pentanediamine.

3-04-00-00609 (Beilstein Handbook Reference); BRN 1732701; Dytek® A; EINECS 239-556-6; 2-Methyl-1,5-pentanediamine; 2-Methylpentamethylenediamine; 2-Methylpentane-1,5-diamine; 2-Methylpentanediamine; 1,5-Pentanediamine, 2-methyl-. Epoxy curing agent; also used in polyurethanes, wet strength resins, scale and corrosion inhibitors, motor oil and gasoline additives, polyamide plastics, films, adhesives, and inks. Liquid; mp = -50 - -60°; bp = 193°; d^{25} ■ 0.86; LD_{50} (rat orl) = 1690 mg/kg. *DuPont.*

2502 Methylphenidate

113-45-1 6132 D



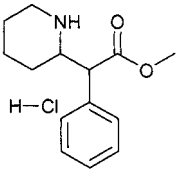
$C_{14}H_{19}NO_2$

Methyl α-phenyl-2-piperidine acetate.

4311/B Ciba; C 4311; Calocain; Centedein; DEA No. 1724; EINECS 204-028-6; HSDB 3126; Meridil; Methyl phenidate; Methyl phenidylacetate; Methylofenidan; Methylphenidan; Methylphenidate; Methylphenidatum; Metilfenidato; NCI-C56280; Phenidylate; Plimasine; Ritalin; Ritaline. Psychomotor stimulant. Used as a CNS stimulant. Liquid; $bp_{0.6}$ = 135-137°; insoluble in H_2O, petroleum ether; soluble in EtOH, EtOAc, Et_2O. *Ciba-Geigy Corp.*

2503 Methylphenidate Hydrochloride

298-59-9 6132 D



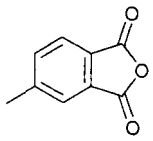
$C_{14}H_{20}ClNO_2$

Methyl α-phenyl-2-piperidine acetate hydrochloride.

CCRIS 6258; Centedrin; Centedrine; EINECS 206-065-3; Meridil hydrochloride; Metadate CD; Methylin; Methylphenidate hydrochloride; Methylphenidylacetate hydrochloride; Metilfenidat hydrochloride; NSC 169868; Ritalin; Ritalin hydrochloride. CNS, psychomotor stimulant. Crystals; mp = 224-226°; soluble in H_2O, EtOH, $CHCl_3$; LD_{50} (mus orl) = 190 mg/kg. *Ciba-Geigy Corp.*

2504 4-Methylphthalic anhydride

19438-61-0 H



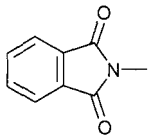
$C_9H_6O_3$

1,3-Isobenzofurandione, 5-methyl-.

EINECS 243-073-6; 1,3-Isobenzofurandione, 5-methyl-; 4-Methylphthalic anhydride; Phthalic anhydride, 4-methyl-.

2505 N-Methylphthalimide

550-44-7 H



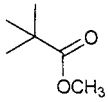
$C_9H_7NO_2$

2-Methyl-1H-isoindole-1,3(2H)-dione.

5-21-10-00273 (Beilstein Handbook Reference); AI3-01393; BRN 0124428; EINECS 208-982-4; 1H-Isoindole-1,3(2H)-dione, 2-methyl-; 2-Methyl-1H-isoindole-1,3(2H)-dione; N-Methylphthalimide; NSC 44059; Phthalimide, N-methyl-. Needles; mp = 134°; bp ▪ 286°; insoluble in H_2O; slightly soluble in EtOH.

2506 Methyl pivalate

598-98-1 H



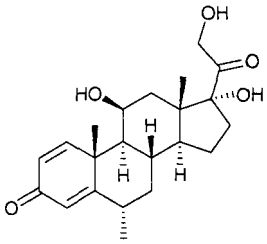
$C_6H_{12}O_2$

Methyl 2,2-dimethylpropionate.

EINECS 209-959-1; Methyl 2,2-dimethylpropionate; Methyl pivalate; Pivalic acid, methyl ester; Propanoic acid, 2,2-dimethyl-, methyl ester. Liquid; bp ▪ 101.1°; d^0 = 0.891; very soluble in EtOH, Et_2O.

2507 Methylprednisolone

83-43-2 6133 D



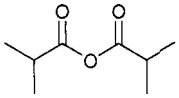
$C_{22}H_{30}O_5$

(6α,11β)-11,17,21-Trihydroxy-6-methylpregna-1,4-diene-3,20-dione.

4-08-00-03498 (Beilstein Handbook Reference); A-Methapred; Artisone-Wyeth; Besonia; BRN 2340300; Depo-Medrol (acetate); Dopomedrol; DRG-0050; EINECS 201-476-4; Esametone; Firmacort; HSDB 3127; Lemod; Medesone; Medixon; Medlone 21; Medrate; Medrol; Medrone; MEPRDL; Mesopren; Metastab; Methylenepredniso lone; Methylprednisolone; Methyl-prednisolonum; Metilbetasone; Metilprednisolona; Metilprednisolone; Metrisone; Metrocort; Metysolon; Moderin; Nirypan; Noretona; NSC-19987; Predni N Tablinen; Prednol- L; Promacortine; Reactenol; Sieropresol; Solomet; Solu-medrol; Summicort; Suprametil; U-67,590A; U 7532; Urbason; Urbasone; Wyacort. Glucocorticoid. mp = 228-237°; $[\alpha]_D^{20}$ = 83° (dioxane); λ_m = 243 nm (α_M 14875 95% EtOH). *Schering-Plough HealthCare Products; Upjohn Ltd.*

2508 2-Methylpropanoic anhydride

97-72-3 H



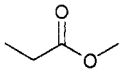
$C_8H_{14}O_3$

Propanoic acid, 2-methyl-, anhydride.

AI3-28521; EINECS 202-603-6; HSDB 5309; Isobutyric acid anhydride; Isobutyric anhydride; Isobutyryl anhydride; Propanoic acid, 2-methyl-, anhydride; UN2530. Liquid; mp = -53.5°; bp = 183°, bp^{32} ▪ 89°; d^{20} = 0.9535; freely soluble in Et_2O, soluble in $CHCl_3$.

2509 Methyl propionate

554-12-1 6135 H



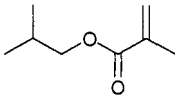
$C_4H_8O_2$

Propionic acid, methyl ester.

4-02-00-00704 (Beilstein Handbook Reference); AI3-10621; BRN 1737628; EINECS 209-060-4; FEMA Number 2742; HSDB 5688; Methyl propanoate; Methyl propionate; Methyl propylate; Methylester kyseliny propionove; NSC 9375; Propanoic acid, methyl ester; Propionate de methyle; Propionic acid, methyl ester; UN1248. Liquid; mp = -87.5°; bp = 79.8°; d^{20} = 0.9150; λ_m = 211 nm (ε = 62, isooctane), 204 nm (ε ▪ 50, H_2O); slightly soluble in H_2O, soluble in Me_2CO, CCl_4, freely soluble in EtOH, Et_2O.

2510 2-Methylpropyl methacrylate

97-86-9 H



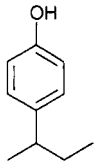
$C_8H_{14}O_2$

2-Propenoic acid, 2-methyl-, 2-methylpropyl ester.

4-02-00-01526 (Beilstein Handbook Reference); BRN 1747595; CCRIS 4829; EINECS 202-613-0; HSDB 5312; Isobutyl α-methacrylate; Isobutyl 2-methyl-2-propenoate; Isobutyl methacrylate; Isobutylester kyseliny methakrylove; Methacrylic acid, isobutyl ester; NSC 18607; Propenoic acid, 2-methyl, isobutyl ester; UN2283. Liquid; bp = 155°; d^{20} = 0.8858; insoluble in H_2O, freely soluble in EtOH, Et_2O.

2511 4-(1-Methylpropyl)phenol

99-71-8 H



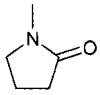
$C_{10}H_{14}O$

Phenol, 4-(1-methylpropyl)-.

4-06-00-03279 (Beilstein Handbook Reference); AI3-18887; BRN 1364714; 4-sec-Butylphenol; p-(sec-Butyl)phenol; EINECS 202-781-5; NSC 2210; Phenol, 4-(1-methylpropyl)-; Phenol, p-(sec-butyl)-. Solid; mp = 61.5°; bp = 241°; d^{20} = 0.986; $[\alpha]_D^{20}$ = +13.3° (m-xylene); insoluble in H_2O, soluble in EtOH, very soluble in Et_2O.

2512 N-Methylpyrrolidone

872-50-4 6140 G H



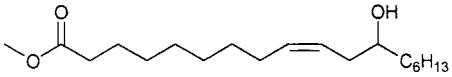
C_5H_9NO

N-Methyl-2-pyrrolidone.

AI3-23116; CCRIS 1633; EINECS 212-828-1; HSDB 5022; M-Pyrol; Methylpyrrolidone; Methylpyrrolidone, N-; 1-Methyl-2-pyrrolidone; 1-Methyl-2-pyrrolidinone; 1-Methylazacyclopentan-2-one; 1-Methylpyrrolidinone; 1-Methylpyrrolidone; 2-Pyrrolidinone, 1-methyl-.; N-Methyl-2-pyrrolidinone; N-Methyl-2-pyrrolidone; NMP; Norleucine, 5-oxo-, DL-; NSC 4594.Solvent for resins, acetylene, pigment dispersant; petroleum processing; spinning agent for PVC; intermediate. Used as coatings solvent, in stripping and cleaning of paints and varnishes, industrial cleaning, mold cleaning, petrochemical processing, agricultural solvent, polymer solvent. Liquid; mp = -24°; bp = 202°; d = 1.033; λ_m = 205 nm (ε = 2884, MeOH); very soluble in H_2O, soluble in Et_2O, Me_2CO, $CHCl_3$; LD_{50} (rat orl) = 3.9 g/kg. *Arco; Ashland; BASF Corp.; ISP; Janssen Chimica; Sigma-Aldrich Fine Chem.*

2513 Methyl ricinoleate

141-24-2 G



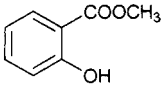
$C_{19}H_{36}O_3$

12-Hydroxy-9-octadecenoic acid methyl ester.

AI3-10523; Castor oil acid, methyl ester; EINECS 205-472-3; Flexricin P-1; HSDB 5636; 12-Hydroxy-9-octadecenoic acid, methyl ester; Methyl 12-hydroxy-9-octadecenoate; Methyl ricinoleate; NSC 1254; 9-Octadecenoic acid, 12-hydroxy-, methyl ester; 9-Octadecenoic acid, 12-hydroxy-, methyl ester, (9Z,12R)-; 9-Octadecenoic acid, 12-hydroxy-, methyl ester, (R-(Z))- (9Cl); Ricinoleic acid methyl ester. Plasticizer, lubricant, cutting oil additive, wetting agent. *Penta Mfg.; Reilly-Whiteman.*

2514 Methyl Salicylate

119-36-8 6143 D G P



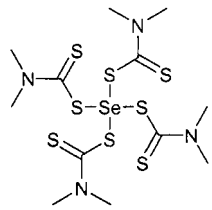
$C_8H_8O_3$

2-Hydroxybenzoic acid methyl ester.

4-10-00-00143 (Beilstein Handbook Reference); AI3-00090; Analgit; Benzoic acid, 2-hydroxy-, methyl ester; Betula; Betula Lenta; Betula oil; Birch oil, sweet; BRN 0971516; Caswell No. 577; CCRIS 6259; EINECS 204-317-7; EPA Pesticide Chemical Code 076601; Exagien; FEMA Number 2745; Flucarmit; Gaultheria oil; Gaultheriaöl; Gaultheriaoel; Heet; HSDB 1935; o-Hydroxybenzoic acid, methyl ester; Methyl 2-hydroxybenzoate; Methyl o-hydroxybenzoate; Methyl salicylate; Methylester kyseliny salicylove; Metylester kyseliny salicylove; Natural wintergreen oil; NSC 8204; Oil of wintergreen; Panalgesic; Salicylic acid, methyl ester; Spicewood Oil; Sweet birch oil; Synthetic wintergreen oil; Teaberry oil; Theragesic; Wintergreen oil; Wintergruenöl; Wintergruenoel. Used as a flavor in foods and beverages, pharmaceuticals, and in perfumery. Registered by EPA as an antimicrobial, fungicide and insecticide. Used medically as an analgesic. Used in food packaging as an insect repellant and possibly an insecticide. Yellow-red oil; mp = -8.6°; bp = 220.9°; d_{25}^{25} = 1.181; d = 1.180; λ_m = 237, 305 nm (ε = 11200, 5300, MeOH); soluble in H_2O (0.06 g/100 ml), $CHCl_3$, Et_2O, freely soluble in EtOH, AcOH; LD_{50} (rat orl) = 887 mg/kg. *Caraustar Industries Inc.; Plantabbs Corp.*

2515 Methyl selenac

144-34-3 G



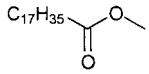
$C_{12}H_{24}N_4S_8Se$

Selenium dimethyldithiocarbamate.

Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with; EINECS 205-624-9; HSDB 2929; Methyl selenac; Orthothioselenious acid; Selenium dimethyldithio-carbamate; Selenium, tetrakis(dimethyldithiocarbamato)-; Tetrakis(di-methyl carbamodithioato-S,S')selenium. Rubber accelerator for NR, SBR, and IIR, vulcanizing agents; effective in low sulfur and sulfurless heat resistant compounds. *Vanderbilt R.T. Co. Inc.*

2516 Methyl stearate

112-61-8 G



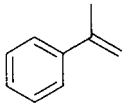
$C_{19}H_{38}O_2$

Methyl octadecanoate.

4-02-00-01216 (Beilstein Handbook Reference); AI3-07960; BRN 1786213; EINECS 203-990-4; Emery® 2218; HSDB 2901; Kemester® 4516; Kemester® 9018; Kemester® 9718; Metholene 2218; Methyl octadecanoate; Methyl n-octadecanoate; Methyl stearate; NSC 9418; Octadecanoic acid, methyl ester; n-Octadecanoic acid methyl ester; Stearic acid, methyl ester; Emery® 2218; Kemester® 4516. Intermediate for stearic acid detergents, emulsifiers, wetting agents, stabilizers, resins, lubricants, plasticizers. Intermediate in production of alkanolamides, in metalworking lubricants, as specialized solvents; foam depressant and nutrient in fermentation. Solvent for pesticides and herbicides. Solid; mp = 39.1°; bp = 443°, bp_{15} = 215°; d^{40} = 0.8498; insoluble in H_2O, soluble in Et_2O, $CHCl_3$. *CK Witco Corp.; Ferro/Keil;*

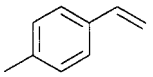
Henkel/Emery; Penta Mfg.

2517 α-Methylstyrene
98-83-9 GH



C_9H_{10}
Benzene, (1-methylethenyl)-.
AI3-18133; as-Methylphenylethylene; Benzene, (1-methylethenyl)-; CCRIS 6067; EINECS 202-705-0; HSDB 196; Isopropenil-benzolo; Isopropenyl-benzeen; iso-propenyl-benzol; Isopropenylbenzene; α-Methyl-styrol; α-Methylstyreen; α-Methylstyrene; NSC 9400; 2-Phenylpropene; 2-Phenyl-1-propene; Styrene, α-methyl-; UN2303. Liquid; mp = -23.2°; bp = 165.4°; d^{20} = 0.9106; λ_m = 420 nm (ε = 22387, liq. NH_3); insoluble in H_2O, solubel in EtOH, Et_2O, freely soluble in Me_2CO, C_6H_6, CCl_4, petroleum ether.

2518 p-Methylstyrene
622-97-9 H



C_9H_{10}
1-Ethenyl-4-methylbenzene.
4-05-00-01369 (Beilstein Handbook Reference); Benzene, 1-ethenyl-4-methyl-; BRN 1209317; CCRIS 3488; EINECS 210-762-8; 1-Ethenyl-4-methylbenzene; HSDB 6503; 4-Methylstyrene; 1-Methyl-4-vinylbenzene; p-Methyl styrene; para-Methylstyrene; Styrene, p-methyl-; 1-p-Tolylethene; p-Vinyltoluene; 4-Vinyltoluene. Liquid; mp = -34.1°; bp = 172.8°; d^{25} = 0.9173; λ_m = 210, 216, 251, 284, 294 nm (ε = 19500, 11200, 15200, 1070, 770, MeOH); insoluble in H_2O, soluble in C_6H_6.

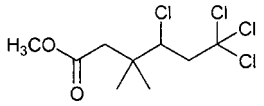
2519 Methyl sulfide
75-18-3 6146 GH

C_2H_6S
Dimethyl sulfide.
4-01-00-01275 (Beilstein Handbook Reference); AI3-25274; BRN 1696847; Dimethyl monosulfide; Dimethyl sulfide; Dimethyl sulphide; Dimethyl thioether; Dimethylsulfid; DMS; EINECS 200-846-2; Exact-S; FEMA No. 2746; HSDB 356; Methane, thiobis-; Methanethiomethane; Methyl monosulfide; Methyl sulfide; Methyl sulphide; Methyl thioether; Methylthiomethane; Sulfure de methyle; 2-Thiapropane; Thiobis(methane); UN1164. Coking suppressor for ethylene production and for steel mill furnace walls; odorant for natural gas; presulfiding agent for catalysts in refinery processes. Used with t-butyl mercaptan [75-66-1] as an additive to natural gas for leak detection. mp = -98.3°; bp = 37.3°; d^{20} = 0.8483; insoluble in H_2O, soluble in organic solvents. *Gaylord.*

2520 Methyl tallowate
61788-61-2 H

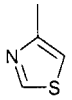
Tallow, methyl ester.
EINECS 262-989-7; Fatty acids, tallow, Me esters; Methyl esters of tallow; Methyl tallowate; Tallow, methyl ester.

2521 Methyl 4,6,6,6-tetrachloro-3,3-dimethylhexanoate
64667-33-0 H



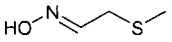
$C_9H_{14}Cl_4O_2$
Hexanoic acid, 4,6,6,6-tetrachloro-3,3-dimethyl-, methyl ester.
EINECS 265-005-4; Hexanoic acid, 3,3-dimethyl-4,6,6,6-tetrachloro, methyl ester; Hexanoic acid, 4,6,6,6-tetrachloro-3,3-dimethyl-, methyl ester; Methyl 4,6,6,6-tetrachloro-3,3-dimethylhexanoate; 4,6,6,6-Tetrachloro-3,3-dimethylhexanoic acid, methyl ester.

2522 4-Methylthiazole
693-95-8 H



C_4H_5NS
4-Methylthiazole.
4-27-00-00969 (Beilstein Handbook Reference); BRN 0105228; EINECS 211-764-1; FEMA No. 3716; HSDB 5747; 4-Methylthiazole; NSC 42976; Thiazole, 4-methyl-. Liquid; bp = 133.3°; d^{25} = 1.112; λ_m = 250 nm (ε = 3467, EtOH); soluble in H_2O, EtOH, Et_2O.

2523 (Methylthio)acetaldehyde oxime
10533-67-2 H

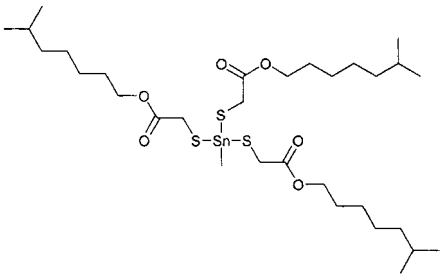


C_3H_7NOS
Acetaldehyde, (methylthio)-, oxime.
(Methylthio)acetaldoxime; (Methylthio)acetaldehyde oxime; Acetaldehyde, (methylthio)-, oxime; EINECS 234-096-2.

2524 Methyltin trichloride
993-16-8 H

CH_3Cl_3Sn
Trichloromethylstannane.
CCRIS 6327; EINECS 213-608-8; Methyltin trichloride; Methyltrichlorostannane; Methyltrichlorotin; Mono-methyltin trichloride; Stannane, methyltrichloro-; Stannane, trichloromethyl-; Tin, methyl-, trichloride; Trichloromethylstannane; Trichloromethyltin.

2525 Methyltin tris(isooctyl mercaptoacetate)
54849-38-6 H



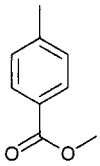
$C_{31}H_{60}O_6S_3Sn$

Stannane, tris(((isooctylthio)acetyl)oxy)methyl-.

Acetic acid, 2,2',2''-((methylstannylidyne)tris(thio))tris-,triisooctyl ester; CCRIS 6070; EINECS 259-374-0; HSDB 6101; Methyltin S,S',S''-tris(isooctyl mercaptoacetate); Methyltin tris(isooctyl mercaptoacetate); Methyltin tris(isooctyl thioglycolate); Monomethyltin tris(isooctyl mercaptoacetate); Monomethyltin tris(isooctyl thioglycolate); Stannane methyltris((carboxymethyl)-thio)tris isooctyl ester; Stannane, tris(((isooctylthio)-acetyl)oxy)methyl-; Triisooctyl 2,2',2''-((methylstannyl-idyne)tris(thio))triacetate.

2526 Methyl p-toluate

99-75-2 H



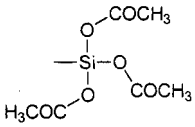
$C_9H_{10}O_2$

Benzoic acid, 4-methyl-, methyl ester.

4-09-00-01726 (Beilstein Handbook Reference); AI3-04243; Benzoic acid, 4-methyl-, methyl ester; BRN 1100609; p-Carbomethoxytoluene; CCRIS 6071; EINECS 202-784-1; HSDB 5327; Methyl 4-methylbenzoate; Methyl p-methylbenzoate; Methyl 4-toluate; Methyl p-toluate; Methyl p-toluenecarboxylate; NSC 24761; p-Toluic acid, methyl ester. Crystals; mp = 33.2°; bp = 220°; λ_m = 238, 281 nm (ε = 14200, 557, MeOH); insoluble in H_2O, very soluble in EtOH, Et_2O.

2527 Methyltriacetoxysilane

4253-34-3 H



$C_7H_{12}O_6Si$

Methylsilanetriol triacetate.

4-04-00-04208 (Beilstein Handbook Reference); APK 1 (silane derivative); BRN 1788668; EINECS 224-221-9; K 10S; Methylsilanetriol triacetate; Methylsilanetriyl triacetate; Methyltriacetoxysilane; Methyltrihydroxysilane triacetate; NSC 139845; Silane, methyltriacetoxy-; Silanetriol, methyl-, triacetate; Triacetoxymethylsilane.

2528 Methyltrichlorosilane

75-79-6 H

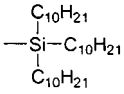
CH_3Cl_3Si

Trichloromethylsilane.

4-04-00-04212 (Beilstein Handbook Reference); AI3-51465; BRN 1361381; CCRIS 1322; EINECS 200-902-6; HSDB 840; Methyl-trichlorsilan; Methylsilicochloroform; Methylsilyl trichloride; Methyltrichlorosilane; Mono-methyltrichlorosilane; NSC 77069; Silane, methyl-trichloro-; Silane, trichloromethyl-; Trichlor-methylsilan; Trichloro(methyl)silane; Trichloromethylsilane; Trichloro-methylsilicon; UN1250. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -90°; bp ■ 65.6°; d^{20} = 1.273; soluble in H_2O and organic solvents. *Degussa-Hüls Corp.*

2529 Methyltridecylsilane

18769-78-3 G



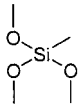
$C_{31}H_{66}Si$

M9030.

Tridecylmethylsilane. Thermally stable fluid with superior metal-on-metal lubrication and wear characteristics. *Degussa-Hüls Corp.*

2530 Methyltrimethoxysilane

1185-55-3 G H



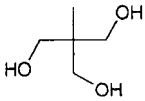
$C_4H_{12}O_3Si$

Trimethoxy(methyl)silane.

Dynasylan® MTMS; EINECS 214-685-0; Methyl-trimethoxysilane; NSC 93883; Silane A-163; Silane, methyltrimethoxy-; Silane, trimethoxymethyl-; Tri-methoxy(methyl)silane; Trimethoxymethylsilane; Union carbide A-163; Union Carbide® A-163; Z 6070. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Crosslinking agent providing durability, gloss, hiding power to coatings. Liquid; bp = 102°; d;ss20 = 0.9548; soluble in $CHCl_3$; LD_{50} (rat orl) = 12500 mg/kg. *Degussa-Hüls Corp.; Union Carbide Corp.*

2531 Methyltrimethylolmethane

77-85-0 H



$C_5H_{12}O_3$

1,1,1-Tris(hydroxymethyl)ethane.

EINECS 201-063-9; Ethane, 1,1,1-tris(hydroxymethyl)-; Ethylidynetrimethanol; HSDB 5217; Methriol; Methyltrimethanolmethane; Methyltrimethylolmethane; Metriol; NSC 65581; Pentaglycerine; Pentaglycerol; Trimet; Trimethylolethane; Tris(hydroxymethyl)ethane. Oil; bp_{22} = 114°, bp = 221°; d^{20} = 0.989; slightly soluble in H_2O, more soluble in organic solvents.

2532 Methyl vinyl ether

107-25-5 H

C_3H_6O

1-Methoxyethylene.

Agrisynth MVE; EINECS 203-475-4; Ethene, methoxy-; Ether, ethenyl methyl; Ether, methyl vinyl; HSDB 1033; Methoxyethene; 1-Methoxyethylene; Methyl vinyl ether; UN1087; Vinyl methyl ether. Gas; mp = -122°; bp = 5.5°; d^0 = 0.7725; slightly soluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, C_6H_6.

2533 Metiram

9006-42-2 P

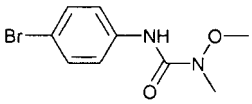
$C_{16}H_{33}N_{11}S_{16}Zn_3$

Tris(amine)(ethylenebis(dithiocarbamato))zinc(2+)(tetrahydro-1,2,4,7-dithiadiazocene-3,8-dithione), polymer.

Amarex; Carbatene; Caswell No. 041A; CCRIS 2500; EPA Pesticide Chemical Code 014601; FMC-9102; HSDB 6705; Metiram; Metiram-complex; Metirame zinc; NIA 9102; Polikarbatsin; Polycarbacin; Polycarbacine; Polycarbazin; Polycarbazine; Polymarcin; Polymarcine; Polymarsin; Polymarzin; Polymarzine; Polymat; Polyram; Polyram 80; Polyram 80WP; Polyram combi; Polyram DF; Zinc ammoniate ethylenebis(dithiocarbamate)-poly-(ethylenethiuram disulfide); Zinc metiram; Zineb-ethylene thiuram disulfide adduct. Used to prevent crop damage in the field, during storage, or transport. Effective against a broad spectrum of fungi and is used to protect fruits, vegetables, field crops, and ornamentals from foliar diseases and damping off. Practically non-toxic. Registered by EPA as a fungicide. Yellow powder; dec. 140°; insoluble in H_2O, common organic solvents, sol-uble in C_5H_5N; LD_{50} (rat orl) > 10000 mg/kg, (mus orl) > 5400 mg/kg, (gpg orl) = 2400 - 4800 mg/kg, (rat der) > 2000 mg/kg, (bee orl) > 0.04 mg/bee, (bee contact) > 0.016 mg/bee; LC_{50} (rat ihl 4 hr.) > 5.7 mg/l air, (carp 96 hr.) = 85 mg/l, (rainbow trout 96 hr.) = 1.1 mg/l, (harlewuim fish 48 hr.) = 17 mg/l. *Amvac Chemical Corp.; BASF AG; UAP - Platte Chemical.*

2534 Metobromuron

3060-89-7 6163 G H



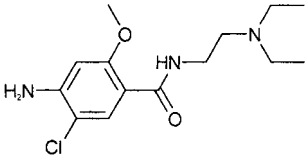
$C_9H_{11}BrN_2O_2$

N'-(4-Bromophenyl)-N-methoxy-N-methylurea.

3-(4-Bromophenyl)-1-methoxy-1-methylurea; 3-(4-Brom-phenyl)-1-methoxyharnstoff; 3-(p-Bromophenyl)-1-meth-yl-1-methoxyurea; BRN 2103964; C-3126; Caswell No. 579A; CCRIS 6765; CIBA-3126; EPA Pesticide Chemical Code 035901; HSDB 1741; Metbromuron; Metobrom-uron; Metobromurone; Monobromuron; N-(4-Bromo-phenyl)-N'-methyl-N'-methoxy-harnstoff; N'-(4-Bromo--phenyl)-N-methoxy-N-methylurea; Patoran; Patt-onex; Urea, 3-(p-bromophenyl)-1-methoxy-1-methyl-; Urea, N'-(4-bromophenyl)-N-methoxy-N-methyl-. A substituted urea which inhibits photosynthesis and is used for pre-emergence control of annual broad-leaved weeds and grasses in vegetable crops. Used as a herbicide. Colorless crystals; mp = 95 - 96°; sg^{20} ▪ 1.6; soluble in H_2O (0.033 g/100 ml at 20°), Me_2CO (50 g/100 ml), CH_2Cl_2 (55 g/100 ml), MeOH (24 g/100 ml), C_7H_8 (10 g/100 ml), n-octanol (7 g/100 ml), $CHCl_3$ (6.25 g/100 ml), C_6H_{14} (0.26 g/100 ml); LD_{50} (rat orl) = 2603 mg/kg, (rat der) > 3000 mg/kg, (rbt der) > 10200 mg/kg; LC_{50} (rat ihl 4 hr.) > 1.1 mg/l air, (rainbow trout 96 hr.) = 36 mg/l, (bluegill sunfish 96 hr.) = 40 mg/l, (crucian carp 96 hr.) = 40 mg/l; non-toxic to bees. *BASF Corp.; CIBA plc; Ciba-Geigy Corp.; Makhteshim-Agan; Syngenta Crop Protection.*

2535 Metoclopramide

364-62-5 6164 D



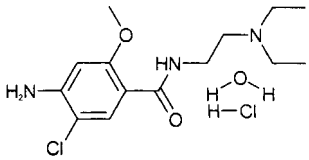
$C_{14}H_{22}ClN_3O_2$

4-Amino-5-chloro-N-[2-(diethylamino)ethyl]-2-methoxy-benzamide.

AHR-3070-C; BRN 1884366; Cerucal; Clopromate; DEL 1267; Draclamid; EINECS 206-662-9; Emperal; Eucil; Gastrese; Gastro-tablinen; Gastro-Timelets; Gastrobid; Gastromax; Gastrosil; Gastrotem; Maxeran; Maxolon; MCP-ratiopharm; Meclopran; Metamide; Metho-chlopramide; Metochlopramide; Metoclol; Meto-clopramida; Metoclopramide; Metoclopramidum; Metocobil; Metramid; Moriperan; Parmid; Paspertin; Plasil; Primperan; Regla; Reliveran. Antiemetic with neuroleptic activity. Crystals; mp ▪ 146-148°; soluble in H_2O (0.2 g/100 ml), more soluble in organic solvents. *Abbott Labs Inc.; Apothecon; Lemmon Co.; SmithKline Beecham Pharm.; Whitehall-Robins.*

2536 Metoclopramide Hydrochloride

54143-57-6 6164 D



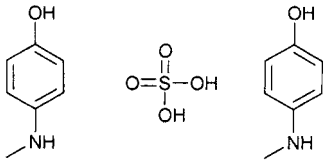
$C_{14}H_{23}Cl_2N_3O_2.H_2O$

4-Amino-5-chloro-N-[2-(diethylamino)ethyl]-2-methoxybenzamide monohydrochloride monohydrate.

AHR-3070-C; Cerucal; Clopromate; Draclamid; Emperal; Eucil; Gastrese; Gastro-tablinen; Gastro-Timelets; Gastrobid; Gastromax; Gastrosil; Gastrotem; Maxeran; Maxolon; MCP-ratiopharm; Meclopran; Metamide; Metoclol; Metoclopramide hydrochloride; Meto-clopramide monohydrochloride monohydrate; Metocobil; Metramid; Moriperan; Mygdalon; Parmid; Paspertin; Peraprin; Plasil; Pramiel; Regian. Antiemetic with neuroleptic activity. Crystals; mp = 182.5-184°; slightly soluble in H_2O, more soluble in organic solvents. *Abbott Labs Inc.; Apothecon; Lemmon Co.; SmithKline Beecham Pharm.; Whitehall-Robins.*

2537 Metol

55-55-0 6046 G



$C_{14}H_{20}N_2O_6S$

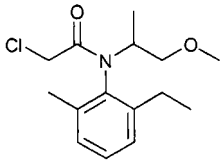
p-Methylaminophenol sulfate.

AI3-15404; Armol; Bis(4-hydroxy-N-methylanilinium) sulphate; CCRIS 4842; EINECS 200-237-1; Elon; Elon (developer); Genol;

Graphol; Metatyl; Methyl-p-aminophenol sulfate; Metol; N-Methyl-4-hydroxyaniline hemisulfate; NSC 148345; p-Methylaminophenol sulfate; p-Methylaminophenol sulphate; Photo-Rex; Photol; Pictol; Planetol; Rhodol; Verol. Used as a developing agent in photography. Also used for dyeing furs. Crystals; mp = 260° (dec); soluble in H_2O (5-15 g/100 ml); less soluble in organic solvents. *Fabrichem.*

2538 Metolachlor

51218-45-2 6167 G H P



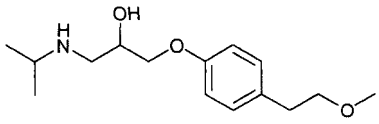
$C_{15}H_{22}ClNO_2$

2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide.

2-Äthyl-6-methyl-N-(1-methyl-2-methoxyäthyl)-chloracet-anilid; 2-Ethyl-6-methyl-1-N-(2-methoxy-1-methylethyl)-chloroacetanilide; 2-Etylo-6-metylo-N-(1'-metylo-2'-metoksyetylo)chloroacetanilid; Bicep; Bicep 6L; BRN 2743537; Caswell No. 188DD; CGA-24705; α-Chlor-6'-äthyl-N-(2-methoxy-1-methyläthyl)-aceto-toluidin; α-Chloro-2'-ethyl-6'-methyl-N-(1-methyl-2-methoxyethyl)-acetanilide; 2-Chloro-2'-ethyl-N-(2-methoxy-1-methyl-ethyl)-6'-methylacetanilide; 2-Chloro-6'-ethyl-N-(2-meth-oxy-1-methylethyl)-o-acetotoluidide; 2-Chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide; 2-Chloro-6'-ethyl-N-(2-methoxy-1-methyl-ethyl)-o-acetoluidide; 2-Chloro-6'-ethyl-N-(2-methoxy-1-methyl-ethyl)-o-aceto-toluidine; 2-Chloro-N-(2-ethyl-6-methyl-phenyl)-N-(2-methoxy-1-methylethyl)acetamide; Codal; Cotoran multi; Dual; Dual 8E; Dual 25G; Dual 720EC; Dual 960 EC; Dual II; Dual Magnum; Dual Triple; EINECS 257-060-8; EPA Pesticide Chemical Code 108801; HSDB 6706; Humextra; Metelilachlor; N-(2'-Methoxy-1'-methylethyl)-2'-ethyl-6'-methyl-2-chloro-acetanilide; N-(1-Methyl-2-methoxyethyl)-N-chloro-acetyl-2-ethyl-6-methylaniline; Metolachlor; Metola-chlore; Metolaclor; Ontrack 8E; Pace 6L; Pennan; Pennant; Primagram; Primextra; Turbo; Yibingjiacaoan. Selective herbicide used for control of annual grasses and some broad-leaved weeds. Registered by EPA as a herbicide. Colorless liquid; $bp_{0.001}$ = 100°; d = 1.12; soluble in H_2O (0.0530 g/100 ml), more soluble in organic solvents, insoluble in ethylene glycol, propylene glycol, petroleum ether; LD_{50} (rat orl) = 2780 mg/kg, (rat der) > 3170 mg/kg; LC_{50} (rat ihl 6 hr.) = 1.75 mg/l air, (bobwhite quail, mallard duck 8 day dietary) > 10000 mg/kg, (rainbow trout 96 hr.) = 2 mg/l, (carp 96 hr.) = 4.9 mg/l, (bluegill sunfish 96 hr.) = 15 mg/l; non-toxic to bees. *BASF Corp.; Bayer Corp.; Drexel Chemical Co.; Syngenta Crop Protection.*

2539 Metoprolol

51384-51-1 6172 D



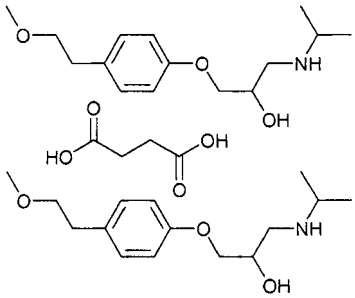
$C_{15}H_{25}NO_3$

1-(Isopropylamino)-3-[p-(2-methoxyethyl)phenoxy]-2-propanol.

CGP-2175; EINECS 257-166-4; H-93/26. Antianginal; class II antiarrhythmic; antihypertensive. A β-adrenergic blocker. Lacks inherent sympathomimetic activity. *Apothecon; Astra Chem. Ltd.; Ciba-Geigy Corp.; Lemmon Co.*

2540 Metoprolol succinate

98418-47-4 6172 D



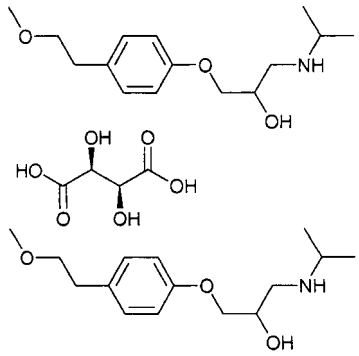
$C_{34}H_{56}N_2O_{10}$

1-(Isopropylamino)-3-[p-(2-methoxyethyl)phenoxy]-2-propanol succinate (2:1) (salt).

Beloc-Zok; H 93/26 succinate; Metoprolol succinate; Seloken ZOC; Selozok; Spesicor Dos; Toprol XL. A β-adrenergic blocker. Lacks inherent sympathomimetic activity. Antianginal; class II antiarrhythmic; anti-hypertensive. *Apothecon; Astra Chem. Ltd.; Astra Sweden; Ciba-Geigy Corp.; Lemmon Co.*

2541 Metoprolol tartrate

56392-17-7 6172 D



$C_{34}H_{56}N_2O_{12}$

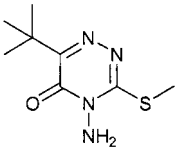
1-(Isopropylamino)-3-[p-(2-methoxyethyl)phenoxy]-2-propanol (2:1) dextro-tartrate salt.

Apo-Metoprolol; Arbralene; Azumetop; Beloc; Beprolo; Betaloc; Bloksan; Bloxan; Cardoxone; CGP 2175E; EINECS 260-148-9; H 93/26; HCTCGP 2175E; HSDB 6531; Jeprolol; Kapodine; Lanoc; Lopresor; Lopressor; Lopressor HCT; Mepolol; Meto AbZ; Meto-Isis; Metoberag; Metoberta; Metocard; Metolol; Metomerck; Metop; Metoproferm; Metoprolin; Metoprolol acis; Metoprolol AL; Metoprolol Apogepha; Metoprolol Atid; Metoprolol Basics; Metoprolol-GRY; Metoprolol hemitartrate; Metoprolol Heumann; Metoprolol PB; Metoprolol-radiopharm; Metoprolol-rpm; Metoprolol Stada; Metoprolol tartrate; Metoprolol Verla; Metoprolol-Wolf; Minax; PMS-Metroprolol-B; Prelis; Proken M; Prolaken; Ritmolol; Selectadril; Selo-Zok; Selokeen; Seloken; Selopral; Sigaprolol; Slow-Lopresor; Spesicor; Topromel; Vasocardin.; component of: Lopressor HCT. A β-adrenergic blocker. Lacks inherent sympathomimetic activity. Antianginal; class II antiarrhythmic; anti-hypertensive. Crystals; soluble in MeOH (50 g/100 ml), H_2O (> 100 g/100 ml), $CHCl_3$ (49.6 g/100 ml), Me_2CO (0.11 g/100 ml), CH_3CN (0.089 g/100 ml); insoluble in C_6H_{14}; LD_{50} (fmus iv) = 118 mg/kg, (fmus orl) = 3090 mg/kg, (mrat iv) ≅ 90 mg/kg, (mrat orl) = 3090 mg/kg, (mrat iv) ≅ 90 mg/kg, (mrat orl) = 3090 mg/kg. *Apothecon; Astra Chem. Ltd.; Ciba-*

Geigy Corp.; Lemmon Co.; Sandoz Nutrition.

2542 Metribuzin

21087-64-9 6175 G P



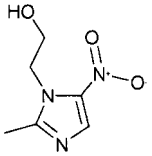
$C_8H_{14}N_4OS$

4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-tri-azin-5(4H)-one.

5-26-06-00432 (Beilstein Handbook Reference); 4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one; 4-Amino-6-t-butyl-3-(methylthio)-1,2,4-tri-azin-5-one; 4-Amino-6-t-butyl-4,5-dihydro-3-methyl-thio-1,2,4-triazin-5-one; 4-Amino-6-t-butyl-3-methylthio-1,2, 4-triazin-5(4H)-one; 4-Amino-6-t-butyl-3-(methyl-thio)-as-triazin-5(4H)-one; Bay 94337; BAY 61597; BAY dic 1468; Bayer 6159H; Bayer 6443H; Bayer 94337; BRN 0746650; Caswell No. 033D; DIC 1468; EINECS 244-209-7; EPA Pesticide Chemical Code 101101; HSDB 6844; Lexone; Lexone 4L; Lexone DF; 3-Methylthio-4-amino-6-t-butyl-1,2,4-triazin-5-one; Metribuzin; Metri-buzine; NTN 70; Sencor; Sencor 4F; Sencor DF; Sencorex; Sencorex L.F.; Senkor; as-Triazin-5(4H)-one, 4-amino-6-t-butyl-3-(methylthio)-; 1,2,4-Triazin-5-one, 4-amino-6-t-butyl-3-(methylthio)-; 1,2,4-Triazin-5(4H)-one, 4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-; Zenkor. Systemic herbicide used for control of many important grasses and broad-leaved weeds in soybeans, potatoes, tomatoes, sugarcane, alfalfa and asparagus; suitable for pre-and in some cases post emergence application. Registered by EPA as a herbicide. Colorless crystals; mp = 125.5 - 126.5°; sg^{20} = 1.28; d^{20}_{4} = 1.28; slightly soluble in H_2O (0.105 g/100 ml), soluble in DMF (167 g/100 ml), cyclohexanone (94 g/100 ml), $CHCl_3$ (126 g/100 ml), Me_2CO (65 g/100 ml)), MeOH (36 g/100 ml), CH_2Cl_2 (44.3 g/100 ml), C_6H_6 (19 g/100 ml), n-BuOH (12 g/100 ml), EtOH (15 g/100 ml), C_7H_8 (10 g/100 ml), xylene (8 g/100 ml), i-PrOH (4 - 8 g/100 ml), C_6H_{14} (0.13 g/100 ml); LD_{50} (rat orl) = 2200 mg/kg, (mus orl) = 698 - 711 mg/kg, (gpg orl) = 250 mg/kg, (cat orl) > 500 mg/kg, (rat, rbt der) > 20000 mg/kg, (bobwhite quail orl) = 164 mg/kg; LC_{50} (bobwhite quail, mallard duck 5 day dietary) > 4000 mg/kg diet, (bluegill sunfish 96 hr.) = 80 mg/l, (rainbow trout 96 hr.) = 76 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp.; E. I. DuPont de Nemours Inc.; FMC Corp.; Syngenta Crop Protection; UAP - Platte Chemical.*

2543 Metronidazole

443-48-1 6178 D P



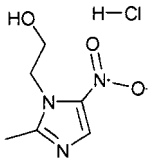
$C_6H_9N_3O_3$

2-Methyl-5-nitroimidazole-1-ethanol.

5-23-05-00063 (Beilstein Handbook Reference); Acromona; Anagiardil; Ariiin; Atrivyl; Bayer 5360; Bexon; BRN 0611683; Caswell No. 579AA; CCRIS 410; Clont; Cont; Danizol; Deflamon; Deflamon-wirkstoff; Efloran; EINECS 207-136-1; Elyzol; Entizol; EPA Pesticide Chemical Code 120401; Eumin; Flagemona; Flagesol; Flagil; Flagyl; Fossyol; Giatricol; Gineflavir; HSDB 3129; Klion; Klont; Meronidal; Metro Cream & Gel; Metro Gel; Metro I.V.; Metrolag; Metrolyl; Metronidaz; Metro-nidazol; Metronidazole; Metronidazolo; Metronidazolum; Metrotop; Mexibol; Mexibol 'silanes'; Mixture Name; Monagyl; Monasin; Nalox; Neo-tric; NIDA; Noritate; Novonidazol; NSC-50364; Orvagil; Protostat; Rathimed; RP 8823; Sanatrichom; Satric; SC 10295; Takimetol; Trichazol; Trichex; Tricho Cordes; Tricho-Gynaedron; Trichocide; Trichomol; Trichomonacid 'pharmachim'; Trichopol; Tricocet; Tricom; Tricowas B; Trikacide; Trikamon; Trikojol; Trikozol; Trimeks; Trivazol; Vagilen; Vagimid; Vertisal; Wagitran; Zadstat.; component of: Flagyl I.V. RTU, Metro I.V. Antiamebic, antibacterial and antiprotozoal against Trichomonas. Crystals; mp = 160.5°; λ_m = 227, 314 nm (ε = 3467, 8913, EtOH); soluble in H_2O (1.0 g/100 ml), EtOH (0.5 g/100 ml), Et_2O (< 0.05 g/100 ml), $CHCl_3$ (< 0.05 g/100 ml); sparingly soluble in DMF. *Bayer Corp. Pharm. Div.; Elkins-Sinn; Galderma Labs Inc.; Lemmon Co.; McGaw Inc.; Ortho Pharm. Corp.; Savage Labs; SCS Pharm.*

2544 Metronidazole hydrochloride

69198-10-3 6178 D



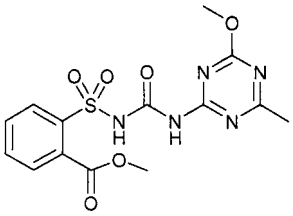
$C_6H_{10}ClN_3O_3$

2-Methyl-5-nitroimidazole-1-ethanol.

Flagyl I.V.; Imidazole-1-ethanol, 2-methyl-5-nitro-, hydro-chloride; 1H-Imidazole-1-ethanol, 2-methyl-5-nitro-, hydrochloride; 2-Methyl-5-nitroimidazole-1-ethanol monohydrochloride; 2-Methyl-5-nitroimidazole-1-ethanol hydrochloride; Metronidazole hydrochloride; SC 32642. Antiprotozoal against Trichomonas. Antiamebic and antibacterial. *SCS Pharm.*

2545 Metsulfuron

79510-48-8 P



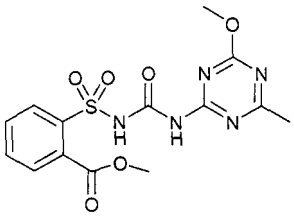
$C_{13}H_{13}N_5O_6S$

2-[[[[(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carbonyl]amino]sulfonyl]benzoic acid.

Benzoic acid, 2-(((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl)amino)sulfonyl)- 2-(((((4-Methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl)amino)sulfonyl)-benzoic acid; 2-(3-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)ureidosulfonyl)benzoic acid; Metsu 453; Metsulfuron; 2-(3-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)ureidosulph-onyl)benzoic acid; 2-(4-Methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoic acid; Metsu 453; Metsulfuron. Herbicide. *E. I. DuPont de Nemours Inc.*

2546 Metsulfuron-methyl

74223-64-6 6180 G P



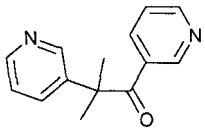
$C_{14}H_{15}N_5O_6S$

Methyl 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-amino]carbonyl]amino]sulfonyl]benzoate.

Allie; Ally; Ally 20DF; BRN 0587472; Brush-off; Caswell No. 419H; DPD 63760H; DPD 63760M; DPX 6376; DPX-T 6376; EPA Pesticide Chemical Code 122010; Escort; Escort (pesticide); Finesse; Granstar; Gropper; HCHA 92HA; HSDB 6849; Metsulfuron Me; Metsulfuron methyl; Metsulfuron methyl ester; T 6376. Plant growth regulator, used for control of annual dicotyledons and pre- or post-emergence control of annual and perennial broad-leaved weeds in wheat, barley and oats. Registered by EPA as a herbicide. Colorless crystals; mp = 158°; slightly soluble in H_2O (0.00011 g/100 ml at pH 5, 0.00095 g/100 ml at pH 7), soluble in xylene (0.058 g/100 ml), C_6H_{14} (0.079 g/100 ml), EtOH (0.23 g/100 ml), MeOH (0.73 g/100 ml), Me_2CO (3.6 g/100 ml), CH_2Cl_2 (12.1 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 5 mg/l air, (rainbow trout, bluegill sunfish 96 hr.) > 12.5 mg/l, (mallard duck, bobwhite quail 8 day dietary) > 5620 mg/kg diet; non-toxic to bees. *DuPont UK; E. I. DuPont de Nemours Inc.; Makhteshim-Agan; Riverdale Chemical Co; Scotts Co.*

2547 Metyrapone

54-36-4 6181 G



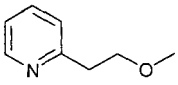
$C_{14}H_{14}N_2O$

2-Methyl-1,3-di-3-pyridiyl-1-propanone.

1,2-Di-3-pyridyl-2-methyl-1-propanone; EINECS 200-206-2; HSDB 2500; Mepyrapone; Methapyrapone; Methbipyranone, SU-4885; Methopirapone; Metho-pyrapone; Methopyrinine; Methopyrone; 2-Methyl-1,2-di-3-pyridinyl-1-propanone; 2-Methyl-1,2-di-3-pyridyl-1-propanone; Metirapona; Metopiron; Metopirone; Metopyrone; Metroprione; Metyrapon; Metyrapone; Metyraponum; NSC 25265; 1-Propanone, 1,2-di-3-pyridyl-2-methyl-; 1-Propanone, 2-methyl-1,2-di-3-pyridinyl-; SU 4885. Diagnostic aid used to measure pituitary function. Solid: mp = 50-51°. *Ciba-Geigy Corp.*

2548 Metyridine

114-91-0 6182 G V



$C_8H_{11}NO$

2-(β-methoxyethyl)pyridine.

AI3-26615; Dekelmin; EINECS 204-060-0; Emthyridine; Farmintic; 2-(2-Methoxyethyl)pyridine; Methydrine; Metiridin; Metiridina; Metyridine; Metyridinum; Minthic; Mintic; NSC 34071; Prominthic; Promintic; Pyridine, 2-(2-methoxyethyl)-; 2-(2-Pyridyl)ethyl methyl ether; 2-Pyridyl-2-methoxyethane. Anthelmintic, used in veterinary medicine. Liquid; bp = 203°, bp_{17} = 96°; d^{20} = 0.988; very soluble in H_2O, EtOH.

2549 Mica

12001-26-2 G

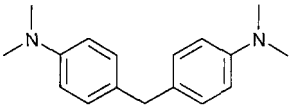
SiO_2, Al_2O_3, K_2O, Fe_2O_3, Na_2O, CaO, TiO_2, MnO_2, P, S

Silicates: mica.

Abhrak; C 1000; CI 77019; Davenite P 12; HSDB 2539; HX 610; Mica; Mica, fluorian; Mica-group minerals; Mica, respirable fraction; Micacoat®; Micatex; Micromica W 1; Muscovite; Muscovite mica; P 80P; Silicate, mica; Silicates (<1% crystalline silica):MICA; Suzorite; Suzorite 60S; Suzorite mica. Chemically coupled muscovite mica, coarse and fine grinds: used for polymer composites and high performance coatings. NYCO® Minerals Inc..

2550 Michler's base

101-61-1 6200 G



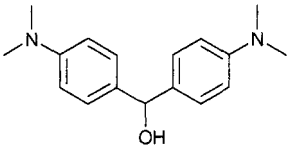
$C_{17}H_{22}N_2$

4,4'-Methylene bis(N,N'-dimethylaniline).

AI3-09165; Aniline, 4,4'-methylenebis(N,N-dimethyl-; Arnold's Base; BAZE michlerova; CCRIS 390; 4,4'-(Dimethylamino)diphenylmethane; Diphenylmethane, tetramethyldiamino-; EINECS 202-959-2; HSDB 2856; Methane, bis(p-(dimethylamino)phenyl)-; Methane-diamine, tetramethyl-N,N'-diphenyl-; Methylene base; Michler's hydride; Michler's ketone, reduced; Michler's methane; NCI-C01990; N,N'-Tetramethy-diamino-diphenylmethane; NSC 36782; Reduced Michler's ketone; Tetra-base; Tetramethyldiaminodiphenylmethane; methylene base; Michler's hydride; reduced Michler's ketone;; 4,4'-Methylene bis(N,N-dimethyl)benzenamine. Used in manufacture of dyes and as a reagent for lead. Crystals; mp = 91.5°; bp = 390° (dec), bp_3 = 183°; insoluble in H_2O, slightly soluble in EtOH, very soluble in Et_2O, C_6H_6, CS_2.

2551 Michler's hydrol

119-58-4 G



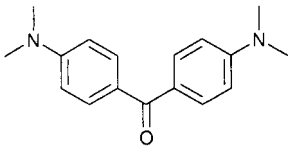
$C_{17}H_{22}N_2O$

4,4'-Bis(dimethylamino)benzhydrol.

4-13-00-02148 (Beilstein Handbook Reference); AI3-17495; Benzenemethanol, 4-(dimethylamino)-α-(4-(dimethylamino)phenyl)-; Benzhydrol, 4,4'-bis-(dimethylamino)-; α,α-Bis(p-dimethylaminophenyl)-methanol; Bis(4-(dimethylamino)phenyl)methanol; BRN 2131843; EINECS 204-335-5; Michler's hydrol; p,p'-Michler's hydrol; NSC 3563; Tetramethyldiamino-benzhydrol. Used as a dye intermediate and in organic synthesis. Crystals; mp = 100-102°.

2552 Michler's ketone

90-94-8 6201 G



$C_{17}H_{20}N_2O$

Tetramethyldiaminobenzophenone.

AI3-22412; Benzophenone, 4,4'-bis(dimethylamino)-; CCRIS 412; EINECS 202-027-5; HSDB 2865; Methanone, bis(4-(dimethylamino)phenyl)-; Michler's ketone; p,p'-Michler's ketone; NCI-C02006; NSC 9602; Tetramethyldiaminobenzophenone. Used for making pigments and dyestuffs, especially auramine derivatives. Crystalline solid; mp = 179°; bp = 360° (dec); λ_m = 245 nm (MeOH); slightly soluble in H_2O, more soluble in organic solvents. *Hill Brothers Chemical Co.*

2553 Microcrystalline wax

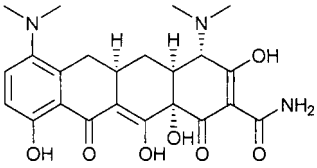
63231-60-7 H

Petroleum wax, microcrystalline.

EINECS 264-038-1; Microcrystalline wax; Paraffin waxes and hydrocarbon waxes, microcryst.; Petroleum wax, microcrystalline.

2554 Minocycline

10118-90-8 6224 D



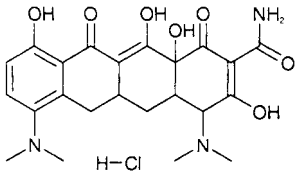
$C_{23}H_{27}N_3O_7$

4,7-Bis(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,1-dioxo-2-naphthacenecarb-oxamide.

BRN 3077644; CL 59806; HSDB 3130; Minociclina; Minocyclin; Minocycline; Minocyclinum; Minocyn. Tetracycline antibiotic. Semi-synthetic. Effective against tetracycline-resistant staphylococci. $[\alpha]_D^{25}$ = -166° (c = 0.524); λ_m 352 263 nm (4.16 4.23 0.1N HCl), 380 243 nm (log ε 4.30 4.38 0.1N NaOH). *Lederle Labs.; Parke-Davis.*

2555 Minocycline hydrochloride

13614-98-7 6224 D



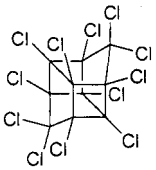
$C_{23}H_{28}ClN_3O_7$

4,7-Bis(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,1-dioxo-2-naphthacenecarb-oxamide hydrochloride.

Arestin; EINECS 237-099-7; Klinomycin; Minocin; Minocycline chloride; Minocycline hydrochloride; Minomax; Minomycin; Mynocine hydrochloride; NSC 141993; Tri-mino; Tri-minocycline; Vectrin. Tetracycline antibiotic. Yellow crystalline powder; sensitive to light and to oxidation. *Lederle Labs.; Parke-Davis.*

2556 Mirex

2385-85-5 6229 P



$C_{10}Cl_{12}$

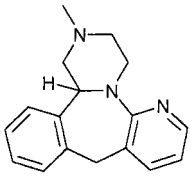
Dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta-(cd)pentalene.

AI3-25719; Bichlorendo; Caswell No. 411; CCRIS 413; CG-1283; Cyclopentadiene, hexachloro-, dimer; 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-, dimer; Dechl-orane; 1,1a,2,2,3,3a,4,5,5,5a,5b,6-Dodecachloro-octa-hydro-1,3,4-metheno-1H-cyclobuta(cd)pentalene; Do-decachloropentacyclodecane; Dodecachloropentacyclo-(5.2.1.0^{2,6},0^{3,9},0^{5,8})decane; Dodecachloropenta-cyclo-(3.2.2.0^{2,6},0^{3,9},0^{5,10})decane; Dodecaclor; EINECS 219-196-6; ENT 25,719; EPA Pesticide Chemical Code 039201; Ferriamicide; Fire Ant Bait; GC 1283; Hexachlorocyclopentadiene dimer; 1,2,3,4,5,5-Hexa-chloro-1,3-cyclopentadiene dimer; HRS 1276; HSDB 1659; 1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-; 1,3,4-Metheno-1H-cyclobuta(cd)pentalene, dodecachloroocta-hydro-; Mirex; NCI-C06428; NSC 26107; NSC 37656; NSC 124102; Paramex; Pentacyclodecane, dodeca-chloro-; Perchlordecone; Perchlorodihomo-cubane; Per-chloropentacyclo(5.2.1.02,6.0^{3,9}.0^{5,8})decane;

Perchloropentacyclodecane. Used as a fire retardant and formerly, as an insecticide for control of fire ants. Designated as a Persistent Organic Pollutant (POP) under the Stockholm convention. White crystals; dec. 485°; insoluble in H_2O, soluble in dioxane (15 g/100 ml), xylene (14 g/100 ml), C_6H_6 (12 g/100 ml), CCl_4 (7 g/100 ml), MEK (6 g/100 ml), LD_{50} (frat orl) = 600 mg/kg.

2557 Mirtazapine

61337-67-5 6230 D



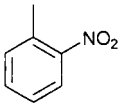
$C_{17}H_{19}N_3$

1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c]benzazepine.

EINECS 288-060-6; Mepirzepine; Mirtazepine; Org-3770; Remeron. An α_2-adrenergic blocker; analog of mianserin. Tetracyclic antidepressant. Crystals; mp = 114-116°. *Chinoin; Organon Inc.*

2558 MNT

1321-12-6 G



$C_7H_7NO_2$
Mononitrotoluenes.
Benzene, methylnitro-; EINECS 215-311-9; HSDB 6301; Methylnitrobenzene; MNT; Mononitrotoluene; Nitrophenylmethane; Nitrotoluene; Nitrotoluene (all isomers); Nitrotoluenes; Nitrotoluidines (mono); Nitrotoluol; UN2660. Mixture of o, m and p-isomers. Used as intermediates in the preparation of trinitrotoluene.

2559 Molybdenum
7439-98-7 6257 G

Mo
Molybdenum.
Amperit 105.054; Amperit 106.2; EINECS 231-107-2; HSDB 5032; MChVL; Metco 63; Molybdenum; Molybdenum, elemental; Molybdenum, metallic; TsM1. Metallic element; alloying agent in steels and cast iron; pigments for printing inks, paints, ceramics; catalyst; solid lubricants; missile and aircraft parts; reactor vessels; cermets; die-casting copper-base alloys; special batteries. Metal; mp ▫ 2622°; bp ▫ 4825°; d = 10.28. *AAA Molybdenum; Atomergic Chemetals; Cerac; Climax Molybdenum Co.*

2560 Molybdenum dioxide
18868-43-4 G

MoO_2
Molybdenum(IV) oxide.
EINECS 242-637-9; Molybdenum dioxide; Molybdenum oxide (MoO_2). *AAA Molybdenum; Atomergic Chemetals; Climax Molybdenum Co.*

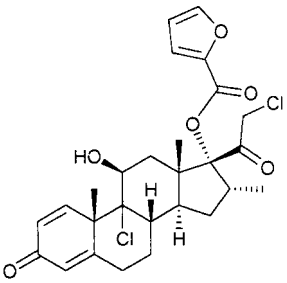
2561 Molybdenum disulfide
1317-33-5 6258 G

MoS_2
Molybdenum(IV) sulfide.
C.I. 77770; C.I. Pigment Black 34; DAG 206; DAG 325; DAG-V 657; DM 1; EINECS 215-263-9; HSDB 1660; Liqui-Moly LM 2; Liqui-Moly LM 11; LM 13; LM 13 (lubricant); M 5; M 5 (lubricant); MD 40; MD 40 (lubricant); Moly Powder B; Moly Powder C; Moly Powder PA; Moly Powder PS; Molybdenite; Molybdenum bisulfide; Molybdenum disulfide; Molybdenum sulfide (MoS_2); Molybdenum(IV) sulfide; Molycolloid CF 626; Molyke R; Molykote; Molykote Microsize Powder; Molykote Z; Molysulfide; Mopol M; Mopol S; Motimol; Natural molybdenite; Nichimoly C; Pigment Black 34; Solvest 390A; Sumipowder PA; T-Powder. Used as a dry lubricant and hydrogenation catalyst. Lead-gray powder; mp = 2375°; sublimes at 450°; d_{13}^{15} ▫ 5.06; insoluble in H_2O. *AAA Molybdenum; Climax Molybdenum Co.; Dow Corning.*

2562 Molybdenum trioxide
1313-27-5 6261 G

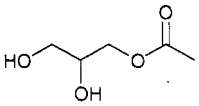
MoO_3
Molybdenum(VI) oxide.
CCRIS 1163; EINECS 215-204-7; HSDB 1661; Mo-1202T; Molybdena; Molybdenum oxide; Molybdenum peroxide; Molybdenum trioxide; Molybdenum(VI) oxide; Molybdenumperoxide; Molybdic acid anhydride; Molybdic anhydride; Molybdic oxide; Molybdic trioxide; Natural molybdite; NSC 215191. Source of Mo; reagent for analytical chemistry; agriculture; manufacture of metallic molybdenum; corrosion inhibitor; ceramic glazes; enamels; pigments; catalyst. Yellow-blue powder; mp = 795°; bp = 1155°; d_4^{26} = 4.696; soluble in H_2O (0.49 g/l), insoluble in organic solvents; LD_{50} (rat orl) = 2689 mg/kg. *AAA Molybdenum; Atomergic Chemetals; Cerac; Climax Molybdenum Co.*

2563 Mometasone furoate
83919-23-7 6264 D



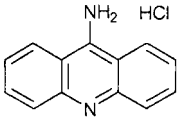
$C_{27}H_{30}Cl_2O_6$
(11β,16α)-9,21-Dichloro-17-{(2-furanylcarbonyl)oxy}-11-hydroxy-16-methylpregna-1,4-diene-3,20-dione.
BRN 4340538; Danitin; Ecural; Elocon; Elocone; Flumeta; Mometasone furoate; Nasonex; Nosorex; Rimelon; Sch 32088. Topical corticosteroid. Anti-inflammatory. Crystals; mp = 218-220°; $[\alpha]_D^{26}$ = + 58.3° (in dioxane); λ_m = 247 nm (ε 26300 in MeOH). *Schering-Plough HealthCare Products.*

2564 Monacetin
26446-35-5 6265 G



$C_5H_{10}O_4$
1,2,3-propanetriol monoacetate.
Acetin; Acetin, mono-; Acetoglyceride; Acetyl monoglyceride; AI3-24158; CCRIS 5881; EINECS 247-704-6; Glycerin monoacetate; Glycerine monoacetate; Glycerol acetate; Glycerol monoacetate; Glyceryl acetate; Glyceryl monoacetate; HSDB 4285; Monacetin; Mono-acetin; Monoacetin; 1,2,3-Propanetriol, monoacetate. Mixture of the 1- and 2-monoacetates. Used for tanning; solvent for dyes; food additive; gelatinizing agent in explosives. Liquid; bp_{17} = 158°; d_4^{20} = 1.206; soluble in H_2O, EtOH, insoluble in other organic solvents; LD_{50} (rat sc) = 6.6 g/kg.

2565 Monacrin
134-50-9 406 G

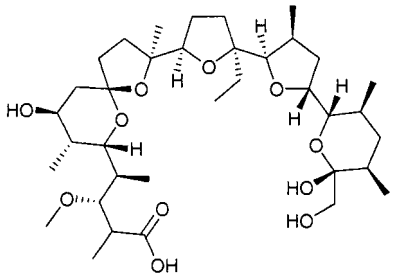


$C_{13}H_{11}ClN_2$
Aminacrine hydrochloride.
Acramine Yellow; 9-Acridinamine, monohydrochloride; Acridin-9-ylamine hydrochloride monohydrate; Acridine, 9-amino-,

hydrochloride; Acridine, 9-amino-, mono-hydrochloride; AI3-16947; Aminacrine hydrochloride; Aminoacridine hydrochloride; 5-Aminoacridine hydrochloride; 9-Aminoacridine hydrochloride; 9-Aminoacridinium chloride; Aminoakridin; Caswell No. 033A; CCRIS 3802; EINECS 205-145-5; EPA Pesticide Chemical Code 055503; HSDB 4505; Monacrin; Monacrin hydrochloride; Mycosert; NSC-7571; Quench; Acridinamine, monohydrochloride; Aminoacridine monohydrochloride; Aminoacridinium chloride; NSC-7571. Anti-infective, topical. Highly fluorescent. Crystals; mp = 241°; insoluble in H_2O, soluble in organic solvents; LD_{50} (mus orl) = 78 mg/kg. *Sterling Res. Labs.*

2566 Monensin

17090-79-8 6270 D G



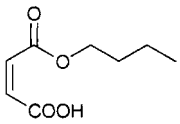
$C_{36}H_{62}O_{11}$

2-[2-Ethyloctahydro-3'-methyl-5'-[tetrahydro-6-hydroxy-6-(hydroxymethyl)-3,5-dimethyl-2H-pyran-2-yl][2,2'-bifuran-5-yl]]-9-hydroxy-β-methoxy-α,γ,2,8-tetramethyl-1,6-dioxapsiro[4.5]decan-7-butanoic acid.

63714; A 3823A; ATCC 15413; Coban (as sodium salt); EINECS 241-154-0; Elancoban; HSDB 7031; Lilly 673140; Monelan; Monensic acid; Monensin; Monensin A; Monensina; Monensinum; Rumensin (as sodium salt). Antibiotic produced by *Streptomyces cinnamonensis*. Antifungal, antibiotic and antiprotozoal. Solid; mp = 103-105°; $[\alpha]_D$ = 47.7°; slightly soluble in H_2O, more soluble in hydrocarbons, very soluble in organic solvents; LD_{50} (mus orl) = 43.8 ± 5.2 mg/kg, (chicks orl) = 284 ± 47 mg/kg. *Eli Lilly & Co.*

2567 Monobutyl maleate

925-21-3 H



$C_8H_{12}O_4$

2-Butenedioic acid (Z)-, monobutyl ester.

2-Butenedioic acid (Z)-, monobutyl ester; Butyl hydrogen maleate; EINECS 213-116-3; Maleic acid, monobutyl ester.

2568 Monochlorodifluoroethane

75-68-3 H

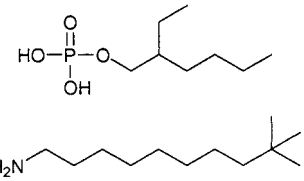
$C_2H_3ClF_2$

1-Chloro-1,1-difluoroethane.

4-01-00-00127 (Beilstein Handbook Reference); BRN 1731584; CFC 142b; Chlorodifluoroethane; Chloroethyl-idene fluoride; Chlorofluorocarbon 142b; Difluoro-1-chloroethane; EINECS 200-891-8; Ethane, 1-chloro-1,1-difluoro-; FC142b; Fluorocarbon 142b; Fluorocarbon FC142b; Freon 142; Freon 142b; Genetron 101; Genetron 142b; Gentron 142b; HCFC-142b; HSDB 2881; Hydrochlorofluorocarbon 142b; Isotron 142b; Monochlorodifluoroethane; Propellant 142b; R-142b; UN2517. Used as a refrigerant. Gas; mp = -130.8°; bp = -9.7°; d^{25} = 1.107; insoluble in H_2O, soluble in C_6H_6. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

2569 Mono(2-ethylhexyl)phosphate tert-dodecylamine salt

67763-14-8 H



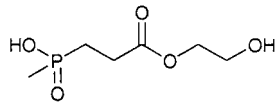
$C_{12}H_{27}N.xC_8H_{19}O_4P$

Phosphoric acid, mono(2-ethylhexyl) ester, compd. with tert-dodecanamine.

EINECS 267-037-4; 2-Ethylhexyl dihydrogen phosphate, compound with tert-dodecylamine; Mono(2-ethyl-hexyl)phosphate tert-dodecylamine salt; Phosphoric acid, mono(2-ethylhexyl) ester, compound with tert-dodecanamine.

2570 Mono(2-hydroxyethyl) 3-(hydroxymethylphosphinyl)propionate

68334-62-3 H



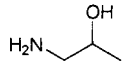
$C_6H_{13}O_5P$

Propanoic acid, 3-(hydroxymethylphosphinyl)-, mono(2-hydroxyethyl) ester.

EINECS 269-837-9; Mono(2-hydroxyethyl) 3-(hydroxymethylphosphinyl)propionate; Propanoic acid, 3-(hydroxymethylphosphinyl)-, mono(2-hydroxyethyl) ester.

2571 Monoisopropanolamine

78-96-6 H



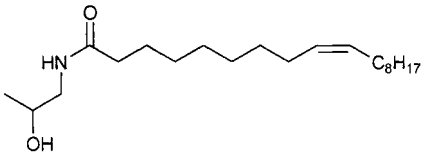
C_3H_9NO

1-Amino-2-propanol.

4-04-00-01665 (Beilstein Handbook Reference); AI3-14653; BRN 0605275; CCRIS 2284; EINECS 201-162-7; HSDB 5224; Isopropanolamine; Mipa; Mono-iso-propanolamine; Monoisopropanolamine; NSC 3188; Threamine. Used in personal care products and in manufacture of cement and concrete. Colorless liquid; mp = -2°; bp = 159.5°; d = 0.96; soluble in H_2O, organic solvents. *Dow Chem. U.S.A.*

2572 Monoisopropanolamine oleic acid amide

111-05-7 G



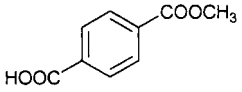
$C_{21}H_{41}NO_2$

9-Octadecenamide, N-(2-hydroxypropyl)-, (Z)-.

EINECS 203-828-2; N-(2-Hydroxypropyl)-9-octadecen-amide; N-(2-Hydroxypropyl)oleamide; Monoisopropanol-amine oleic acid amide; 9-Octadecenamide, N-(2-hydroxypropyl)-; 9-Octadecenamide, N-(2-hydroxy-propyl)-, (Z)-; 9-Octadecenamide, N-(2-hydroxypropyl)-, (9Z)-; Oleamide MIPA; Oleic monoisopropanolamide; Steinamid IPE 280; Witcamide® 61. Used as a hair conditioner, emulsifier, lubricant; cosmetics and toiletries. *CK Witco Corp.*

2573 Monomethyl terephthalate

1679-64-7 H



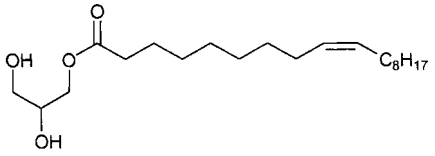
$C_9H_8O_4$

1,4-Benzenedicarboxylic acid, monomethyl ester.

Acetic acid, (4-carboxyphenyl)-; 1,4-Benzenedicarboxylic acid, monomethyl ester; 4-(Carbomethoxy)benzoic acid; p-Carboxy-α-toluic acid; EINECS 216-849-7; Homoterephthalic acid; HSDB 5849; Hydrogen methyl terephthalate; 4-Methoxycarbonylbenzoic acid; Methyl hydrogen terephthalate; Methyl terephthalate; Monomethyl terephthalate; NSC 210838; Terephthalic acid, monomethyl ester. Used as a plasticizer.

2574 1-Monoolein

111-03-5 G



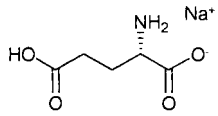
$C_{21}H_{40}O_4$

Glyceryl oleate.

Ablunol GMO; Aldo HMO; Aldo MO; Danisco MO 90; 2,3-Dihydroxypropyl oleate; EINECS 203-827-7; FEMA No. 2526; Glyceryl monooleate; Glycerin 1-monooleate; Glycerol α-monooleate; Glycerol α-cis-9-octadecenate; Glyceryl oleate; 1-Glyceryl oleate; 1-Mono(cis-9-octacenoyl)glycerol; Monoolein; α-Monoolein; 1-Monoolein; 1-Monooleoylglycerol; 1-Monooleoyl-rac-glycerol; 1-Oleoylglycerol; NSC 406285; 9-Octadecenoic acid, 2,3-dihydroxypropyl ester; 9-Octadecenenoic acid (Z)-, 2,3-dihydroxypropyl ester; 9-Octadecenoic acid (9Z)-, 2,3-dihydroxypropyl ester; 9-Octadecenoic acid, monoester with 1,2,3-propanetriol; Olein, 1-mono-; rac-1-Monoolein; rac-1-Monooleoylglycerol; Radiasurf® 7150; Witconol 2421; 1-Glyceryl oleate; Monoolein; 1-Monoolein.alpha.-Monoolein; 1-Monooleoylglycerol; 1-Oleoylglycerol; 1-Oleylglycerol. Internal lubricant for PVC; biodegradable surfactant, wetting agent, emulsifier for cosmetics, pharmaceuticals, agriculture, chemical synthesis, explosives, polymers, glass fibers, surface coatings, textiles and leather. Used as a defoamer, oil-water emulsifier, lubricant and moisture barrier. Oil; mp = 35°; bp3 = 238-240°; d^{20} = 0.9420; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$. *CK Witco Corp.; Fina Chemicals; Taiwan Surfactants.*

2575 Monosodium glutamate

142-47-2 6278 G



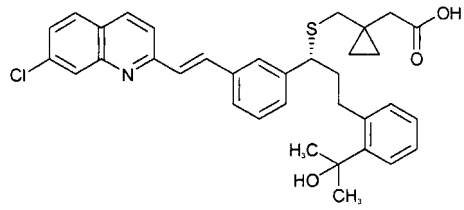
$C_5H_8NNaO_4.H_2O$

Glutamic acid monosodium salt.

Accent; Accent (food additive); AI3-18393; Ajinomoto; Ancoma; CCRIS 3625; Chinese seasoning; EINECS 205-538-1; FEMA No. 2756; Glutacyl; Glutamat sodny; Glutamate monosodium salt; Glutamate Sodium; Glutamic acid, monosodium salt; Glutamic acid, sodium salt; Glutamic acid, L-, sodium salt; L-Glutamic acid sodium salt; Glutammato monosodico; Glutavene; HSDB 580; Monosodioglutammato; Monosodium glutamate; Monosodium L-glutamate; MSG; Natrium L-hydrogenglutamat; Natriumglutaminat; NSC 135529; RL-50; Sodium glutamate; Sodium hydrogen glutamate; Sodium L-glutamate; Vetsin; Zest. Flavor enhancer for foods. Crystals; mp = 232° (dec); $[\alpha]_D^{20}$ = 25° (c = 5 1N HCl); soluble in H_2O. *Ajinomoto Co. Inc.; Allchem Ind.; Asahi Chem. Industry; Lancaster Synthesis Co.; Penta Mfg.*

2576 Montelukast

158966-92-8 6281 D



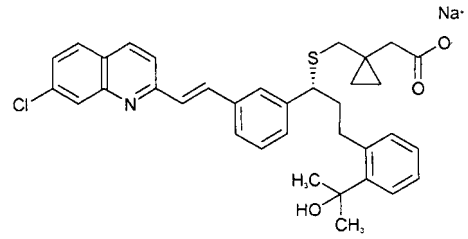
$C_{35}H_{36}ClNO_3S$

1-[[[(R)-m-[(E)-2-(7-Chloro-2-quinolyl)vinyl]-α-[o-(1-hydroxy-1-methylethyl)phenethyl]benzyl]thio]methyl]-cyclopropane acetic acid.

Montelukast. Selective leukotriene D4 receptor antagonist. Used as an antiasthmatic. *Merck & Co.Inc.*

2577 Montelukast sodium

151767-02-1 6281 D



$C_{35}H_{35}ClNNaO_3S$

Sodium 1-[[[(R)-m-[(E)-2-(7-chloro-2-quinolyl)vinyl]-α-[o-(1-hydroxy-1-methylethyl)phenethyl]benzyl]thio]methyl]-cyclopropaneacetate.

MK 476; Montelukast monosodium salt; Montelukast sodium; Singulair. Selective leukotriene D4 receptor antagonist. Used as an antiasthmatic. *Merck & Co.Inc.*

2578 Montmorillonite

1318-93-0 6283 G

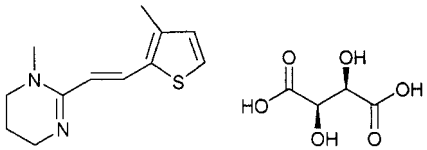
$HAlSi_2O_6$

White montmorillonite.

Alabama Blue Clay; Albagen 4439; AMS (mineral); Arcillite; Bedelix; Ben-A-Gel; Ben-A-Gel EW; Benclay MK 101; Bentolite; Bentolite L 3; BPW 009; BPW 009-3; BPW 009-10; BPW 015-10; Brock; Deriton; DH 1; DH 1 (catalyst); DH 2; Dis-Thix Extra; EINECS 215-288-5; Envirobent; Flygtol GA; Furonaito 101; Furonaito 113; Galleonite 136; Gelwhite GP; Gelwhite H; Gelwhite L; Hydrocol 2D1; Imvite E; Imvite K; K 10 (clay); K 129; KM 1 (mineral); Kunipia G; Kunipia G 4; Kunipia TO; Lavioplast C; Metaloid; Mineral Colloid BP; Montmorillonite; Montmorillonite ($AlH(SiO_3)_2$); Mont-morillonite ($HAlSi_2O_6$); Montmorillonite K 10; Montmorillonite KSF; Neokunibond; Optigel CL; Osmos N. Major constituent of Bentonite and Fuller's earth. Used as a binder and plasticizer for ceramic formulations; ion exchange builder in detergents; thixotropic agent for liq. soaps; flocculant for water treatment. Industrial chromatographic techniques White powder; bulk d = 300-370 g/l. *Kaopolite.*

2579 Morantel tartrate

26155-31-7 6289 G V



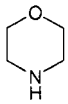
$C_{12}H_{16}N_2S.C_4H_6O_6$

(E)-1,4,5,6-tetrahydro-1-methyl-2-[2-(3-methyl-2-thienyl)ethenyl]pyrimidine tartrate.

AI3-29747; Banminth II; CP 12009-18; EINECS 247-481-5; Morantel tartrate; Paratect; Pyrimidine, 1,4,5,6-tetrahydro-1-methyl-2-(2-(3-methyl-2-thienyl)ethenyl)-, (E)-, (R-(R*,R*))-2,3-dihydroxybutanedioate (1:1); Pyr-imidine, 1,4,5,6-tetrahydro-1-methyl-2-(2-(3-methyl-2-thi-enyl)vinyl)-, (E)-, tartrate (1:1); (E)-1,4,5,6-Tetrahydro-1-methyl-2-(2-(3-methyl-2-thienyl)vinyl)pyrimidine tartrate (1:1); Thelmesan; Suiminth. Anthelmintic.

2580 Morpholine

110-91-8 6303 G H



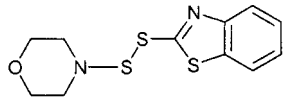
C_4H_9NO

Tetrahydro-1,4-isoxazine.

4-27-00-00015 (Beilstein Handbook Reference); AI3-01231; BASF 238; BRN 0102549; Caswell No. 584; CCRIS 2482; Diethylene imidoxide; Diethylene oximide; Diethylenimide oxide; Drewamine; EINECS 203-815-1; EPA Pesticide Chemical Code 054701; HSDB 102; p-Isoxazine, tetrahydro-; Morpholine; NSC 9376; Tetrahydro-1,4-isoxazine; Tetrahydro-p-oxazine; UN2054. Used as a rubber accelerator; solvent; additive to boiler water; optical brightener for detergents; corrosion inhibitor; organic intermediate. Liquid; mp ▪ -4.9°; bp = 128°; d^{20} = 1.0005; very soluble in H_2O, soluble in EtOH, Et_2O, Me_2CO; LD_{50} (rat orl) = 1.05 g/kg. *Air Products & Chemicals Inc.; BASF Corp.; Nippon Nyukazai; PMC; Texaco.*

2581 2-(4-Morpholinyldithio)benzothiazole

95-32-9 G H



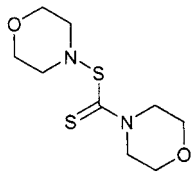
$C_{11}H_{12}N_2OS_3$

Benzothiazole, 2-(4-morpholinyldithio)-.

4-27-00-01864 (Beilstein Handbook Reference); Accel DS; AI3-27133; Benzothiazole 2-(4-morpholinyl); Benzothiazole, 2-(4-morpholinyldithio); BRN 0222552; Disulfal MG; EINECS 202-410-7; HSDB 5289; Morfax; Morpholino 2-benzothiazolyl disulfide; N-Morpholinyl-2-benzothiazolyl disulfide; Nocceler MDB; NSC 519695; N-Oxydiethyl-2-benzthiazolsulfenamid; Sulfenax mob; Vulcuren 2. An accelerator for natural rubber, isoprene butadiene, styrene-butadiene, and nitrile-butadiene rubber products; provides good curing activity; suggested for tires and mechanical goods requiring maximum strength and quality. *Goodyear Tire & Rubber.*

2582 4-((4-Morpholinylthio)thioxomethyl)-morpholine

13752-51-7 H



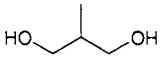
$C_9H_{16}N_2O_2S_2$

Morpholine, 4-((4-morpholinylthio)thioxomethyl)-.

Accelerator otos; BRN 1214828; Cure-Rite 18; EINECS 237-335-9; Morpholine, 4-((4-morpholinylthio)thioxo-methyl)-; Morpholine, 4-((morpholinothiocarbonyl)thio)-; 4-((Morpholinothio)thioxomethyl)morpholine; 4-((Morph-olinothiocarbonyl)thio)morpholine; OTOS; N-Oxydi-ethylene thiocarbamyl-N'-oxydiethylene sulfenamide.

2583 MP Diol Glycol

2163-42-0 G



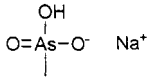
$C_4H_{10}O_2$

2-Methyl-1,3-propanediol.

Propane-1,3-diol, 2-methyl-. Used in unsaturated polyesters, gel coats, saturated polyester and alkyd coatings, plasticizers. *Arco.*

2584 MSMA

2163-80-6 6020 G H P



CH_4AsNaO_3

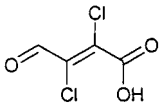
Monosodium methylarsonate.

Ansar; Ansar 170; Ansar 170L; Ansar 529; Ansar 529 HC; Ansar 6.6; Arsonate Liquid; Arsonic acid, methyl-, monosodium salt; Asazol; Bueno; Bueno 6; Caswell No. 582; CCRIS 4676; Daconate; Daconate 6; Dal-E-Rad; Dal-E-Rad 120; Drexar; Drexar 530; EINECS 218-495-9; EPA Pesticide Chemical Code 013803; Gepiron; Herb-All; Herban M; HSDB 754; Merge; Merge 823; Mesamate; Mesamate-400; Mesamate-600; Mesamate concentrate; Mesamate H.C.; Methanearsonic acid, monosodium salt; Methylarsenic acid, sodium salt; Methylarsonat monosodny;

Methylarsonic acid, sodium salt; Monate; Monex; Monoban; Monomethylarsonic acid sodium salt; Monosodium acid methanearsonate; Monosodium acid metharsonate; Monosodium methanearsenate; Monosodium methanearsonic acid; Monosodium methylarsonate; MSMA; NCI-C60071; Neoarsycodyl; Phyban; Phyban H.C.; Silvisar 550; Sodium acid methanearsonate; Sodium hydrogen methylarsonate; Sodium methanearsonate; Sodium methylarsonate; Super Arsonate; Target MSMA; Trans-vert; Versar; Weed 108; Weed-E-Rad; Weed-Hoe-108; Weed-Hoe; Neoarsycodyl; monosodium methylarsonate; monosodium methanearsonate. Selective contact herbicide with some systemic properties. Used in post-emergence control of grass weeds in cotton, sugar cane and under trees, as a herbicide on turf to control established crabgrass, dollis grass, and nutselse. Colorless crystals; mp = 113 - 116° (sesquihydrate), mp = 132 - 139° (hexahydrate); soluble in H_2O (140 g/100 ml (anhydrous); soluble in MeOH, insoluble in most organic solvents; LD_{50} (rat orl) = 900 mg/kg; LC_{50} (bluegill sunfish 48 hr.) > 1000 mg/l. *American Brand Chemical Co.; Bayer Corp.; Drexel Chemical Co.; Earth Care; Fermenta; Inter-Ag; KMG-Bernuth Inc.; Lawn & Garden Products Inc.; Luxembourg-Pamol, Inc.; PBI/Gordon Corp; Shinung; UAP - Platte Chemical; Vertac; Vineland Lab.*

2585 Mucochloric acid

87-56-9 6323 H



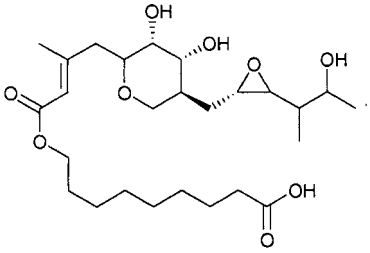
$C_4H_2Cl_2O_3$

2-Butenoic acid, 2,3-dichloro-4-oxo-, (2Z)-.

4-03-00-01720 (Beilstein Handbook Reference); Acrylic acid, 2,3-dichloro-3-formyl-; AI3-26601; Aldehydodi-chloromaleic acid; BRN 1705641; CCRIS 6597; Dichloromalealdehydic acid; EINECS 201-752-4; Kyselina mukochlorova; Malealdehydic acid, dichloro-4-oxo-, (Z)-; Malealdehydic acid, dichloro-; Mucochloric acid; NSC 15905. Prisms; mp = 127°; slightly soluble in H_2O, organic solvents; LD_{50} (rat orl) = 500 - 1000 mg/kg, (rat ip) = 10 - 25 mg/kg.

2586 Mupirocin

12650-69-0 6327 D



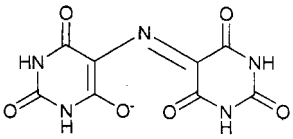
$C_{26}H_{44}O_9$

(E)-(2S,3R,4R,5S)-5-([(2S,3S,4S,5S)-2,3-Epoxy-5-hydroxy-4-methylhexyl]tetrahydro-3,4-dihydroxy-β-methyl-2H-pyran-2-crotonic acid ester with 9-hydroxynonanoic acid.

Bactoderm; Bactroban; BRL 4910A; Mupirocin; Mupirocina; Mupirocine; Mupirocinum; Plasimine; Pseudomonic acid; Pseudomonic acid A; Turixin. Antibacterial. Crystals; mp = 77-78°; $[\alpha]_D^{20}$ = -19.3° (c = 1 MeOH); λ_m 222 nm (ε 14500 EtOH). *SmithKline Beecham Pharm.*

2587 Murexide

3051-09-0 6330 G



NH_4^+

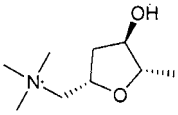
$C_8H_8N_6O_6$

5-[(Hexahydro-2,4,6-trioxo-5-pyrimidinyl)imino]-2,4,6(1H,3H,5H)-pyrimidinetrione monoammonium salt.

Ammonium purpurate; Ammonium salt purpuric acid; Ammonium 5-(2,4,6-trioxoperhydropyrimidin-5-ylidene-amino)barbiturate; Barbituric acid, 5,5'-nitrilodi-, monoammonium salt; EINECS 221-266-6; Murexide; Naples red; NSC 215208; 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-((hexahydro-2,4,6-trioxo-5-pyrimid-inyl)imino)-, monoammonium salt. A red basic dyestuff, now obsolete, obtained by the action of nitric acid upon guano, and subsequently treating the product with ammonia. Used as an indicator in complexometric titrations. Crystals; slightly soluble in H_2O, insoluble in organic solvents; λ_m = 520 nm (H_2O).

2588 Muscarine

300-54-9 6334 D G



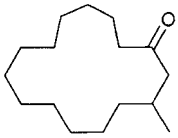
$[C_{79}H_{20}NO_2]^+$

[2S-(2α,4β,5α)]-tetrahydro-4-hydroxy-N,N,N,5-tetramethyl-2-furanmethanaminium.

Ammonium, trimethyl(tetrahydro-4-hydroxy-5-methyl-furfuryl)-; EINECS 206-094-1; 2-Furanmethanaminium, tetrahydro-4-hydroxy-N,N,N,5-tetramethyl-, (2S-2α,4β,5α)}-; D-ribo-Hexitol, 2,5-anhydro-1,4,6-trideoxy-6-(trimethyl)ammonio}-; Muscarin; Muscarine; (+)-Muscarine; L-(+)-Muscarine; (+)-(2S,4R,5S)-Muscarine; Muskarin; (2S-(2α,4β,5α))-(Tetrahydro-4-hydroxy-5-methylfurfuryl)trimethylammonium. Toxic principle of the mushroom *Amanita muscaria*. Cholinergic agent. [chloride]: mp = 180-181°; $[\alpha]_D^{25}$ = 8.1° (c = 3.5 EtOH); soluble in H_2O, EtOH; less soluble in Et_2O, $CHCl_3$, Me_2CO; LD_{50} (mus iv) = 0.23 mg/kg.

2589 Muscone

541-91-3 6337 G



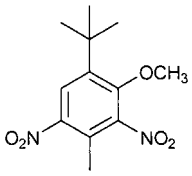
$C_{16}H_{30}O$

3-Methylcyclopentadecanone.

AI3-38746; Cyclopentadecanone, 3-methyl-; EINECS 208-795-8; FEMA No. 3434; HSDB 1219; 3-Methyl-1-cyclopentadecanone; 3-Methylcyclopentadecanone; 3-Methylcyclopentadecan-1-one; 3-Methylcyclopenta-decanone, dl-; 5-Methyl-1-cyclopentadecanone; Methyl-exaltone; Moschus ketone; Muscone; Muskone. Odiferous secretion of the musk. No longer used in perfumery. Liquid; bp = 328°; $bp_{0.5}$ = 130°; $[\alpha]_D^{17}$ = -13°; insoluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO.

2590 Musk ambrette

83-66-9 G



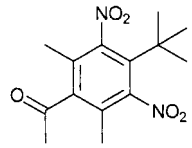
$C_{12}H_{16}N_2O_5$

2,6-Dinitro-3-methoxy-1-methyl-4-t-butylbenzene.

4-06-00-03402 (Beilstein Handbook Reference); AI3-02439; Amber musk; Ambrette musk; Anisole, 6-t-butyl-3-methyl-2,4-dinitro-; Artificial musk ambrette; Benzene, 1-(1,1-dimethylethyl)-2-methoxy-4-methyl-3,5-dinitro-; BRN 1889437; 4-t-Butyl-3-methoxy-2,6-dinitrotoluene; 4-t-Butyl-3-methoxy-1-methyl-2,6-dinitrobenzene; 6-t-But-yl-3-methyl-2,4-dinitroanisole; CCRIS 2390; 1-(1,1-Di-methylethyl)-2-methoxy-4-methyl-3,5-dinitrobenzene; 2,4-Dinitro-3-methyl-6-t-butylanisole; 2,6-Dinitro-3-methoxy-4-t-butyltoluene; EINECS 201-493-7; 4-Methoxy-1,3-dinitro-2-methyl-5-t-butylbenzene; Musk ambrette; NSC 46122; Synthetic musk ambrette. Used in perfumery. Yellow leaflets; mp ▪ 85°; bp^{16} = 185°, bp = 135°; λ_m = 265 nm (MeOH); insoluble in H_2O, poorly soluble in EtOH, soluble in Et_2O, $CHCl_3$.

2591 Musk ketone

81-14-1 G



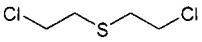
$C_{14}H_{18}N_2O_5$

4-t-Butyl-2,6-dimethyl-3,5-dinitroacetophenone.

4-07-00-00808 (Beilstein Handbook Reference); Aceto-phenone, 4'-t-butyl-2',6'-dimethyl-3',5'-dinitro-; 2-Acetyl-5-t-butyl-4,6-dinitroxylene; AI3-02440; BRN 2062638; 4-t-Butyl-3,5-dinitro-2,6-dimethylaceto-phenone; 4'-t-Butyl-2',6'-dimethyl-3',5'-dinitroaceto-phenone; CCRIS 4677; 1-(4-(1,1-Dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl)-ethanone; 2,6-Dinitro-3,5-di-methyl-4-acetyl-t-butyl-benzene; 3,5-Dinitro-2,6-di-methyl-4-t-butylacetophen-one; EINECS 201-328-9; Ethanone, 1-(4-(1,1-dimethyl-ethyl)-2,6-dimethyl-3,5-dinitrophenyl)-; Musk ketone; NSC 15339; Acetophenone, 4'-t-butyl-2',6'-dimethyl-3',5'-dinitro-; 1-Acetyl-4-t-butyl-2,6-dimethyl-3,5-dinitro-benzene; 4-t-Butyl-2,6-dimethyl-3,5-dinitro-acetophen-one; 4'-t-Butyl-2',6'-dimethyl-3',5'-dinitro-acetophenone; 1-[4-(1,1-Dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]-ethanone. An artificial musk perfume. Solid; mp = 138-140°. *AM Aromatics Pvt, Ltd.; Zhejiang Winsun Imp. And Exp. Co., Ltd.*

2592 Mustard gas

505-60-2 6340 G



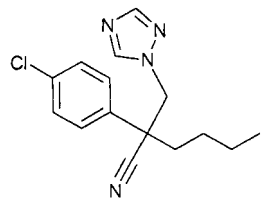
$C_4H_8Cl_2S$

1,1'-Thiobis[2-chloroethane].

4-01-00-01407 (Beilstein Handbook Reference); Bis(β-chloroethyl)sulfide; Bis(β-chloroethyl)sulphide; Bis(2-chloroethyl) sulfide; Bis(2-chloroethyl)sulphide; BRN 1733595; CCRIS 570; 1-Chloro-2-(β-chloroethylthio)-ethane; β,β-Dichlor-ethyl-sulphide; β,β'-Dichloroethyl sulphide; 2,2'-Dichlorodiethyl sulfide; 2,2'-Dichlorodiethyl sulphide; 2,2'-Dichloroethyl sulfide; 2,2'-Dichloroethyl sulphide; Di-2-chloroethyl sulfide; Di-2-chloroethyl sulphide; Diethyl sulfide, 2,2'-dichloro; Distilled mustard; Ethane, 1,1'-thiobis(2-chloro-; Gelbkreuz; HD; HS; HSDB 336; Iprit; Kampstoff lost; Lost; Mustard gas; Mustard HD; Mustard, sulfur; Mustard vapor; S-lost; S mustard; S-Yperite; Schwefel-lost; Senfgas; Sulfide, bis(2-chloroethyl); Sulfur mustard; Sulfur mustard gas; Sulphur mustard; Sulphur mustard gas; 1,1'-Thiobis(2-chloroethane); UN 2927; Yellow cross liquid; Yellow Cross Gas; Yperite. Used as a military poison gas. Inactivated by sodium or calcium hypochlorite. Gas; mp ▪ 13-14°; bp = 216°, bp_{10} = 98°; d_4^{20} = 1.2741; LD_{50} (rat iv) = 3.3 mg/kg.

2593 Myclobutanil

88671-89-0 6346 G P



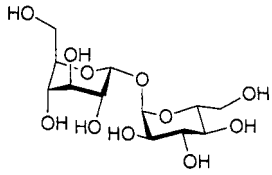
$C_{15}H_{17}ClN_4$

α-Butyl-α-(4-chlorophenyl)-1H-1,2,4-triazole-1-propane-nitrile.

2-(4-Chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hex-anenitrile; 2-p-Chlorophenyl-2-(1H-1,2,4-triazol-1-yl-methyl)hexanenitrile; Caswell No. 723K; EPA Pesticide Chemical Code 128857; HOE 39304F; HSDB 6708; Myclobutanil; Nova (pesticide); Nova W; Nu-Flow M; Rally; RH 3866; RH-53,866; Systhane; Systhane 6 Flo; 1H-1,2,4-Triazole-1-propanenitrile, α-butyl-α-(4-chloro-phenyl)-. Systemic fungicide with protective and curative action. Used in control of Ascomycetes, Fungi Imperfecti and Basidomycetes in a wide variety of crops. Registered by EPA as a fungicide. Yellow crystals; mp = 63-68°; bp_1 = 202-208°; soluble in H_2O (0.0142 g/100ml), polar organic solvents; LD_{50} (mrat orl) = 1600 mg/kg, (frat orl) = 2229 mg/kg, (rbt der) = 7500 mg/kg, (bobwhite quail orl) ▪ 510 mg/kg, (grey partridge orl) = 635 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 2.4 mg/l, (rainbow trout 96 hr.) = 4.2 mg/l, (*Daphnia* 48 hr.) = 11 mg/l; non-toxic to bees. *Andersons Lawn Fertilizer Div. Inc.; Chemisco; Dow AgroSciences; Hoechst UK Ltd.; Pan Britannica Industries Ltd.; Rohm & Haas Co.*

2594 Mycose

99-20-7 9655 G



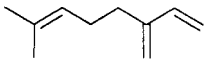
$C_{12}H_{22}O_{11}$

Trehalose.

'α-D-Glucopyranoside, α-D-glucopyranosyl; EINECS 202-739-6; Ergot sugar; Mycose; Natural trehalose; NSC 2093; Trehalose; α-D-Trehalose; Trehalose dihydrate. Used in biochemical research. Crystals; mp ▪ 203°; d^{24} ▪ 1.58; $[\alpha]_D^{20}$ = 199° (H_2O, c = 6); soluble in H_2O, EtOH, less soluble in Et_2O, C_6H_6.

2595 Myrcene

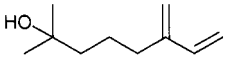
123-35-3 6356 H



$C_{10}H_{16}$
7-Methyl-3-methylene-1,6-octadiene.
4-01-00-01108 (Beilstein Handbook Reference); AI3-00738; BRN 1719990; CCRIS 3725; EINECS 204-622-5; FEMA No. 2762; HSDB 1258; 7-Methyl-3-methyl-eneocta-1,6-diene; Myrcene; β-Myrcene; NSC 406264. Liquid; bp = 167°; d^{15} = 0.8013; λ_m = 225 nm (ε = 17378, EtOH); insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, AcOH.

2596 Myrcenol

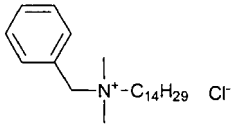
543-39-5 H



$C_{10}H_{18}O$
3-Methylene-7-methyl-1-octen-7-ol.
4-01-00-02280 (Beilstein Handbook Reference); 7-Octen-2-ol, 2-methyl-6-methylene-; 7-Octen-2-ol, 2-methyl-6-methylene-; BRN 1744474; EINECS 208-843-8; 3-Methylene-7-methyl-1-octen-7-ol; 2-Methyl-6-methyl-eneoct-7-en-2-ol; Myrcenol.

2597 Myristalkonium chloride

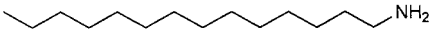
139-08-2 G



$C_{23}H_{42}ClN$
Benzyldimethylmyristylammonium chloride.
Ammonium, benzyldimethyltetradecyl-, chloride; Arquad DM14B-90; Barquat MB 50; Barquat MS 100; Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride; Benzyldimethyltetradecylammonium chloride; N-Benzyl-N-tetradecyldimethylammonium chloride; BTC 824P100; Chlorur de miristalkonium; Cloruro de miristalkonio; Dibactol; Dimethylbenzylmyristyl-amm-onium chloride; Dimethylbenzyltetradecyl-ammonium chloride; N,N-Dimethyl-N-tetradecylbenzenemethan-aminium chloride; EINECS 205-352-0; Faringets; HSDB 5627; JAQ Powdered Quaternary; Miristalkonii chloridum; Miristalkonium chloride; Myristalkonium chloride; Myristyldimethylbenzyl-ammonium chloride; Nissan cation M2-100; Quarton 14 BCL; Quaternario 14B; Sanibond 200lg; Tetradecylbenzyldimethyl-ammonium chloride; Tetra-decyl-dimethyl-benzyl-amm-onium chloride; Trimethyl tetradecylphenyl ammonium chloride; Zephiramine; Zephiramine chloride; Zephir-amine; Benzenemethan-aminium, N,N-dimethyl-N-tetra-decyl-, chloride; C_{14} benzyl dimethyl ammonium chloride; C_{14} dimethyl benzyl ammonium chloride; Benz-enemethaminium, N-tetradecyl-N,N-dimethyl, chloride; Benzyl dimethyl tetradecyl ammonium chloride; C_{14}-alkylbenzyl-dimethylammonium chloride; Roccal MC-14; Tetradecyl dimethyl benzyl ammonium chloride. Used in formulation of disinfectants, sanitizers, and swimming pool algicides. White solid; Soluble in H_2O. *Huntington Professional Products.*

2598 Myristamine

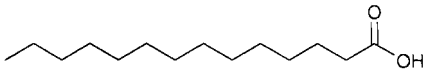
2016-42-4 G



$C_{14}H_{31}N$
1-Tetradecylamine.
4-04-00-00812 (Beilstein Handbook Reference); AI3-15076; Alamine 5D; Amine 14D; 1-Aminotetradecane; Armeen 14; BRN 1633740; EINECS 217-950-9; Monotetradecylamine; Myristylamine; NSC 66437; Tetradecanamine; 1-Tetradecanamine; Tetradecylamine; n-Tetradecylamine. Emulsifier; chemical intermediate; quaternized end products used as bactericides. Solid; mp = 83.1°; bp = 291.2°; d^{20} = 0.8079; insoluble in H_2O, soluble in Me_2CO, very soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$. *Berol Nobel AB.*

2599 Myristic acid

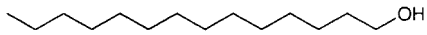
544-63-8 6359 G H



$C_{14}H_{28}O_2$
n-Tetradecanoic acid.
4-02-00-01126 (Beilstein Handbook Reference); AI3-15381; BRN 0508624; C_{14} fatty acid; CCRIS 4724; Crodacid; EINECS 208-875-2; Emery 655; FEMA No. 2764; HSDB 5686; Hydrofol acid 1495; Hystrene 9014; Myristic acid; Neo-fat 14; NSC 5028; Philacid 1400; Tetradecanoic acid; n-Tetradecanoic acid; n-Tetradecan-1-oic acid; Tetradecoic acid; n-Tetradecoic acid; Univol U 316S. Detergent surfactant. Organic acid used in the manufacture of soaps, cosmetics, synthesis of esters for flavors and perfumes; component of food-grade additives. Leaflets; mp = 53.9°; bp_{100} = 250°; λ_m = 210 nm (ε = 71, C_7H_{16}); insoluble in H_2O, slightly soluble in Et_2O, soluble in EtOH, MeOH, Me_2CO, $CHCl_3$; very soluble in C_6H_6; LD_{50} (mus iv) = 432.6 mg/kg. *Akzo Chemie; Henkel/Emery; Mirachem Srl.; Sigma-Aldrich Fine Chem.; Unichema; Witco/Humko.*

2600 Myristyl Alcohol

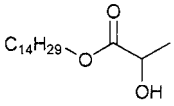
112-72-1 6361 G H



$C_{14}H_{30}O$
1-Tetradecanol.
4-01-00-01864 (Beilstein Handbook Reference); AI3-00943; Alcohol C_{14}; Alfol 14; BRN 1742652; C_{14} alcohol; Dehydag® Wax; Dytol R-52; EINECS 204-000-3; EPA Pesticide Chemical Code 001510; Fatty alcohol(C14); HSDB 5168; Lanette® K; Lanette® Wax KS; Lanette® 14; Loxanol V; Myristic alcohol; Nacol® 14-95; Nacol® 14-98; NSC 8549; Tetradecanol; Tetradecan-1-ol; 1-Tetradecanol; n-Tetradecanol; n-Tetradecanol-1; n-Tetradecyl alcohol; Tetradecyl alcohol; Unihydag Wax 14. Surfactant intermediate; organic synthesis; antifoam agent; perfume fixative for soaps and cosmetics; specialty cleaning preparations; emollient for cold creams.Registered by EPA as an insecticide. Leaflets; mp = 39.5°; bp = 289°; d^{38} = 0.8236; insoluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$. *Amoco Lubricants; Condea Vista Co.; Condor; Greeff R.W. & Co.; Michel M.; Ruger; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

2601 Myristyl lactate

1323-03-1 G



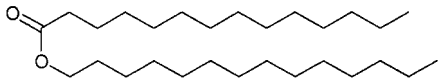
$C_{17}H_{34}O_3$

Tetradecyl 2-hydroxypropanoate.

AI3-14482; EINECS 215-350-1; 2-Hydroxypropanoic acid, tetradecyl ester; Myristyl lactate; Propanoic acid, 2-hydroxy-, tetradecyl ester; Tetradecyl 2-hydroxy-propanoate; Tetradecyl lactate; Wickenol® 506. Mixture of o, m and p-isomers. Emollient with smooth, satiny afterfeel. Imparts lubricity and sheen to cosmetic and pharmaceutical preparations. *CasChem; Dinoval.*

2602 Myristyl myristate

3234-85-3 G



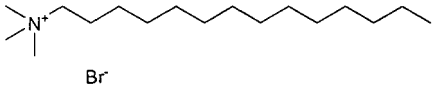
$C_{28}H_{56}O_2$

Tetradecyl tetradecanoate.

3-10-00-01641 (Beilstein Handbook Reference); BRN 1801576; Ceraphyl 424; Cyclochem MM; EINECS 221-787-9; Myristic acid, tetradecyl ester; Myristyl myristate; Tetradecanoic acid, tetradecyl ester; Tetradecyl myristate; Waxenol® 810. Emollient with unusual afterfeel; especially for stick preparations. *CasChem.*

2603 Myrtrimonium bromide

1119-97-7 6362 G



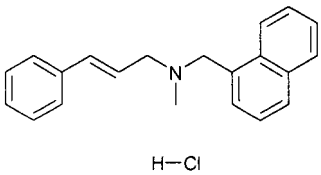
$C_{17}H_{38}BrN$

N,N,N-Trimethyl-1-tetradecanaminium bromide.

Ammonium, tetradecyltrimethyl-, bromide; Ammonium, trimethyltetradecyl-, bromide; Bromure de tetradonium; Bromuro de tetradonio; EINECS 214-291-9; Morpan T; Myristyl trimethyl ammonium bromide; Myristyltrimethyl-ammonium bromide; Myrtrimonium bromide; Mytab; Quaternium 13; Rhodaquat® M214B/99; Sumquat® 6110; 1-Tetradecanaminium, N,N,N-trimethyl-, bromide; Tetradecyltrimethylammonium bromide; Tetradonii bromidum; Tetradonio bromuro; Tetradonium bromide; Trimethylmyristylammonium bromide; Trimethyltetradecylammonium bromide; N,N,N-Trimethyl-1-tetradecanaminium bromide. A cationic germicidal detergent, disinfectant and deodorant. A conditioner with superior antistatic properties and light feel. Solid; mp = 245-250°; soluble in H_2O (20 g/100 ml); LD_{50} (rat iv) = 15 mg/kg. *Hexcel; Rhône Poulenc Surfactants.*

2604 Naftifine

65473-14-5 6381 G



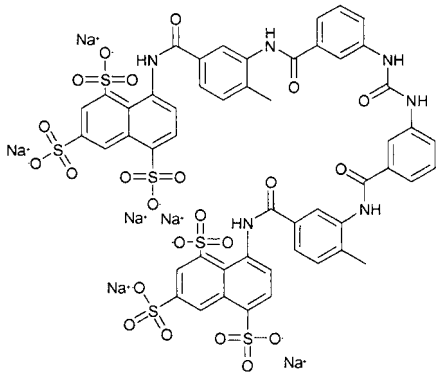
$C_{21}H_{22}ClN$

(E)-N-Methyl-N-(3-phenyl-2-propenyl)-1-naphthalene-methanamine.

AW 105-843; AW 105843; (E)-N-Cinnamyl-N-methyl-1-naphthalenemethylamine hydrochloride; Exoderil; (E)-N-Methyl-N-(1-naphthylmethyl)-3-phenyl-2-propen-1-amine-hydrochloride; Naftifine hydrochloride; Naftin; 1-Naphthalenemethanamine, N-methyl-N-(3-phenyl-2-propenyl)-, hydrochloride, (E)-; SN 105843; N-methyl-N-(1-naphthylmethyl)-3-phenylpropen-1-amine; naftifung-in(E)-N-cinnamyl-N-methyl-1-naphthalenemethyl-amine. Squalene epoxidase inhibitor. Blocks ergosterol biosynthesis and is used as a topical antifungal. Colorless oil; bp_{11} ▪ 162-167°. *Sandoz Pharm. Corp.*

2605 Naganol

129-46-4 9096 D G V



$C_{51}H_{34}N_6Na_6O_{23}S_6$

8,8'-[carbonylbis[imino-3,1-phenylenecarbonylimino(4-methyl-3,1-phenylene)carbonylimino]]bis-1,3,5-naph-thalenetrisulfonic acid hexasodium salt.

309 F; Antrypol; BAY 205; Bayer 205; 1-(3-Benzamido-4-methylbenzamido)naphthalene-4,6,8-trisulfonic acid; EINECS 204-949-3; Fourneau 309; Germanin; Moranyl; Naganin; Naganine; Naganinum; Naganol; Naphuride sodium; 1,3,5-Naphthalenetrisulfonic acid, 8,8'-(carbonylbis(imino-3,1-phenylenecarbonylimino(4-methyl-3,1-phenylene)carbonylimino))bis-, hexasodium salt; NF060; NSC 34936; SK 24728; Sodium suramin; Suramin Hexasodium; Suramin sodium; Suramina sodica; Suramine sodique; Suramine sodium; Suraminum natricum; sym-3"-urea sodium salt. Veterinary preparation; for the control of trypanosomiasis of domestic animals. Solid; Soluble in H_2O, insoluble in organic solvents; LD_{50} (mus iv) = 620 mg/kg. *Bayer AG.*

2606 Naphtha

8030-30-6 7265 H

Naphtha.

Amsco H-J; Amsco H-SB; Aromatic solvent; Benzin; Benzin B70; Benzine; Benzyna DO lakierow C; Coal tar; EINECS 232-443-2; Herbitox; Hi-flash naphthayethylen; HI-Flash naphtha; HSDB 2892; Hydrotreated naphtha; Light ligroin; Mineral spirits; Mineral spirits No. 10; Mineral thinner; Mineral turpentine; Naphtha; Naphtha 49 degree be-coal tar type; Naphtha, hydrotreated; Naphtha, petroleum; Naphtha VM & P; Naphtha VM & P, high flash; Naphtha VM & P, regular; Naphtha VM & P, 50 degree flash; Petroleum benzin; Petroleum-derived naphtha; Petroleum distillates (naphtha); Petroleum ether; Petroleum, light; Petroleum naphtha; Rubber solvent; Rubber solvent (Naphtha); Skelly-solve H; Skelly-solve R; Skelly-solve S; Skelly-solve S-66; Solvent naphtha; Super VMP; Unleaded gasoline; Varsol; VM & P Naphtha; White spirit. Used as a fuel and solvent. Has been used medicinally as a counter-irritant. Colorless liquid; bp = 35-80°; d = 0.625-0.660; insoluble in H_2O, soluble in organic solvents.

2607 Naphtha

8052-41-3 6223 H

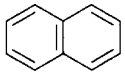
Naphtha, solvent.

Caswell No. 802; EINECS 232-489-3; EPA Pesticide Chemical Code 063504; Mineral spirits Type I; Naphtha, solvent; Naphtha,

Stoddard solvent; Organic solvents, Stoddard solvent; Petroleum distillates; Solvents, naphthas; Stoddard solvent; White spirit; White spirits. Used as a solvent and pain thinner. Liquid; bp = 149°; $d^{15.6}$ = 0.754-0.820.

2608 Naphthalene

91-20-3 6396 D G H



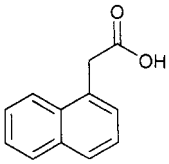
$C_{10}H_8$

Naphthalene.

AI3-00278; Albocarbon; Camphor tar; Caswell No. 587; CCRIS 1838; Dezodorator; EINECS 202-049-5; EPA Pesticide Chemical Code 055801; HSDB 184; Mighty 150; Mighty RD1; Moth balls; Moth flakes; Naftalen; Naphtalene; Naphthalene; Naphthalin; Naphthaline; Naphthene; NCI-C52904; NSC 37565; RCRA waste number U165; Tar camphor; UN1334; UN2304; White tar. Major feedstock in the polymer, dyestuffs and pharmaceutical industries. Used in lubricants and fuels. Anthelmintic. Targets Cestodes. Crystals; mp = 80.2°; bp = 217.9°; d^{20} = 1.0253; d^{100} = 0.9628; λ_m = 221, 258, 266, 275, 279, 283, 286, 301, 304, 311 nm (ε = 10600, 3470, 4990, 5530, 313, 3760, 294, 224, 239, MeOH); 3710, insoluble in H_2O; soluble in EtOH or MeOH (7.7 g/100 ml), C_6H_6 or C_7H_8 (28.6 g/100 ml), $CHCl_3$ or CCl_4 (50 g/100 ml), CS_2 (83.3 g/100 ml). *Allied Signal; Aristech; Crowley Tar Prods.; Dragon Chemical Corp.; Farnam Companies Inc.; Stanchem; Texaco; Willert Home Products Inc.*

2609 1-Naphthaleneacetic acid

86-87-3 6397 G P



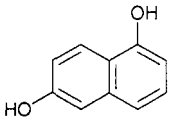
$C_{12}H_{10}O_2$

2-(1-Naphthyl)acetic acid.

Alphaspra; Acide naphthylacetique; Acide naphtylacetique; Agronaa; AI3-16113; Alman; ANU; Appl-set; Biokor; Caswell No. 589; Celmone; EPA Pesticide Chemical Code 056002; Etifix; Floramon; Fruit Fix; Fruitofix; Fruitone; Fruitone N; Hormofix; HSDB 2038; Klingtite; Kyselina 1-naftyloctova; Liqui-stik; N 10; NAA; NAA 800; 1-NAA; -NAA; Naphthaleneacetic acid; 1-Naphthalene acetic acid; Naphthalene-1-acetic acid; 1-Naphthylacetic acid; α-Naphthylacetic acid; α-Naphthyleneacetic acid; α-Naphthylessigsäure; 2-(α-Naphthyl)-ethanoic aid; Nafusaku; Naphthyl-1-essigsäure; Naphthylacetic acid; Naphyl-1-essigsäure; Niagara-stik; NSC 15772; NU-Tone; Phyomone; Pimacol-sol; Planofix; Planofixe; Plucker; Pomoxon; Primacol; Rasin; Rhizopon B; Rhodofix; Stafast; STIK; Stop-Drop; Tekkam; Tip-Off; Tipoff; Transplantone; Tre-Hold; Vardhak. A plant growth regulator used to control suckering in fruit trees. Registered by EPA as a plant growth regulator. Needles; mp = 135°; bp dec.; λ_m = 223, 280, 313 nm (MeOH); soluble in H_2O (0.038 g/100 ml at 17°), xylene (5.5 g/100 ml), CCl_4 (1.06 g/100 ml), EtOH (3.3 g/100 ml), Me_2CO, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 1000 - 5900 mg/kg, (mus orl) = 700 mg/kg (sodium salt), (rbt der) > 5000 mg/kg; LC_{50} (mallard duck 8 day dietary) > 10000 mg/kg diet; non-toxic to bees. *Amvac Chemical Corp.; Aventis Crop Science; Fargro Ltd.; ICI Agrochemicals; Syngenta Crop Protection; UAP - Platte Chemical; Value Gardens Supply LLC.*

2610 1,6-Naphthalenediol

575-44-0 G



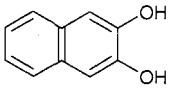
$C_{10}H_8O_2$

1,6-dihydroxynaphthalene.

C.I. 76630; CCRIS 7894; 1,6-Dihydroxynaphthalene; 2,5-Dihydroxynaphthalene; EINECS 209-386-7; 6-Hydroxy-1-naphthol; Naphthalene, 1,6-dihydroxy-; 1,6-Naphth-alenediol; 2,5-Naphthalenediol; NSC 7201. Used in chemical synthesis. Prisms; mp = 138°; bp sublimes; λmLks = 223, 243, 286, 298, 321, 332 nm (MeOH); insoluble in ligroin; slightly soluble in H_2O, EtOH, $CHCl_3$, soluble in Et_2O, Me_2CO, C_6H_6. *Aceto Corp.*

2611 2,3-Naphthalenediol

92-44-4 G



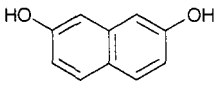
$C_{10}H_8O_2$

2,3-Dihydroxynaphthalene.

4-06-00-06564 (Beilstein Handbook Reference); AI3-18148; BRN 0742375; 2,3-Dihydroxynaphthalene; 2,3-Dihydroxynapthalene; EINECS 202-156-7; 2,3-Naphthalenediol; Naphthalene-2,3-diol; NSC 8707. Used as a complexing reagent. Crystals; mp = 162-164°.

2612 2,7-naphthalenediol

582-17-2 G



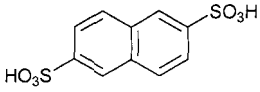
$C_{10}H_8O_2$

2,7-dihydroxynaphthalene.

4-06-00-06570 (Beilstein Handbook Reference); BRN 2042383; CI 76645; 2,7-Dihydroxynaphthalene; EINECS 209-478-7; 2,7-Naphthalenediol; Naphthalene-2,7-diol; Naphthalenediol-2,7; NSC 407541. Reagent. Used in synthesis. Needles or plates; mp = 193°; bp sublimes; λ_m = 231, 285, 313, 320, 328 nm (ε = 75800, 3360, 2400, 1940, 3080, MeOH); insoluble in ligroin, CS_2, slightly soluble in Me_2CO, soluble in H_2O, EtOH, Et_2O, C_6H_6, $CHCl_3$, C_7H_8. *Aceto Corp.*

2613 Naphthalene-2,6-disulfonic acid

581-75-9 6400 G



$C_{10}H_8O_6S_2$

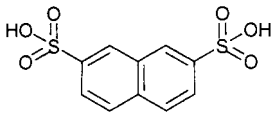
2,6-Naphthalenedisulfonic acid.

Ebert-Merz β-acid; EINECS 209-471-9; 2,6-Naphth-alenedisulfonic acid; Naphthalene-2,6-disulphonic acid; NSC 37041. Chemical intermediate. Crystals; very soluble in H_2O, EtOH; practically

insoluble in Et_2O.

2614 Naphthalene-2,7-disulfonic acid;

92-41-1 6401 G



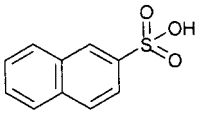
$C_{10}H_8O_6S_2$

2,7-Naphthalenedisulfonic acid.

Ebert and Merz's α-acid; EINECS 202-154-6; 2,7-Naphthalenedisulfonic acid; 2,7-Naphthalenedisulphonic acid; Naphthalene-2,7-disulfonic acid; Naphthalene-2,7-disulphonic acid; NSC 9589. Used as an intermediate for dyes. Needles; mp = 199°; λ_m = 233, 266, 308, 315, 323 ε = 87096, 3890, 257, 240, 178, EtOH); soluble in H_2O.

2615 2-Naphthalene sulfonic acid

120-18-3 6403 G



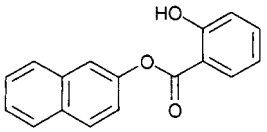
$C_{10}H_8O_3S$

Naphthalene-2-sulfonic acid.

4-11-00-00527 (Beilstein Handbook Reference); AI3-18435; BRN 1955756; EINECS 204-375-3; Kyselina 2-naftalensulfonova; Naphthalene-2-sulphonic acid; β-Naphthalenesulfonic acid; 2-Naphthalenesulfonic acid; 2-Naphthalenesulfonic acid, monohydrate; β-Naphthylsulfonic acid. Used in manufacture of β-naphthol and to solubilize phenols in water. Platelets; mp = 91°; d^{25} = 1.441; λ_m = 227, 265, 274, 305, 312, 320 nm (MeOH); slightly soluble in C_6H_6, soluble in Et_2O, very soluble in H_2O, EtOH; LD_{50} (rat orl) = 4440 mg/kg.

2616 Naphthalol

613-78-5 6441 D G



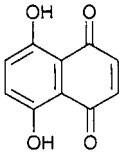
$C_{17}H_{12}O_3$

2-Naphthyl salicylate.

AI3-00890; Benzoic acid, 2-hydroxy-, 2-naphthalenyl ester; Berol; Betol; EINECS 210-355-5; Naphthalol; Naphthosalol; β-Naphthol salicylate; β-Naphthyl salicylate; 2-Naphthyl salicylate; NSC 5538; Salicylic acid, 2-naphthyl ester; Salinaphthol. Antiseptic; anti-inflammatory. Solid; mp = 95.5°; d^{116} = 1.11; insoluble in H_2O, glycerol; slightly soluble in cold alcohol; soluble in C_6H_6, Et_2O, boiling alcohol.

2617 Naphthazarin

475-38-7 G



$C_{10}H_6O_4$

5,8-Dihydroxy-1,4 naphthoquinone.

CCRIS 6670; 5,8-Dihydroxynaphthoquinone; 5,8-Dihydroxy-1,4-naphthoquinone; 5,8-Dihydroxy-1,4-naphthalenedione; 5,8-Dihydroxy-1,4-naphthosemi-quinone; EINECS 207-495-4; 1,4-Naphthalenedione, 5,8-dihydroxy-; 1,4-Naphthoquinone, 5,8-dihydroxy-; Naphthazarin; Naphthazarine; Naphthazarone; NSC 26647. Used in manufacture of dyestuffs. Dark red crystals; mp = 232°; bp sublimes; λ_m = 268, 516, 556 nm (ε = 10000, 6310, 3162, EtOH), 520 nm (ε = 3981, DMF); slightly soluble in H_2O, EtOH, Et_2O, soluble in AcOH.

2618 Naphthenic acid

1338-24-5 H

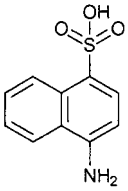
$C_{11}H_8O_2$

Carboxylic acids, naphthenic.

Acide naphtenique; Agenap; Carboxylic acids, naphthenic; EINECS 215-662-8; HSDB 1178; Naphid; Naphthenic acid; Naphthenic acids; Sunaptic acid B; Sunaptic acid C.

2619 Naphthionic acid

84-86-6 6429 G



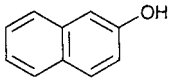
$C_{10}H_9NO_3S$

α-Naphthylamine-4-sulfonic acid.

AI3-52278; 1-Aminonaphthalene-4-sulfonic acid; 4-Amino-1-naphthalenesulfonic acid; 4-Amino-1-naphth-alinsulfonsaeure; 4-Aminonaphthalene-1-sulphonic acid; 1-Amino-4-sulfonaphthalene; EINECS 201-567-9; Kyselina 1-naftylamin-4-sulfonova; Kyselina nafthionova; 1-Naphthalenesulfonic acid, 4-amino-; 1-Naphthylamin-4-sulfonsaeure; α-Naphthylamine-4-sulfonic acid; α-Naphthylamine-p-sulfonic acid; 1-Naphthylamine-4-sulfonic acid; Naphthionic acid; 1,4-Naphthionic acid; Naphthionsaeure; Naphthionsäure; NSC 4155; Piria's acid; Sulfonaphtin; USAF M-5. Intermediate in manufacture of dyestuffs such as Congo Red, Fast Red A and Azo Rubine. The sodium salt is used as a hemostatic. Solid, decomposes without melting; d^{25}= 1.6703; slightly soluble in H_2O (0.28 g/l), sparingly soluble in organic solvents.

2620 Naphthol

135-19-3 6410 G H



$C_{10}H_8O$

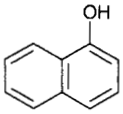
2-Naphthol.

AI3-00081; Antioxygene BN; Azogen developer A; C.I. 37500; C.I. Azoic Coupling Component 1; C.I. Developer 5; Caswell No. 590;

Developer A; Developer AMS; Developer BN; Developer sodium; EINECS 205-182-7; EPA Pesticide Chemical Code 010301; HSDB 6812; Isonaphthol; β-Monoxynaphthalene; β-Naftol; β-Naftolo; β-Naphthol; Naphthol, β; Naphthol B; β-Naphtol; β-Naphthyl alcohol; β-Naphthyl hydroxide; NSC 2044. An antioxidant and chemical intermediate. Registered by EPA as a fungicide and insecticide (cancelled). Has been used as a nematicide. Crystals; mp = 123°; bp = 285°; d^{20} = 1.28; λ_m = 225, 263, 273, 284, 318, 329 nm (ε 91194, 3911, 4559, 3301, 1861, 2163, 95% EtOH); soluble in H_2O (0.1 g/100 ml at 25°, 1.25 g/100 ml at 100°), EtOH 125 g/100 ml), $CHCl_3$ (5.9 g/100 ml), Et_2O (77 g/100 ml), glycerol, olive oil. *Allied Colloids; Riedel de Haen (Chinosolfabrik).*

2621 1-Naphthol

90-15-3 6409 H



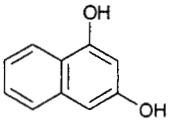
$C_{10}H_8O$

1-Naphthalenol.

AI3-00106; Basf Ursol ERN; CCRIS 1172; CI 76605; CI Oxidation Base 33; Durafur developer D; EINECS 201-969-4; Fouramine ERN; Fourrine 99; Fourrine ERN; Furro ER; HSDB 2650; Nako TRB; NSC 9586; Tertral ERN; Ursol ERN; Zoba ERN. Used in the manufacture of dyestuffs and synthetic perfumes. Crystalline solid; mp = 95°; bp = 288°, bp_{40} = 184°; d^{99} = 1.0989; λ_m =233, 295, 309, 323 nm (MeOH); soluble in organic solvents, insoluble in H_2O; LD_{50} (rat orl) = 2590 mg/kg.

2622 Naphthoresorcin

132-86-5 6422 G



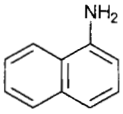
$C_{10}H_8O_2$

1,3-Dihydroxy-naphthalene.

4-06-00-06543 (Beilstein Handbook Reference); AI3-08780; BRN 2044002; CCRIS 7896; EINECS 205-079-7; 3-Hydroxybenzocyclohexadien-1-one; 1,3-Naphthalene-diol; Naphthoresorcinol; NSC 115890. Inhibitor of prostaglandin synthase. Used to assay sugars, oils and glucuronic acid in urine. White leaflets; mp = 123.5°; λ_m = 214, 235, 287, 336 nm (MeOH); slightly soluble in Me_2CO, C_6H_6, ligroin, soluble in H_2O, EtOH, Et_2O, AcOH.

2623 α-Naphthylamine

134-32-7 6424 G



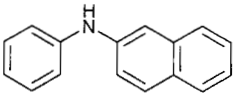
$C_{10}H_9N$

1-Naphthalenamine.

4-12-00-03009 (Beilstein Handbook Reference); AI3-00085; alfa-Naftyloamina; Alfanaftilamina; 1-Amino-naftalen; α-Aminonaphthalene; 1-Aminonaphthalene; Aminogen I; BRN 0386133; CCRIS 423; CI 37265; CI Azoic Diazo Component 114; EINECS 205-138-7; Fast Garnet B Base; Fast Garnet Base B; HSDB 1080; α-Naftalamin; 1-Naftilamina; α-Naftylamin; 1-Naftylamin; 1-Naftylamine; 1-Naphthalamine; 1-Naphthalenamine; Naphthalidam; Naphthalidine; 1-Naphthylamin; α-Naphthylamine; 1-Naphthylamine; RCRA waste number U167; UN2077. Used in manufacture of dyestuffs, as a rubber vulcanization accelerator and as a chemical feedstock. mp = 49.2°; bp = 300.8°; d^{20} = 1.0228; λ_m = 243, 318, 328 nm (cyclohexane); soluble in H_2O (1.7 mg/l), soluble in $CHCl_3$; LD_{50} (rat orl) = 779 mg/kg.

2624 2-Naphthylphenylamine

135-88-6 G



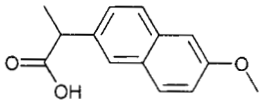
$C_{16}H_{13}N$

β-Naphthylphenylamine.

4-12-00-03128 (Beilstein Handbook Reference); Aceto PBN; AgeRite Powder; AI3-00068; AK 1; AK 1 (stabilizer); Anilinonaphthalene; 2-Anilinonaphthalene; Antioxidant 116; Antioxidant D; Antioxidant PBN; BRN 2211188; CCRIS 853; EINECS 205-223-9; Fenyl-β-naftylamin; N-Fenyl-2-aminonaftalen; HSDB 2888; 2-Naphthalenamine, N-phenyl-; 2-Naphthylamine, N-phenyl-; N-2-Naphthyl-aniline; N-(2-Naphthyl)aniline; β-naphthylphenylamine; 2-naphthylphenylamine; N-(2-naphthyl)-N-phenylamine; N-β-naphthyl-N-phenylamine; Naftam 2; NCI-C02915; Neosone D; Neozon D; Neozone; Neozone D; Nilox PbNa; Nilox PBNA; Noclizer D; Nocrac D; Nonox D; Nonox DN; NSC 37151; PBNA; 2-Phenylamino-naphthalene; phenyl-2-naphthylamine; Phenyl-β-naph-thylamine; Phenyl-β-naphtilamine; Phenyl-2-naphthyl-amine; N-Phenyl-β-naphthylamine; N-Phenyl-2-naph-thylamine; Stabilator A.R; Stabilizer AR; Stabilizer AR; Vulkanox PBN. An antioxidant. Crystals; mp = 108°; bp = 395.5°; d = 1.24, λ_m = 221, 271 nm (cyclohexane); insoluble in H_2O, slightly soluble in $CHCl_3$, soluble in EtOH, Et_2O, C_6H_6, AcOH; LD_{50} (rat orl) = 8730 mg/kg.

2625 Naproxen

22204-53-1 6443 D



$C_{14}H_{14}O_3$

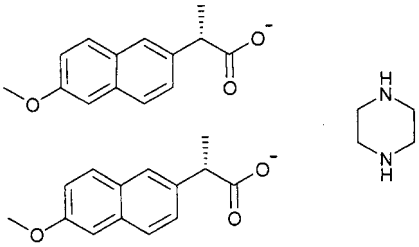
(+)-6-Methoxy-α-methyl-2-napthaleneacetic acid.

Acusprain; Anax; Anexopen; Apo-Napro-NA; Apo-Naproxen; Apronax; Artagen; Arthrisil; Artrixen; Artroxen; Atiflan; Axer; Bipronyl; Bonyl; Calosen; CCRIS 5265; CG 3117; Clinosyn; Congex; Danaprox; Daprox; Diocodal; Duk; Dysmenalgit; Dysmenalgit N; Ec-Naprosyn; EINECS 244-838-7; Equiproxen; Flanax Forte; Flexen; Flexipen; Floginax; Fuxen; Genoxen; Headlon; HSDB 3369; Laraflex; Laser; Lefaine; Leniartil; MNPA; Nafasol; Naixan; Nalyxan; Napflam; Napmel; Naposin; Napratec; Napren; Napren E; Naprium; Naprius; Naprontag; Naprosyn; Naprosyn LLE; Naprosyn LLE Forte; Naprosyne; Naproxen; Naproxene; Naproxeno; Naproxenum; Naproxi 250; Naproxi 500; Naprux; Napxen; Narma; Narocin; Naxen; Naxen F; Naxid; Naxopren; Naxyn; Naxyn 250; Naxyn 500; Noflam; Novonaprox; Nycopren; Panoxen; Patxen; Prafena; Prexan; Priaxen; Pronaxen; Proxen; Proxen LE; Proxen LLE; Proxine; Rahsen; Reuxen; Rheumaflex; Roxen; RS 3540; Saritilron; Sinartrin; Sinton; Soproxen; Sutolin; Sutony; Tohexen; Traumox; U-Ritis; Velsay; Veradol; Vinsen; Xenar. Anti-inflammatory; analgesic; antipyretic. Crystals; mp = 152-154°; $[\alpha]_D$ = +66° (c = 1 in $CHCl_3$); nearly

insoluble in H_2O; soluble in organic solvents; LD_{50} (mus orl) = 1234 mg/kg, (rat orl) = 534 mg/kg, (rat ip) = 575 mg/kg. *Syntex Labs. Inc.*

2626 Naproxen Piperazine

70981-66-7 6443 D



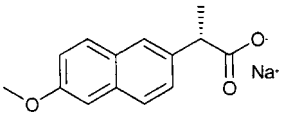
$C_{32}H_{38}N_2O_6$

(+)-6-Methoxy-α-methyl-2-napthaleneacetate piperazine salt (2:1).

EINECS 275-083-1; Naproxen piperazine salt; Numidan; Numide; Piproxen. Anti-inflammatory; analgesic; antipyretic. *Syntex Labs. Inc.*

2627 Naproxen Sodium

26159-34-2 6443 D



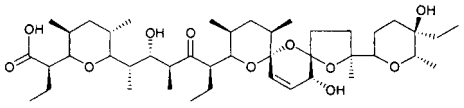
$C_{14}H_{13}NaO_3$

(-)-Sodium 6-methoxy-α-methyl-2-napthaleneacetate.

A-Nox; Aleve; Alfa; Anapran; Anaprotab; Anaprox; Apo-Napro-Na; Apranax; Aprol; Aprowell; Axer; Axer Alfa; Causalon Pro; Diocodal; Dysmenalgit; EINECS 247-486-2; Flanax; Flogen; Floginex; Flogogin; Floneks; Floxalin; Gibinap; Gibixen; Gynestrel; Kapnax; Karoksen; Laser; Leniartril; Miranax; Monarit; Naixan; Naprium; Naprodil; Naprodol; Naprosyn; Naprovite; Naproxen natrium; Naproxen sodium; Naproxen sodium salt; Naprux; Naprux Gesic; Natrioxen; Nixal; Opraks; Pactens; Prexan; Primeral; Proxen; RS 3650; Sodimax; Synflex; Tandax; Veradol; Xenar. Anti-inflammatory; analgesic; antipyretic. White crystals; mp = 244-246°; $[\alpha]_D$ = -11° (in MeOH). *Syntex Labs. Inc.*

2628 Narasin

55134-13-9 6445 G V



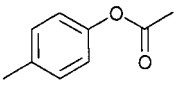
$C_{43}H_{72}O_{11}$

4S-Methylsalinomycin.

A 28086A; AI3-29798; Antibiotic A-28086 factor A; Antibiotic A 28086A; Antibiotic C 7819B; BRN 1678311; C 7819B; Compound 79891; Lilly 79891; 4-Methylsalinomycin; Monteban; Narasin; Narasin A; Narasine; Narasino; Narasinum; Salinomycin, 4-methyl-, (4S). Main component of an antibiotic complex produced by *Streptomyces aureofaciens* NRRL 5758 and NRRL 8092. A veterinary medicine used as a coccidiostat and growth stimulant. Crystals; mp = 98-100°; λ_m ■ 285 nm (ε 58); $[\alpha]_D^{25}$= -54° (c = 0.2 MeOH); insoluble in H_2O, soluble in organic solvents; LD_{50} (mus ip) = 7.15 mg/kg.

2629 Narceol

140-39-6 G



$C_9H_{10}O_2$

p-Tolylacetate.

4-06-00-02112 (Beilstein Handbook Reference); Acetic acid, 4-methylphenyl ester; Acetic acid, p-tolyl ester; 4-Acetoxytoluene; p-Acetoxytoluene; AI3-01266; BRN 1908125; p-Cresol acetate; p-Cresyl acetate; Cresyl acetate; Cresyl acetate, p-; Cresylic acetate, p-; EINECS 205-413-1; FEMA No. 3073; 4-Methylbenzoic acid methyl ester; 4-Methylphenyl acetate; p-Methylphenyl acetate; Narceol; NSC 43244; Paracresyl acetate; p-Tolyl acetate; 4-Tolyl acetate; p-Tolyl ethanoate. A synthetic perfume. Liquid; bp = 212.5°; d^{17} = 1.0512; λ_m = 265, 271 nm (ε = 446, 406, MeOH); slightly soluble in H_2O, soluble in EtOH, Et_2O, CCl_4, $CHCl_3$.

2630 Natural gas

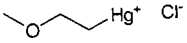
8006-14-2 H

Natural gas.

EINECS 232-343-9; Gas, natural; Liquified natural gas; Natural gas; Synthetic natural gas.

2631 Neanthine

123-88-6 G



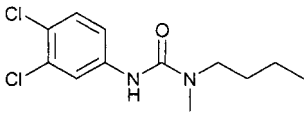
C_3H_7ClHgO

Methoxyethyl mercury chloride.

Agallo forte; Agallol; Agallolat; Aretan; Aretan 6; Atiran; BRN 4123443; CCRIS 5835; Ceranit 6; Ceresan; Ceresan Universal Wet; Chloro(2-methoxyethyl)mercury; EINECS 204-659-7; Emisan; Emisan 6; Gramisan; Higosan; MEMC; Merchlorate; Mercury, chloro(2-methoxyethyl)-; Methoxyethyl mercuric chloride; 2-Methoxyethyl-mercuric chloride; Methoxyethylmercury chloride; β-Methoxyethylmercury chloride; 2-Methoxyethyl-merk-urichlorid; Methoxyäthylquecksilberchlorid; Meth-oxyaethylquecksilberchlorid; Neanthine; Sedresan; Tafasan; Tafasan 6W; Tayssato; Triadimenol; Vegoll. Seed dressing for control of fungal diseases on cereals, rice, cotton, vegetables, flower bulbs and sugar cane cuttings. A potato fungicide. Crystals; mp = 65°; insoluble in H_2O, organic solvents; LD_{50} (rat orl) = 22 mg/kg. *Bayer AG; ICI Plant Protection.*

2632 Neburon

555-37-3 6463 G P



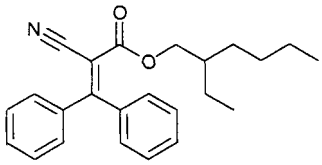
$C_{12}H_{16}Cl_2N_2O$

N-butyl-N'-(3,4-dichlorophenyl)-N-methylurea.

BRN 2733280; Butyl-3-(3,4-dichlorophenyl)-1-methyl-urea; Butyl-N'-(3,4-dichlorophenyl)-N-methylurea; 1-Butyl-3-(3,4-dichlorophenyl)-1-methylurea; 1-n-Butyl-3-(3,4-dichlorophenyl)-1-methylurea; N-Butyl-N'-(3,4-di-chlorophenyl)-N-methylurea; Caswell No. 594; 3-(3,4-Dichlorophenyl)-1-methyl-1-butylurea; 3-(3,4-Dichlor-phenyl)-1-n-butyl-harnstoff; EINECS 209-096-0; EPA Pesticide Chemical Code 012001; Granurex; Herbalt; Kloben; Kloben neburon; Neburea; Neburex; Neburon; Urea, 1-butyl-3-(3,4-dichlorophenyl)-1-methyl-;

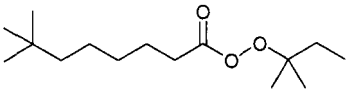
Urea, N-butyl-N'-(3,4-dichlorophenyl)-N-methyl-. Selective herbicide, absorbed through the roots, inhibits photosynthesis. Used for pre-emergence control of annual broad-leaved weeds and grasses in beans, peas, lucerne, garlic, cereals, beets, strawberries and ornamentals, and in forestry. Crystals; mp = 102-103°; soluble in H_2O (5 mg/l), sparingly soluble in hydrocarbon solvents; LD_{50} (rat orl) >11000 mg/kg. *DuPont UK.*

2633 Neo Heliopan® 303
6197-30-4 D G



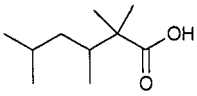
$C_{24}H_{27}NO_2$
2-Ethylhexyl-2-cyano-3,3-diphenylacrylate.
CCRIS 4814; EINECS 228-250-8; 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate; 2-Ethylhexyl 2-cyano-3,3-diphenyl-2-prop-enoate; 2-Ethylhexyl 2-cyano-3,3-diphenyl-acryl-ate; Neo Heliopan® 303; Octocrilene; Octocrileno; Octocrilenum; Octocrylene; 2-Propenoic acid, 2-cyano-3,3-diphenyl-, 2-ethylhexyl ester; UV Absorber-3; Uvinul® N-539. UV-B absorber for cosmetics, waterproof sunscreens. Used in flexible and rigid PVC; in NC lacquers, varnishes, vinyl flooring, and oil-based paints; in Aerosol® and oil-based suntan lotions; nonreactive with metallic driers. Liquid; mp = -10°; $bp_{1.5}$ = 218°; d = 1.051; insoluble in H_2O, soluble in organic solvents. *BASF Corp.; Haarmann & Reimer GmbH.*

2634 Neodecaneperoxoic acid, 1,1-dimethyl-propyl ester
68299-16-1 G



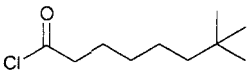
$C_{15}H_{30}O_3$
t-Amyl peroxyneodecanoate.
EINECS 269-597-5; Neodecaneperoxoic acid, 1,1-dimethylpropyl ester; tert-Amyl peroxyneodecanoate; Trigonox® 123-C75. Supplied in odorless mineral spirits; initiator for PVC. *Akzo Chemie.*

2635 Neodecanoic acid
26896-20-8 H



$C_{10}H_{20}O_2$
2,5-Dimethyl-2-ethylhexanoic acid.
Caswell No. 365A; 2,4-Dimethyl-2-isopropylpentanoic acid; 2,5-Dimethyl-2-ethylhexanoic acid; EINECS 248-093-9; EPA Pesticide Chemical Code 097501; Neodecanoic acid; 2,2,3,5-Tetramethylhexanoic acid; Topper 5E; Wiltz 65.

2636 Neodecanoyl chloride
40292-82-8 H

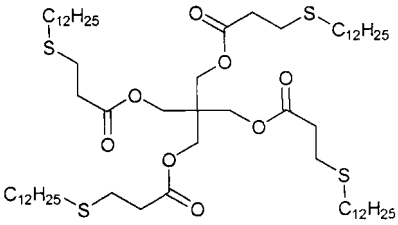


$C_{10}H_{19}ClO$
7,7-Dimethyloctanoyl chloride.
EINECS 254-875-0; Neodecanoic chloride; Neodecanoyl chloride.

2637 Neoflex® 9
68527-05-9 G

$C_9H_{20}O$
Isononyl alcohol.
Octene, hydroformylation products. *Shell.*

2638 Neopentanetetrayl 3-(dodecylthio)prop-ionate
29598-76-3 H

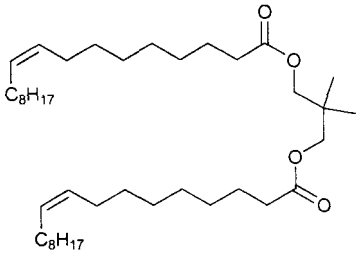


$C_{65}H_{124}O_8S_4$
Propionic acid, 3-(dodecylthio)-, neopentanetetrayl ester.
2,2-Bis((3-(dodecylthio)-1-oxopropoxy)methyl)propane-1,3-diyl bis(3-(dodecylthio)propionate); EINECS 249-720-9; Propionic acid, 3-(dodecylthio)-, neopentanetetrayl ester.

2639 Neopentyl glycol
126-30-7 6486 G H

$C_5H_{12}O_2$
2,2-Dimethylpropane-1,3-diol.
4-01-00-02551 (Beilstein Handbook Reference); AI3-05739; BRN 0605291; Dimethylolpropane; Dimethyl-trimethylene glycol; EINECS 204-781-0; Hydroxypivalyl alcohol; Neol; Neopentanediol; Neopentyl glycol; Neopentylene glycol; NPG®; NPG® Glycol; NSC 55836; Propanediol, 2,2-dimethyl-, 1,3-. Resin intermediate; insect repellent. Used in manufacture of plasticizers and polyesters. Needles; mp = 130°; bp = 208°; soluble in H_2O (65 g/ml), C_6H_6, $CHCl_3$, very soluble in EtOH, Et_2O. *BASF Corp.; Degussa-Hüls Corp.; Eastman Chem. Co.; Mitsubishi Gas.*

2640 Neopentyl glycol dioleate
42222-50-4 H



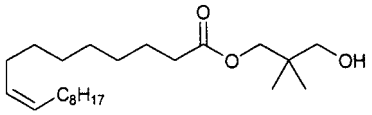
$C_{41}H_{76}O_4$

2,2-Dimethyl-1,3-propanediyl dioleate.

2,2-Dimethyl-1,3-propanediyl dioleate; EINECS 255-713-1; Neopentyl glycol dioleate; NSC 65468; 9-Octadecenoic acid (9Z)-, 2,2-dimethyl-1,3-propanediyl ester; 9-Octadecenoic acid (Z)-, 2,2-dimethyl-1,3-propanediyl ester.

2641 Neopentyl glycol oleate

67989-24-6 H



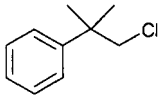
$C_{23}H_{44}O_3$

9-Octadecenoic acid (9Z)-, ester with 2,2-dimethyl-1,3-propanediol.

EINECS 268-008-9; Neopentyl glycol oleate; 9-Octadecenoic acid (9Z)-, ester with 2,2-dimethyl-1,3-propanediol; 9-Octadecenoic acid (Z)-, ester with 2,2-dimethyl-1,3-propanediol.

2642 Neophyl chloride

515-40-2 6487 H



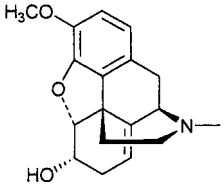
$C_{10}H_{13}Cl$

2-Methyl-2-phenylpropyl chloride.

Benzene, (2-chloro-1,1-dimethylethyl)-; (β-Chloro-α,α-dimethyl)ethylbenzene; (β-Chloro-t-butyl)benzene; (2-Chloro-1,1-dimethylethyl)benzene; β,β-Dimethylphen-ethyl chloride; EINECS 208-197-7; 2-Methyl-2-phenyl-propyl chloride; Neophyl chloride; NSC 54159. Liquid; bp = 223°, bp_{18} = 105°; very soluble in EtOH, Et_2O, Me_2CO, C_6H_6.

2643 Neopine

467-14-1 6488 G



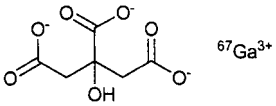
$C_{18}H_{21}NO_3$

8,14-didehydro-4,5α-epoxy-3-methoxy-17-methylmorph-inan-6α-ol.

β-codeine; (5α,6α)-8,14-Didehydro-4,5-epoxy-3-meth-oxy-17-methylmorphinan-6-ol; EINECS 207-387-7; Neopine. Alkaloid from opium, isomeric with codeine. Needles; mp = 127.5°; $[\alpha]_D^{23}$ = -28° (c = 7.5 $CHCl_3$); λ_m = 210, 284 nm (ε = 39811, 1585, aq HBr); slightly soluble in ligroin, soluble in H_2O. EtOH, Et_2O, C_6H_6, very soluble in MeOH, $CHCl_3$.

2644 Neoscan

41183-64-6 4367 G



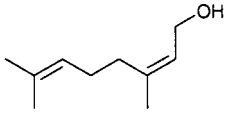
$C_6H_5{}^{67}GaO_7$

Gallium citrate-^{67}Ga.

Citrate de gallium (67 Ga); Citrato de galio (^{67}Ga); EINECS 255-248-4; Gallii (^{67}Ga) citras; Gallium (^{67}Ga) citrate; (^{67}Ga) Gallium citrate; Gallium-(^{67}Ga) citrate (1:1); Gallium-67 citrate; Gallium citrate (^{67}Ga)); Neoscan; 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, gallium-(^{67}Ga) (1:1) salt. Diagnostic aid; radioactive agent. *Medi-Physics Inc.*

2645 Nerol

106-25-2 6500 G H



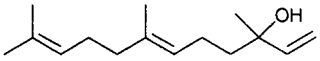
$C_{10}H_{18}O$

(Z)-3,7-Dimethyl-2,6-octadien-1-ol.

AI3-28202; 2-cis-3,7-Dimethyl-2,6-octadien-1-ol; 3,7-Dimethyl-2,6-octadien-1-ol, cis-; EINECS 203-378-7; FEMA No. 2770; cis-Geraniol; (Z)-Geraniol; Nerol; Neryl alcohol; NSC-46105; 2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-; Vernol®. A sweet, fresh, citrus-rose odor used in fragrances. Oil; bp_{745} = 224-225°; bp_{25} = 125°; d^{15} = 0.8813. *Bush Boake Allen; IFF.*

2646 Nerolidol

7212-44-4 6501 G P



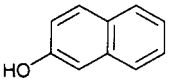
$C_{15}H_{26}O$

3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol.

3-01-00-02042 (Beilstein Handbook Reference); 3,7,11-Trimethyldodeca-1,6,10-trien-3-ol; 3,7,11-Trimethyldo-deca-1,6,10-trien-3-ol,mixed isomers; AI3-10519; BRN 1724135; CCRIS 7678; 1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-; FEMA No. 2772; Methylvinylhomogeranyl carbinol; Nerolidol. Fragrance and flavoring; sweetly floral, green, woody, lilly-like. Occurs in *cis and trans* forms. Has been used as an insecticide. [trans-form, 40716-66-3]: liquid; $bp_{0.15}$ = 78°; [cis-form, 3790-78-1]: liquid; $bp_{0.10}$ = 70°; [cis/trans-form]: liquid; bp_3 = 122°; d_4^{25} = 0.8720; soluble in 70% EtOH (30 g/100 ml). *BASF Corp.; Troy Biosciences Inc.*

2647 Nerolin

93-04-9 6026 G



$C_{12}H_{12}O$

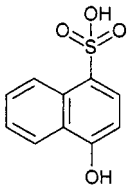
2-Methoxynaphthalene.

AI3-21213; EINECS 202-213-6; β-Methoxynaphthalene; Methyl β-naphthyl ether; Methyl 2-naphthyl ether; Naphthalene, 2-methoxy-; β-Naphthol methyl ether; β-Naphthyl methyl ether; 2-Naphthyl methyl ether; Nerolin; NSC 4171; Yara-Yara; Yura Yara. Used in perfumery. Leaflets; mp = 73.5°; bp = 274°; d_{20}^{20} = 1.0640; λ_m = 227,

261, 271, 327 nm (MeOH); soluble in C_6H_6, Et_2O, $CHCl_3$. .

2648 Nevile and Winther's acid

84-87-7 6417 G



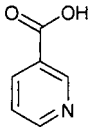
$C_{10}H_8O_4S$

'α-Naphthol-4-sulfonic acid.

EINECS 201-568-4; 1-Hydroxy-4-naphthalenesulfonic acid; 4-Hydroxy-1-naphthalenesulfonic acid; 4-Hydroxynaphthalene-1-sulphonic acid; 1-Naphthalene-sulfonic acid, 4-hydroxy-; 1-Naphtho-4-sulfonic acid; 1-Naphthol-4-sulfonic acid; Neville and Winther's acid; Neville-winther acid; NSC 9587; NW Acid; 1,4-Oxy Acid. Used in manufacture of azo dyes. Crystals; dec 170°; λ_m = 234, 300, 320 nm (ε = 31623, 7079, 4365, EtOH - 5% HCl); very soluble in H_2O.

2649 Niacin

59-67-6 6552 D G



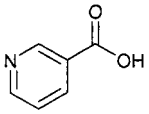
$C_6H_5NO_2$

3-Pyridinecarboxylic acid.

5-22-02-00057 (Beilstein Handbook Reference); Acide nicotinique; Acido nicotinico; Acidum nicotinicum; AI3-18994; Akotin; Apelagrin; Bionic; BRN 0109591; Caswell No. 598; CCRIS 1902; Daskil; Davitamon PP; Diacin; Direktan; Efacin; EINECS 200-441-0; Enduracin; EPA Pesticide Chemical Code 056701; HSDB 3134; Kyselina nikotinova; Linic; NAH; Naotin; Niac; Niacin; Niacor; Niaspan; Nicacid; Nicagin; Nicamin; Nicangin; Nico-400; Nico-span; NICO; Nicobid; Nicocap; Nicocidin; Nicocrisina; Nicodan; Nicodelmine; Nicodon; Nicolar; Niconacid; Niconat; Niconazid; Nicorol; Nicosan 3; Nicoside; NicoSpan; Nicosyl; Nicotamin; Nicotene; Nicotil; Nicotine acid; Nicotinic acid; Nicotinipca; Nicotinsaure; Nicovasan; Nicovasen; Nicyl; Nipellen; NSC 169454; Nyclin; P.P. Factor; Pellagramin; Pellagrin; Pelonin; Peviton; S115; SK-Niacin; Slo-niacin; SR 4390; Tega-Span; Tinic; Vitaplex N; Wampocap. Vitamin (enzyme cofactor). mp = 236.6°; λ_m = 263 nm; soluble in H_2O (1.67 g/100 ml); freely soluble in H_2O at 100°, EtOH at 76°; insoluble in Et_2O; LD_{50} (raty sc) = 5000 mg/kg. *Abbott Labs Inc.; Apothecon; Forest Pharm. Inc.; Marion Merrell Dow Inc.; Rhône-Poulenc Rorer Pharm. Inc.; Wallace Labs.*

2650 Niacinamide

98-92-0 6550 D H



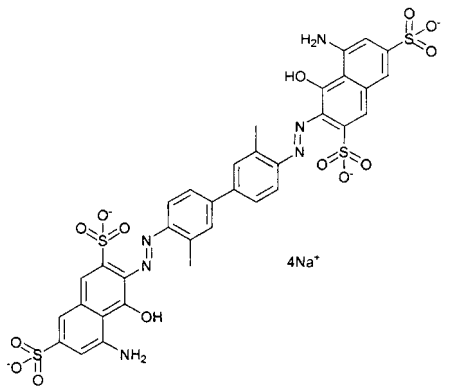
$C_6H_5NO_2$

3-Pyridinecarboxylic acid.

5-22-02-00057 (Beilstein Handbook Reference); Acide nicotinique; Acido nicotinico; Acidum nicotinicum; AI3-18994; Akotin; Apelagrin; Bionic; BRN 0109591; Caswell No. 598; CCRIS 1902; Daskil; Davitamon PP; Diacin; Direktan; Efacin; EINECS 200-441-0; Enduracin; EPA Pesticide Chemical Code 056701; HSDB 3134; Kyselina nikotinova; Linic; NAH; Naotin; Niac; Niacin; Niacor; Niaspan; Nicacid; Nicagin; Nicamin; Nicangin; Nico-400; Nico-span; NICO; Nicobid; Nicocap; Nicocidin; Nicocrisina; Nicodan; Nicodelmine; Nicodon; Nicolar; Niconacid; Niconat; Niconazid; Nicorol; Nicosan 3; Nicoside; NicoSpan; Nicosyl; Nicotamin; Nicotene; Nicotil; Nicotine acid; Nicotinic acid; Nicotinipca; Nicotinsaure; Nicovasan; Nicovasen; Nicyl; Nipellen; NSC 169454; Nyclin; P.P. Factor; Pellagramin; Pellagrin; Pelonin; Peviton; S115; SK-Niacin; Slo-niacin; SR 4390; Tega-Span; Tinic; Vitaplex N; Wampocap.; component of: Medriatric. Vitamin (enzyme cofactor). Crystals; mp = 128-131°; $bp_{0.0005}$ = 150-160°; λ_m 261 nm ($A^{1\%}_{1cm}$ 451); soluble in H_2O (100 g/100 ml), EtOH (66.6 g/100 ml), glycerol (10 g/100 ml); LD_{50} (rat sc) = 1680 mg/kg. *Wyeth-Ayerst Labs.*

2651 Niagara blue

72-57-1 9862 G



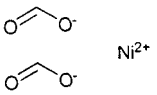
$C_{34}H_{24}N_6Na_4O_{14}S_4$

Sodium ditolyldisazobis-8-amino-1-naphthol-3,6-disulph-onate.

AI3-26698; Amanil Sky Blue R; Azidinblau 3B; Azidine Blue 3B; Azurro diretto 3B; Bencidal Blue 3B; Benzaminblau 3B; Benzamine Blue; Benzamine Blue 3B; Benzanil Blue 3BN; Benzanil Blue R; Benzo Blue; Benzo Blue 3B; Benzo Blue 3BS; Benzoblau 3B; Bleu diamine; Bleu diazole N 3B; Bleu directe 3B; Bleu trypane N; Bleue diretto 3B; Blue 3B; Blue EMB; Brasilamina Blue 3B; Brasilazina Blue 3B; C.I. 23850; C.I. Direct Blue 14; C.I. Direct Blue 14, tetrasodium salt; CCRIS 616; Centraline Blue 3B; Chloramiblau 3B; Chloramine Blue; Chloramine Blue 3B; Chlorazol Blue 3B; Chrome Leather Blue 3B; Congo Blue; Congoblau 3B; Cresotine Blue 3B; Diaminblau 3B; Diamine Blue 3B; Diamineblue; Diaminine Blue; Dianil Blue; Dianil Blue H3G; Dianilblau; Dianilblau H3G; Diaphtamine Blue TH; Diazine Blue 3B; Diazol Blue 3B; Diphenyl Blue 3B; Direct Blue 14; Direct Blue 3B; Direct Blue 3BX; Direct Blue D3B; Direct Blue H3G; Direct Blue M3B; Directakol Blue 3BL; Directblau 3B; EINECS 200-786-7; Hispamin Blue 3BX; HSDB 2945; Modr Prima 14; Modr Trypanova; Naphthaminblau 3BX; Naphthamine Blue 3BX; Naphthylamine Blue; NCI C61289; Niagara Blue; Niagara Blue 3B; NSC 11247; Orion Blue 3B; Paramine Blue 3B; Parkibleu; Parkipan; Pontamine Blue 3BX; Pyrazol Blue 3B; Pyrotropblau; RCRA waste number U236; Renolblau 3B; Trianol Direct Blue 3B; Triazolblau 3BX; Tripan Blue; Trypan (Congo) Blue; Trypan blue; Trypan blue (commercial grade); Trypan Blue BPC; Trypanblau; Trypane Blue. General use dyestuff, Trypan blue. Also used as a biological stain. Blue-gray poweder; soluble in H_2O, insoluble in organic solvents; LD_{100} (rat iv) = 300 mg/kg; LD_{50} (rat orl) = 6200 mg/kg, (rat iv) = 300 mg/kg; LDLO (rat ip) = 300 mg/kg, (gpg sc) = 300 mg/kg, (mus iv) = 100 mg/kg. *Baker J. T.; Cambrex.*

2652 Nicfo

3349-06-2 6533 G



$C_2H_2NiO_4$

Nickel(II) formate.

EINECS 222-101-0; Formic acid, nickel(2+) salt; Nickel diformate; Nickel formate. Used in manufacture of nickel compounds, including catalysts. Green crystals; dec 180-200°; $d^{20.2}$ = 2.154; soluble in H_2O, insoluble in organic solvents. *Mechema Chemicals Ltd.*

2653 Nickel

7440-02-0 6523 G

Ni

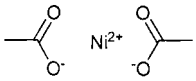
Ni

Nickel.

Alcan 756; C.I. 77775; Carbonyl nickel powder; CCRIS 427; EINECS 231-111-4; EL12; Fibrex; Fibrex P; HSDB 1096; Ni 0901-S; Ni 270; Ni 4303T; Nichel; Nickel 200; Nickel 201; Nickel 205; Nickel 207; Nickel 270; Nickel catalyst; Nickel compounds; Nickel, elemental; Nickel, elemental/metal; Nickel particles; Nickel sponge; NP 2; Raney alloy; Raney nickel; RCH 55/5. Metallic element, used in electroplating, as a hydrogenation catalyst and in iron- and copper-based alloys. Metal; mp = 1453°; bp (calc) = 2732°; d= 8.908. *Atomergic Chemetals; Inco, Europe; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

2654 Nickel acetate

373-02-4 6524 G



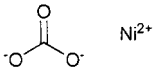
$C_4H_6NiO_4$

Nickel(II) acetate.

Acetic acid, nickel(2+) salt; AI3-26110; CCRIS 6206; EINECS 239-086-1; HSDB 1029; Nickel acetate; Nickel di(acetate); Nickel diacetate; Nickel(2+) acetate; Nickel(II) acetate; Nickel(II) acetate (1:2); Nickelous acetate; NSC 112210. Textile mordant, catalyst. Crystals; d = 1.744; soluble in H_2O (16.7 g/100 ml), EtOH. *Alcoa Ind. Chem.; Ashland; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

2655 Nickel carbonate

3333-67-3 G



$CNiO_3$

Nickel (II) carbonate.

Carbonic acid, nickel(2+) salt (1:1); EINECS 222-068-2; HSDB 1662; Nickel carbonate; Nickel carbonate ($NiCO_3$); Nickel monocarbonate; Nickel(2+) carbonate ($NiCO_3$); Nickel(II) carbonate; Nickelous carbonate. Chemical intermediate in manufacture of nickel oxide, nickel powder, and nickel catalysts. Used in vacuum tubes and transistor cans, as a catalyst to remove organic contaminants from wastewater or potable water in the preparation of colored glass, of nickel pigments, as a neutralizing compound in nickel electroplating solution, and in the preparation of many specialty nickel compounds. mp= 57°.

2656 Nickel carbonate, basic

12607-70-4 6527 G

$CH_4Ni_3O_7$

Nickel carbonate hydroxide.

Basic nickel(II) carbonate; (Carbonato(2-))tetrahydroxy-trinickel; Carbonic acid, nickel salt, basic; EINECS 235-715-9; HSDB 6154; Nickel, (carbonato(2-))tetra-hydroxytri-; Nickel carbonate hydroxide ($Ni_3(CO_3)(OH)_4$); Nickel carbonate hydroxide. Electroplating, preparation of nickel catalysts, ceramic colors and glazes. [tetrahydrate]; Yellow-green crystals; insoluble in H_2O, soluble in NH_3, dilute acids. *Ashland; Elf Atochem N. Am.; Farleyway Chem. Ltd.; M&T Harshaw; Nihon Kagaku Sangyo.*

2657 Nickel chloride

7718-54-9 6529 G

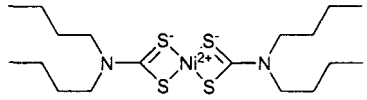
$NiCl_2$

Nickel(II) chloride.

CCRIS 1788; EINECS 231-743-0; EINECS 253-399-0; HSDB 860; Nickel chloride; Nickel chloride ($NiCl_2$); Nickel dichloride; Nickel(2+) chloride; Nickel(II) chloride; Nickelous chloride; NSC 254532; Hexahydrate [7791-20-0]. Electroplated nickel coatings, chemical reagent. Yellow crystals; bp = 987°; soluble in H_2O (1 g/ml), EtOH; LD (dog iv) = 40-80 mg/kg. *Ashland; Atomergic Chemetals; Elf Atochem N. Am.; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

2658 Nickel dibutyldithiocarbamate

13927-77-0 G H



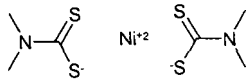
$C_{18}H_{36}N_2NiS_4$

Carbamic acid, dibutyldithio-, nickel(II) salt.

AI3-26152; Bis(dibutyldithiocarbamato)nickel; Carbamo-dithioic acid, dibutyl-, nickel(2+) salt; Dibutyldithio-carbamic acid, nickel salt; (Dibutyldithiocarbamato)-nickel(II); EINECS 237-696-2; HSDB 2950; Naugard® NBC; NBC; Nickel bis(dibutyldithiocarbamate); Nickel(II) dibutyldithiocarbamate; Nocrac NBC; NSC 4797; Perkacit® NDBC; Rylex NBC; UV Chek AM 104; Vanguard N. Nickel chelating UV stabilizer for polyolefins and accelerator for rubber. *Akzo Chemie; DuPont UK; Uniroyal.*

2659 Nickel dimethyldithiocarbamate

15521-65-0 G P



$C_6H_{12}N_2NiS_4$

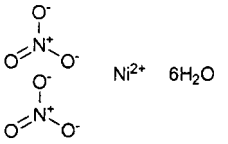
Nickel dimethylcarbamodithioate.

AI3-50831; Bis(dimethylcarbamodithioato-S,S')nickel; Bis(dimethyldithiocarbamato)nickel; Dimethyldithio-carb-amatonickel; Methyl niclate®; Nickel, bis(dimethyl-carb-amodithioato-kappaS,kappaS')-, (SP-4-1)-; Nickel, bis(di-methylcarbamodithioato-S,S')-; Nickel, bis(dimethyl-carb-amodithioato-S,S')-, (SP-4-1)-; Nocrac NMC; Robac Ni D.D.; Sankel. Antioxidant for epichlorohydrin and peroxide vulcanized elastomers. Fungicide and bactericide. Green powder; dec. > 250°; insoluble in

H_2O, soluble in $CHCl_3$ (0.029 g/100 ml), DMF (0.056 g/100 ml), THF (0.048 g/100 ml); LD_{50} (rat orl) > 36000 mg/kg, (mus orl) > 30000 mg/kg, (rat der) > 5000 mg/kg; LC_{50} (carp 48 hr.) = 360 mg/l. *Misaka; Vanderbilt R.T. Co. Inc.*

2660 Nickel nitrate

13478-00-7 G



$N_2NiO_6.6H_2O$

Nickel(II) nitrate.

Nickel dinitrate hexahydrate; Nickel(2+) dinitrate hexahydrate; Nickel(2+) nitrate, hexahydrate; Nickel(II) nitrate, hexahydrate (1:2:6); Nickelous nitrate hexahydrate; Nitric acid, nickel(2+) salt, hexahydrate. Used in nickel plating, preparation of nickel catalysts, manufacture of brown ceramic colors. Crystals; mp = 57°; bp = 137°; d = 2.05; soluble in H_2O (2.5 g/ml), EtOH; LD_{50} (rat orl) = 1.62 g/kg. *Mallinckrodt Inc.; Nihon Kagaku Sangyo; Noah Chem.*

2661 Nickel oxide

1313-99-1 6536 G

NiO

Nickel (II) oxide.

Black nickel oxide; Bunsenite; C.I. 77777; CCRIS 431; CI 77777; EINECS 215-215-7; Green nickel oxide; HSDB 1664; Mononickel oxide; Nickel (II) oxide; Nickel monoxide; Nickel oxide; Nickel oxide (NiO); Nickel oxide sinter 75; Nickel protoxide; Nickel(2+) oxide; Nickel(II) oxide; Nickelous oxide. Used in preparation of nickel salts, in porcelain painting and fuel cell electrodes. Green powder; mp = 1960°; d = 6.6700; insoluble in H_2O; soluble in acids. *Atomergic Chemetals; Cerac; Nihon Kagaku Sangyo; Noah Chem.*

2662 Nickel rutile yellow

8007-18-9 G

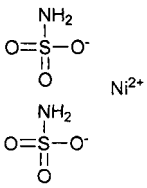
NiSbTi

C.I. Pigment Yellow 53.

C.I. Pigment Yellow 53; EINECS 232-353-3; Nickel antimony titanium yellow rutile; Nickel Rutile Yellow; V-9415. Pigment for thermoplastic and thermoset resins, especially high temperature engineering resins, PVC siding and profile, and industrial finishes. *Ferro.*

2663 Nickel sulfamate

13770-89-3 G



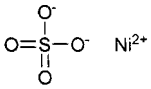
$H_4N_2NiO_6S_2$

Nickel (II) sulfamate dihydrate.

Aeronikl 250; Aeronikl 400; Aeronikl 575; AI3-18003; EINECS 237-396-1; Nickel sulfamate; Nickel (II) sulfamate; Nickel bis(sulphamidate); Nimate; NSC 78888; Sulfamic acid, nickel(2+) salt (2:1). For nickel electroforming and plating; aerospace and electronics application. *Albright & Wilson Americas Inc.; Atomergic Chemetals; CK Witco Corp.; Elf Atochem N. Am.; M&T Harshaw.*

2664 Nickel sulfate

7786-81-4 6541 G



NiO_4S

Nickel(II) sulfate.

EINECS 232-104-9; HSDB 1114; NCI-C60344; Nickel sulfate; Nickel sulfate ($NiSO_4$); Nickel sulfate(1:1); Nickel sulphate; Nickel(2+) sulfate; Nickel(II) sulfate; Nickelous sulfate; NSC 51152; Sulfuric acid, nickel(2+) salt (1:1); Sulphuric acid, nickel(II) salt. Also occurs as the hexahydrate [10101-97-0; 232-104-9] and the heptahydrate [10101-98-1; 205-788-1]. Used in the electroplating trade. Hexahydrate loses $5H_2O$ at 100° and becomes anhydrous at 280°. Soluble in H_2O (0.7 g/ml); LD_{50} (gpg sc) ■ 62 mg/kg.

2665 Nickel, tetrakis(tritolyl phosphite)-

35884-66-3 H

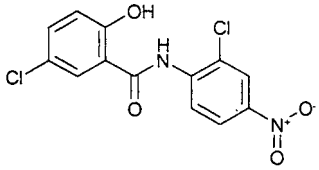
$C_{84}H_{84}NiO_{12}P_4$

Nickel, tetrakis(tris(methylphenyl) phosphite-P)-.

EINECS 252-777-2; Nickel, tetrakis(tris(methylphenyl) phosphite-P)-; Nickel, tetrakis(tritolyl phosphite)-; Tetrakis(tritolyl phosphite)nickel.

2666 Niclosamide

50-65-7 6543 G V



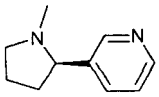
$C_{13}H_8Cl_2N_2O_4$

5-chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenz-amide.

AI3-25823; Atenase; B 2353; BAY 2353; Bayer 2353; Bayer 73; Bayluscid; BRN 2820605; CCRIS 3437; Cestocid; Chemagro 2353; Devermin; Devermine; Dichlosale; EINECS 200-056-8; ENT 25823; Fedal-Telmin; Fenasal; Helmiantin; HL 2447; HSDB 1572; Iomesan; Iomezan; Lintex; Mansonil; Mato; Nasemo; Niclocide; Niclosamida; Niclosamide; Niclosamidum; Nitrophenyl chlorsalicylamide; NSC 178296; Phenasal; Radeverm; Sagimid; Salicylanilide, 2',5-dichloro-4'-nitro-; SR 73; Sulqui; Tredemine; Vermitid; Vermitin; WR 46234; Yomesan; Zestocarp. Used in medicine and veterinary medicine as an anthelmintic. Veterinary preparation; anthelmintic (Cestodes); used against tapeworm infestation in ruminants, dogs, and cats. The ethanolamine salt is used as a molluscicide. mp = 225-230°; insoluble in H_2O, sparingly soluble in organic solvents. *Bayer AG.*

2667 Nicotine

54-11-5 6551 D G



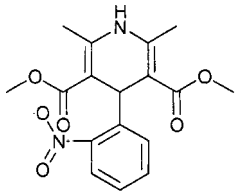
$C_{10}H_{14}N_2$

3-(1-methyl-2-pyrollidinyl)pyridine.

AI3-03424; Black leaf; Black Leaf 40; Caswell No. 597; CCRIS 1637; Destruxol orchid spray; EINECS 200-193-3; Emo-nik; ENT 3,424; EPA Pesticide Chemical Code 056702; Flux MAAG; Fumetobac; Habitrol; HSDB 1107; Mach-Nic; L-3-(1-Methyl-2-pyrrolidyl)pyridine; Micotine; Niagara P.A. dust; Nic-Sal; Nico-dust; Nico-fume; Nicocide; Nicotin; Nicotina; Nicotine; l-Nicotine; L-Nicotine; Nicotine alkaloid; Nicotine and salts; Nikotin; Nikotyna; NSC 5065; Ortho N-4 dust; Ortho N-4 and N-5 dusts; Ortho N-5 dust; Prostep; Pyridine, 3-((2S)-1-methyl-2-pyrrolidinyl)-; Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-; Pyrrolidine, 1-methyl-2-(3-pyridal)-; RCRA waste number P075; Tendust; Tetrahydronicotyrine, dl-; UN1654; XL-All Insecticide. Component of leaves of *Nicotiana tabacum and N. rustica*. An alkaloid insecticide which is the addictive principal in tobacco. Oil; bp = 243-248°; d = 1.017; $[\alpha]^{20}_D$ = -168±5° (c ■ 5, H_2O); miscible with H_2O, soluble in organic solvents; LD_{50} (mus iv) = 0.3 mg/kg, (mus ip) = 9.5 mg/kg, (mus orl) = 230 mg/kg. *Synchemicals Ltd.*

2668 Nifedipine

21829-25-4 6555 D



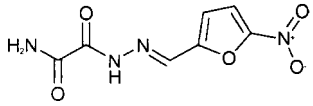
$C_{17}H_{18}N_2O_6$

Dimethyl 1,4-dihydro-2,6-dimethyl-4-(o-nitrophenyl)-3,5-pyridinedicarboxylate.

5-22-04-00268 (Beilstein Handbook Reference); Adalat; Adalat CC; Adalate; Adapress; Aldipin; Alfadat; Anifed; Aprical; Bay a 1040; Bonacid; BRN 0497773; Camont; CCRIS 6074; Chronadalate; Citilat; Coracten; Cordicant; Cordilan; Cordipin; Corinfar; Corotrend; Duranifin; Ecodipi; EINECS 244-598-3; Fenihidin; Fenihidine; Hexadilat; Introcar; Kordafen; Nifedicor; Nifedin; Nifedipine; Nifedipino; Nifedipinum; Nifelan; Nifelat; Nifensar XL; Orix; Oxcord; Pidilat; Procardia; Procardia XL; Sepamit; Tibricol; Zenusin. Dihydropyridine calcium channel blocker. Coronary vasodilator used as an antianginal agent. mp = 172-174°; λ_m = 340, 235 nm (ε 5010, 21590 MeOH), 338, 238 nm (ε 5740, 20600 0.1N HCl), 340, 238 nm (5740, 20510 0.1N NaOH); soluble in Me_2CO (25.0 g/100 ml), CH_2Cl_2 (16 g/100ml), $CHCl_3$ (14 g/100 ml), EtOAc (5 g/100 ml), MeOH (2.6 g/100 ml), EtOH (1.7 g/100 ml); LD_{50} (mus orl) = 494 mg/kg, (mus iv) = 4.2 mg/kg, (rat orl) = 1022 mg/kg, (rat iv) = 15.5 mg/kg. *Bayer AG; Miles Inc.; Pfizer Inc.; Pratt Pharm.*

2669 Nifuraldezone

3270-71-1 6558 D G



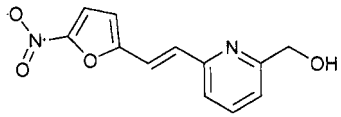
$C_7H_6N_4O_5$

5-Nitro-2-furaldehyde semioxamazone.

4-17-00-04465 (Beilstein Handbook Reference); Aldefur Bolus Veterinary; BRN 0239535; CBC 503239; EINECS 221-890-9; Entefur Bolus Veterinary; Furamazone; NF-84; Nifuraldezon; Nifuraldezona; Nifuraldezone; Nifural-dezonum; NSC-3184. Antibacterial. Crystals; mp = 270° (dec). *Eaton Labs.; Norwich Eaton.*

2670 Nifurpirinol

13411-16-0 6564 D G



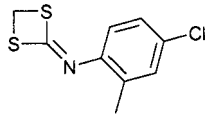
$C_{12}H_{10}N_2O_4$

6-[2-(5-Nitro-2-furyl)vinyl]-2-pyridinemethanol.

BRN 1216943; CCRIS 1046; EINECS 236-503-9; Furanace; Furanace-10; Furpirinol; Furpyrinol; NF 323; Nifurpirinol; Nifurpirinolum; P-7138. Used to treat bacterial diseases in fish. Antibacterial agent. Yellow needles; mp = 170-171°; LD_{50} (eel orl) = 1780 mg/kg. *Daiichi Seiyaku; Yamanouchi U.S.A. Inc.*

2671 Nimidane

50435-25-1 6578 G P



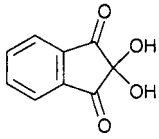
$C_9H_8ClNS_2$

4-Chloro-N-1,3-dithietan-2-ylidene-2-methylbenzene-amine.

84633; Abequito; AC 84633; AI3-29106; Benzenamine, 4-chloro-N-1,3-dithietan-2-ylidene-2-methyl-; Benzene-amine, 4-chloro-N-1,3-dithietan-2-ylidene-2-methyl-; (4-Chloro-2-tolyl)-dithio-imidocarbonic acid cyclic methyl-ene ester; CL 84,633; Cyclic methylene (4-chloro-o-tolyl)-dithioimidocarbonate; ENT 29106; Nimidane; Nimidano; Nimidanum. Acaricide. Crystals; mp ■ 43-46°. *Am. Cyanamid.*

2672 Ninhydrin

485-47-2 6582 G



$C_9H_6O_4$

2,2-Dihydroxy-1H-indene-1,3(2H)-dione.

4-07-00-02786 (Beilstein Handbook Reference); AI3-04464; BRN 1910963; CCRIS 4849; 2,2-Dihydroxy-1,3-indandione; 2,2-Dihydroxy-1H-indene-1,3(2H)-dione; EINECS 207-618-1; Indan-1,2,3-trione; 1,2,3-Indantrione, 2-hydrate; 1,2,3-Indantrione monohydrate; 1,3-Indandione, 2,2-dihydroxy-; 1H-Indene-1,3(2H)-dione, 2,2-dihydroxy-; Ninhydrin; Ninhydrin hydrate; Triketohydrindene hydrate. A colorimetric reagent used for aminoacids. Pale yellow crystals; mp = 241-243° (dec); λ_m = 485 nm (ε 1259, pH 7.8), 250, 294 nm (ε = 7943, 1000, pH 4.2); slightly soluble in Et_2O,soluble in EtOH, alkali, very soluble in H_2O; LD_{50} (mus ip) = 78 mg/kg.

2673 Niobium

7440-03-1 6584 G

Nb

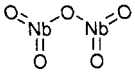
Nb

Niobium.

Columbium; EINECS 231-113-5; Niobium; Niobium-93; Niobium element; VN 1. Metallic element; used in ferrous metallurgy; for superconducting and magnetic alloys, cermets, missiles and rockets, cryogenic equipment, ferroniobium for alloy steels. Metal; mp = 2468°; bp = 4927°; d = 8.57. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

2674 Niobium oxide

1313-96-8 6587 G



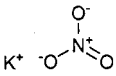
Nb_2O_5

Niobium(V) pentoxide.

Diniobium pentaoxide; Diniobium pentoxide; EINECS 215-213-6; Niobia; Niobium oxide; Niobium oxide (Nb_2O_5); Niobium pentaoxide; Niobium pentoxide; Niobium(5+) oxide; Niobium(V) oxide. Used as a chemical intermediate, in electronics fabrication. White crystals; mp = 1520°; d= 4.6; insoluble in H_2O, soluble in HF or H_2SO_4. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

2675 Niter

7757-79-1 7733 D G P



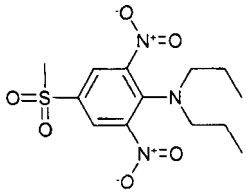
KNO_3

Potassium nitrate.

AI3-51245; Caswell No. 697; CCRIS 3667; Collo-Bo; EINECS 231-818-8; EPA Pesticide Chemical Code 076103; HSDB 1227; Kalii nitras; Kaliumnitrat; Niter; Nitrate of potash; Nitre; Nitric acid, potassium salt; NSC 57632; Petre; Potassium nitrate; Prismatic niter; Sal niter; Sal prunella; Salt peter; Saltpeter; Saltpeter flour; UN1486; Vicknite; saltpeter. Used in pyrotechnics, explosives, matches, fertilizer, reagent, glass manufacture, tempering steel, curing foods, oxidizer in solid rocket propellants. Registered by EPA as an antimicrobial and rodenticide. Used as a fertilizer, but leads to water runoff pollution. Used medicinally as a diuretic. Colorless prisms; mp = 333°; dec 400°; d = 2.11; soluble in H_2O (35.7 g/100 ml 25°, 200 g/100 ml 100°), EtOH (0.16 g/100 ml); LD_{50} (rbt orl) = 1.16 g/kg. *Am. Biorganics; EM Ind. Inc.; Mallinckrodt Inc.; San Yuan Chem. Co. Ltd.; Whiting Peter Ltd.*

2676 Nitralin

4726-14-1 6600 G P



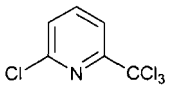
$C_{13}H_{19}N_3O_6S$

4-(methylsulfonyl)-2,6-dinitro-N,N-dipropylbenzene-amine.

SD 11831; Planavin. Herbicide. mp = 150-151°; slighlty soluble in H_2O (0.6 mg/l), more soluble in polar organic solvents; LD_{50} (rat orl) >2 g/kg.

2677 Nitrapyrin

1929-82-4 6604 P



$C_6H_3Cl_4N$

α,α,α-6-Tetrachloro-2-picoline.

5-20-05-00500 (Beilstein Handbook Reference); BRN 1618997; Caswell No. 217; CCRIS 4599; 2-Chloro-6-(trichloromethyl)pyridine; Dowco-163; EINECS 217-682-2; EPA Pesticide Chemical Code 069203; N-Serve; N-Serve nitrogen stabilizer; Nitrapyrin; Nitrapyrine; Pyridine, 2-chloro-6-(trichloromethyl)-. Used to control *Nitrosomonas* bacteria in soils. Registered by EPA as an antimicrobial and disinfectant. Crystals; mp = 62.5 - 62.9°; bp_{11} = 136 - 137.5°, soluble in H_2O (0.004 g/100 ml), anhydrous NH_3 (54 g/100 ml), EtOH (23.7 g/100 ml), Me_2CO (156 g/100 ml), CH_2Cl_2 (246 g/100 ml), xylene (89.4 g/100 ml); LD_{50} (rat orl) = 1072 - 1231 mg/kg, (rbt der) = 2830 mg/kg, (ckn orl) = 235 mg/kg; LC_{50} (mallard duck 8 day dietary) ■ 1466 mg/kg, (Japanese quail 8 day dietary) = 820 mg/kg, (channel catfish) 5.8 mg/l; non toxic to Ramshorn snails or to *Daphnia. Dow AgroSciences; DowElanco Ltd.; UAP - Platte Chemical.*

2678 Nitric acid

7697-37-2 6608 G

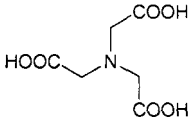
HNO_3

Hydrogen nitrate.

Acide nitrique; Acido nitrico; Acidum nitricum; Aqua fortis; Azotic acid; Azotowy kwas; EINECS 231-714-2; Engraver's acid; HSDB 1665; Kyselina dusicne; Nital; Nitric acid; Nitric acid, anhydrous; Nitric acid, red fuming; Nitrous fumes; Nitryl hydroxide; Red fuming nitric acid; RFNA; Salpetersaeure; Salpetersäure; Salpetersaure; Salpeterzuuroplossingen; UN2031; UN2032. Used in manufacture of ammonium nitrate for fertilizer and explosives, organic synthesis (dyes, drugs, explosives, cellulose nitrate, nitrate salts), metallurgy, photo-engraving, etching steel, ore flotation, urethanes, rubber chemicals, nuclear fuel. Liquid; mp = -42°; bp = 83°; d_4^{25}= 1.50269. *Aceto Corp.; Air Prods & Chems; Am. Cyanamid; Angus; Asahi Chem. Industry; DuPont; Miles Inc.; Monsanto Co.; Nissan Chem. Ind.; Norsk Hydro AS.*

2679 Nitrilotriacetic acid

139-13-9 6612 G



$C_6H_9NO_6$

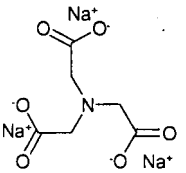
Triglycollamic acid.

4-04-00-02441 (Beilstein Handbook Reference); Acetic acid, nitrilotri-; AI3-52483; Aminotriacetic acid; Aminotriethanoic acid; N,N-Bis(carboxymethyl)glycine; BRN 1710776; CCRIS 436; CHEL 300; Complexon I; EINECS 205-355-7; Glycine, N,N-bis(carboxymethyl)-; Hampshire NTA acid; HSDB 2853; Komplexon I; Kyselina nitrilotrioctova; NCI-C02766; Nitrilo-2,2',2"-triacetic acid; Nitriloacetate; Nitrilotriacetate; Nitrilo-triacetic acid; Nitrilotriessigsaeure; Nitrilo-triessigsäure; NSC 2121; NTA; TG Buffer; Titripiex I; Tri(carboxy-methyl)amine; Triglycine; Trilon A;

α,α',α''-Trimethyl-aminetricarboxylic acid; Versene NTA acid; A chelating, sequestering and metal complexing agent; builder in synthetic detergents. Cream-colored crystals; mp = 242° (dec); slightly soluble in H_2O (1.28 g/l), DMSO, soluble in EtOH.. *Grace W.R. & Co.; Greeff R.W. & Co.; Hampshire.*

2680 Nitrilotriacetic acid, trisodium salt

5064-31-3 GP



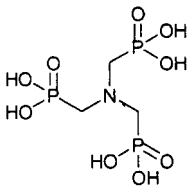
$C_6H_6NNa_3O_6$

Trisodium N,N-bis(carboxymethyl)glycinate.

Acetic acid, nitrilotri-, trisodium salt; CCRIS 1404; Cheelox NTA-14 - Na3; Chemcolox 365 powder; EINECS 225-768-6; Glycine, N,N-bis(carboxymethyl)-, trisodium salt; Hampshire NTA; Hampshire NTA 150; HSDB 1013; Masquol np 140; Nitrilotriacetic acid sodium salt; Nitrilotriacetic acid, trisodium salt; NTA Trisodium salt; Ntana3; Sodium nitrilotriacetate; Syntron A; Trilon A; Trisodium 2,2',2''-nitrilotriacetate; Trisodium amino-triacetate; Trisodium nitrilotriacetate; Trisodium NTA; Versene NTA 150; Versene NTA 335. A chelating agent used as a sequestrant. Used primarily as a chelating agent and as a binder in synthetic detergents.The compound sequesters magnesium and calcium ions present in hard water which would normally inhibit the activity of detergent surfactants. Also used as a chelator in water treatment, textile manufacture and analytical chemistry, as a boiler feedwater additive and in metal plating, metal cleaning and pulp and paper processing. Registered by EPA as an antimicrobial and disinfectant. *Biosentry, Inc.; Rhône Poulenc Surfactants.*

2681 Nitrilotrimethanephosphonic acid

6419-19-8 GH



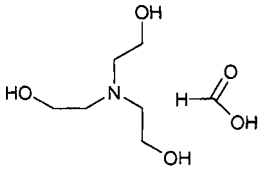
$C_3H_{12}NO_9P_3$

Aminotri(methylene phosphonic acid).

4-01-00-03070 (Beilstein Handbook Reference); AI3-51572; BRN 1715724; Dequest 2000; Dowell L 37; EINECS 229-146-5; Ferrofos 509; Fostex AMP; Phosphoric acid, (nitrilotris-(methylene))tris-; Tris(phos-phonomethyl)amine. Scale inhibitor and sequestrant used in water treatment. Liquid; mp = -14°; bp = 105°; d = 1.33; LD_{50} (rat orl) = 2100 mg/kg. *Henkel.*

2682 2,2',2''-Nitrilotrisethanol formate

24794-58-9 H



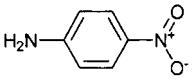
$C_6H_{15}NO_3.CH_2O_2$

Formic acid, compd. with 2,2',2''-nitrilotriethanol (1:1).

EINECS 246-463-4; Formic acid, compd. with 2,2',2''-nitrilotris(ethanol) (1:1); 2,2',2''-Nitrilotrisethanol formate.

2683 4-Nitroaniline

100-01-6 6617 GH



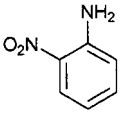
$C_6H_6N_2O_2$

p-Nitroaniline.

AI3-08926; para-Aminonitrobenzene; Aniline, 4-nitro-; Aniline, p-nitro-; Azoamine Red ZH; Azofix Red GG Salt; Azoic Diazo Component 37; Benzenamine, 4-nitro-; CCRIS 1184; CI 37035; CI Azoic Diazo Component 37; CI Developer 17; Developer P; Devol Red GG; Diazo Fast Red GG; EINECS 202-810-1; Fast Red 2G Salt; Fast Red 2G Base; Fast Red Base GG; Fast Red Base 2J; Fast Red GG Salt; Fast Red GG Base; Fast Red MP Base; Fast Red P Base; Fast Red P Salt; Fast Red Salt 2J; Fast Red Salt GG; HSDB 1156; Naphtoelan Red GG Base; NCI-C60786; Nitrazol CF Extra; para-Nitroaniline; NSC 9797; PNA; RCRA waste number P077; Red 2G Base; Shinnippon Fast Red GG Base; UN1661. Intermediate for dyes, antioxidants; gasoline gum inhibitors; corrosion inhibitor. Pale yellow needles; mp = 147°; bp = 332°; d^{20} = 1.424; λ_m = 228 nm (MeOH); insoluble in H_2O, slightly soluble in C_6H_6, DMSO, soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$, C_7H_8, very soluble in MeOH. *EniChem Am.; Hoechst AG; Monsanto Co.*

2684 o-Nitroaniline

88-74-4 6616 H



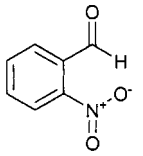
$C_6H_6N_2O_2$

Benzenamine, 2-nitro-.

AI3-02916; Aniline, o-nitro-; Azoene Fast Orange GR Salt; Azoene Fast Orange GR Base; Azofix Orange GR Salt; Azogene Fast Orange GR; Azoic Diazo Component 6; Benzenamine, 2-nitro-; Brentamine Fast Orange GR Base; Brentamine Fast Orange GR Salt; CCRIS 2317; CI 37025; CI Azoic Diazo Component 6; Devol Orange B; Devol Orange Salt B; Diazo Fast Orange GR; EINECS 201-855-4; Fast Orange Base JR; Fast Orange Base GR; Fast Orange GR Base; Fast Orange GR Salt; Fast Orange O Salt; Fast Orange O Base; Fast Orange Salt GR; Fast Orange Salt JR; Hiltonil Fast Orange GR Base; Hiltosal Fast Orange GR Salt; Hindasol Orange GR Salt; HSDB 1132; Natasol Fast Orange GR Salt; NSC 9796; ONA; Orange Base Ciba II; Orange Base IRGA II; Orange GRS Salt; Orange Salt Ciba II; Orange Salt IRGA II; Orthonitroaniline; UN1661. Used in manufacture of dyestuffs. Crystals; mp = 71.2°; bp = 284°; d^{15} = 1.442; λ_m = 232, 277 nm (MeOH); poorly soluble in H_2O, more soluble in EtOH, very soluble in Et_2O, Me_2CO, C_6H_6, $CHCl_3$.

2685 o-Nitrobenzaldehyde

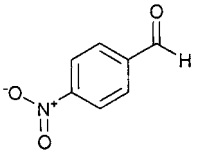
552-89-6 G



$C_7H_5NO_3$
2-Nitrobenzaldehyde.
AI3-02415; Benzaldehyde, 2-nitro-; Benzaldehyde, o-nitro-; CCRIS 2322; EINECS 209-025-3; 2-Nitro-benzaldehyde; o-Nitrobenzaldehyde; NSC 5713. Used in the synthesis of dyes, pharmaceuticals, surface active agents. Yellow needles; mp = 43.5°; bp_{23} = 153°; d^{20} = 1.1111; λ_m = 252 nm (ε - 4400, MeOH); slightly soluble in H_2O, $CHCl_3$, very soluble in EtOH, Et_2O, Me_2CO, C_6H_6. *Lancaster Synthesis Co.; Penta Mfg.*

2686 p-Nitrobenzaldehyde

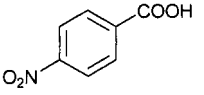
555-16-8 G



$C_7H_5NO_3$
4-Nitrobenzaldehyde.
AI3-52475; Benzaldehyde, 4-nitro-; Benzaldehyde, p-nitro-; CCRIS 1675; EINECS 209-084-5; p-Formylnitrobenzene; NSC 6103; 4-Nitrobenzaldehyde; p-Nitrobenzaldehyde. Used in the synthesis of dyes, pharmaceuticals, surface active agents. Prisms; mp = 107°; bp sublimes; d^{25} = 1.496; λ_m = 265 nm (ε = 10600, MeOH); slightly soluble in H_2O, Et_2O, ligroin, soluble in C_6H_6, CCl_3, AcOH, very soluble in EtOH. *Lancaster Synthesis Co.; Penta Mfg.*

2687 p-Nitrobenzoic acid

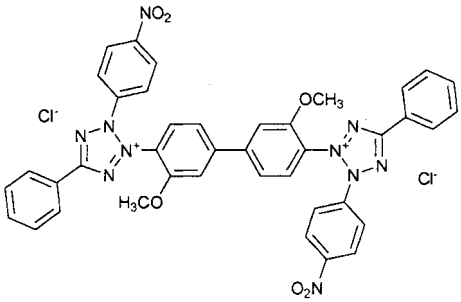
62-23-7 G H



$C_7H_5NO_4$
Benzoic acid, 4-nitro-.
AI3-00149; Benzoic acid, 4-nitro-; Benzoic acid, p-nitro-; CCRIS 1185; EINECS 200-526-2; HSDB 2140; Kyselina p-nitrobenzoova; Nitrodracylic acid; 4-Nitrodracylic acid; NSC 7707; p-Nitrobenzenecarboxylic acid; p-Nitrobenzoic acid. Organic synthesis. mp = 242°; d^{20} ▪ 1.610; λ_m = 259 nm (MeOH); soluble in H_2O (4.2 g/100 ml), more soluble in organic solvents. *Akzo Nobel; DuPont; Hüls Am.; Lancaster Synthesis Co.; Mallinckrodt Inc.; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.*

2688 Nitro Blue tetrazolium

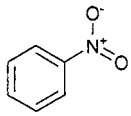
298-83-9 G



$C_{40}H_{30}Cl_2N_{10}O_6$
2H-tetrazolium, 3,3'-(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis[2-(4-nitrophenyl)-5-phenyl-, dichloride.
EINECS 206-067-4; NBT; NBT (dye); Nitro Blue tetrazolium salt; Nitro Blue tetrazolium chloride; Nitro BT; Nitro tetrazolium BT; Nitroblue tetrazolium; Nitroblue tetrazolium salt; (4-Nitrophenyl)-5-phenyl-,dichloride; Nitrotetrazolium Blue; Nitrotetrazolium Chloride Blue; NSC 27622; p-Nitro Blue tetrazolium; p-Nitro Blue tetrazolium chloride; p-Nitrotetrazolium Blue; 2H-Tetrazolium, 3,3'-(3,3'-dimethoxy(1,1'-biphenyl)-4,4'-diyl)bis(2-4,4'-ylene)ditetrazolium dichloride; Tetraz-olium nitro BT; Tetrazolium Nitro Blue. Activity stain for electrophoresis and histochemistry. Substrate for dehydrogenase. Crystals; mp = 200°. *Monomer-Polymer & Dajac.*

2689 Nitrobenzene

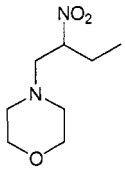
98-95-3 6621 G H



$C_6H_5NO_2$
Benzene, nitro-.
AI3-01239; Benzene, nitro-; Caswell No. 600; CCRIS 2841; EINECS 202-716-0; EPA Pesticide Chemical Code 056501; Essence of mirbane; HSDB 104; Mirbane oil; Mononitrobenzene; NCI-C60082; Nitrobenzeen; Nitro-benzen; Nitrobenzene; p-Nitrobenzene; Nitrobenzol; NSC 9573; Oil of mirbane; Oil of myrbane; RCRA waste number U169; UN1662. Used as a chemical intermediate and as a solvent. Used in the manufacture of aniline, solvent for cellulose ether, modifying esterfication of cellulose acetate, ingredient of metal polishes; manufacture of benzoline, quinoline, and azobenzene. Liquid; mp = 5.7°; bp = 250°, bp_{16} = 137°; d^{24} = 1.126; LD_{50} (rat orl) = 780 mg/kg.

2690 Nitrobutylmorpholine

2224-44-4 G P

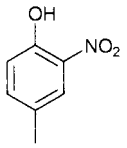


$C_8H_{16}N_2O_3$
4-(2-Nitrobutyl)morpholine.
4-27-00-00027 (Beilstein Handbook Reference); Bioban P 1487; BRN 0149001; Caswell No. 601A; EINECS 218-748-3; EPA Pesticide Chemical Code 100801; Morpholine, 4-(2-nitrobutyl)-; 4-(2-Nitrobutyl)morph-oline; N-(2-Nitrobutyl)morpholine; Vancide 40;

Vancide F 5386. A mixture of 4,4-(2-Ethyl-2-nitro-trimethylene) dimorpholine (30%) and 4-(2-Nitrobutyl)morpholine (70%), known as Bioban P 1487, is used as a preservative. Registered by EPA as an antimicrobial and disinfectant. *Dow Chem. U.S.A.*

2691 2-Nitro-p-cresol

119-33-5 H



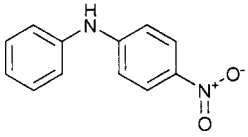
$C_7H_7NO_3$

4-Hydroxy-3-nitrotoluene.

4-06-00-02149 (Beilstein Handbook Reference); 4-Hydroxy-3-nitrotoluene; AI3-15389; BRN 1868022; EINECS 204-315-6; NSC 5387; 2-Nitro-4-cresol; 2-Nitro-p-cresol; 2-Nitro-4-methylphenol; o-Nitro-p-cresol; p-Cresol, 2-nitro-. Yellow needles; mp = 36.5°; bp^{22} = 125°; d^{20} = 1.2399; very soluble in Me_2CO, C_6H_6, Et_2O, EtOH.

2692 p-Nitrodiphenylamine

836-30-6 H



$C_{12}H_{10}N_2O_2$

4-Nitrodiphenylamine.

4-12-00-01619 (Beilstein Handbook Reference); AI3-02915; Amine, diphenyl, 4-nitro-; Benzenamine, 4-nitro-N-phenyl-; BRN 2051910; CCRIS 5174; Diphenylamine, 4-nitro-; EINECS 212-646-2; HSDB 5763; 4-Ndpa; 4-Nitro-N-phenylaniline; 4-Nitrodifenylamin; 4-Nitrodiphenylamine; p-Nitrodiphenylamine; N-(4-Nitrophenyl)benzenamine; p-Nitrophenylphenylamine; NSC 33836. Crystals; mp = 135.3°; bp_{30} = 211°; λ_m = 258, 390 nm (ε = 8330, 16900, MeOH); insoluble in H_2O, slightly soluble in Me_2CO, soluble in conc. H_2SO_4; very soluble in EtOH, AcOH.

2693 Nitroethane

79-24-3 6630 G H

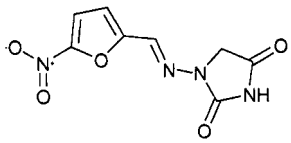
$C_2H_5NO_2$

Nitroethane.

AI3-00110; CCRIS 3088; EINECS 201-188-9; Ethane, nitro-; HSDB 105; NE; Nitroetan; Nitroethane; NSC 8800; UN2842. Intermediate, stabilizer for halogenated solvents, additive in fuels and explosives, solvent for coatings or industrial processes. Liquid; mp = -89.5°; bp = 114°; d^{25} = 1.0448; soluble in H_2O (4.5 g/100 ml), very soluble in EtOH, moderately soluble in Et_2O, Me_2CO, $CHCl_3$. *Grace W.R. & Co.; Spectrum Chem. Manu-facturing; Whittaker Clark & Daniels.*

2694 Nitrofurantoin

67-20-9 6632 D



$C_8H_6N_4O_5$

1-[(5-Nitrofurfurylidene)amino]hydantoin.

AI3-26388; Alfuran; Benkfuran; Berkfuran; Berkfurin; CCRIS 1192; Ceduran; Chemiofuran; Cistofuran; Cyantin; Cystit; Dantafur; EINECS 200-646-5; Fua Med; FuaMed; Fur-ren; Furabid; Furachel; Furadantin; Furadantin Retard; Furadantina MC; Furadantine; Furadantine MC; Furadantoin; Furadoin; Furadoine; Furadonin; Furadonine; Furadoninum; Furadontin; Furagin; Furalan; Furaloid; Furantoin; Furantoina; Furatoin; Furazidin; Furedan; Furina; Furobactina; Furophen T; Furophen T-Caps; Gerofuran; HSDB 3135; Ituran; Macpac; Macrobid; Macrodantin; Macrodantina; Macrofuran; Macrofurin; NCI-C55196; Nierofu; Nifurantin; Nifuretten; Nitoin; Nitrex; Nitrofur-C; Nitrofuradantin; Nitrofurantoin; Nitrofurantoina; Nitrofurantoine; Nitrofurantoinum; Novofuran; NSC 2107; Orafuran; Parfuran; Phenurin; PiyEloseptyl; Ro-Antoin; Siraliden; Trantoin; Uerineks; Urantoin; Urizept; Uro-Selz; Uro-Tablinen; Urodin; Urofuran; Urofurin; Urolisa; Urolong; USAF EA-2; Welfurin; Zoofurin. Nitrofuran antibiotic. Used to treat mastitis in cows. Solid; dec 270-272°; λ_m = 370 nm ($E^{1\%}_{1cm}$ 776); soluble in H_2O (0.019 g/100 ml at pH 7), EtOH 0.051 g/1oo ml), Me_2CO (0.51o g/100 ml), dmg (8 g/100 ml), glycerol (0.06 g/100 ml), polyethylene glycol (1.5 g/100 ml). *Eaton Labs.; Norwich Eaton; Parke-Davis; Procter & Gamble Pharm. Inc.*

2695 Nitrogen dioxide

10102-44-0 6636 G

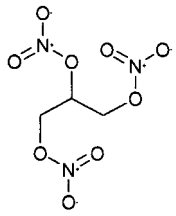
N_2O_4

Dinitrogen tetroxide.

Azote; Azoto; CCRIS 4040; Dioxido de nitrogeno; EINECS 233-272-6; HSDB 718; Nitrito; Nitro; Nitrogen dioxide; Nitrogen dioxide (NO_2); Nitrogen oxide (NO_2); Nitrogen peroxide; Nitrogen peroxide, liquid; Peroxyde d' azote; RCRA waste number P078; Stickstoffdioxid; Stikstofdioxyde. Used as a chemical intermediate, oxidizing agent and propellant. Brown gas; mp = -9°; bp = 21°; d_4^{20} = 1.448.

2696 Nitroglycerin

55-63-0 6640 D H



$C_3H_5N_3O_9$

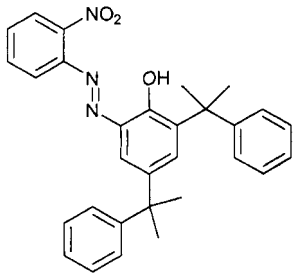
1,2,3-Propanetriol trinitrate.

4-01-00-02762 (Beilstein Handbook Reference); Adesitrin; Aldonitrin; Angibid; Anginine; Angiolingual; Angiplex; Anglix; Angonist; Angorin; Aquo-Trimitrosan; Blasting gelatin; Blasting oil; BRN 1802063; Buccard; Cardabid; Cardamist; Cardinit; Cardiodisco; CCRIS 4089; Chitamite; Colenitral; Corangin Nitrokapseln; Cordipatch; Corditrine; Coro-Nitro; Dauxona; Deponit; Deponit 5; Deponit TTS 5; Deponit TTS 10; Diafusor; Discotrine; EINECS 200-240-8; Epinitril; Gepan Nitroglicerin; Gilucor nitro; Gilustenon; Glonoin; Glycerintrinitrate; Glycerol (trinitrate de); Glycerol, nitric acid triester; Glycerol trinitrate; Glycerol(trinitrate de); Glyceroltrinitraat;

Glyceryl nitrate; Glyceryl trinitrate; Glycerylnitrat; Glytrin; GTN; GTN-Pohl; Herwicard; Herzer; HSDB 30; Klavikordal; Lenitral; Lentonitrina; Mi-Trates; Millisrol; Minitram; Minitran; Mionitrat; Myocon; Myoglycerin; Myovin; Natispray; Neos nitro OPT; NG; Niglin; Niglycon; Niong; Niong Retard; Nirmin; Nit-Ret; Nitora; Nitradisc; Nitradisc Pad; Nitradisc TTS; Nitrek; Nitric acid triester of gylcerol; Nitriderm TTS; Nitrin; Nitrine; Nitrine-TDC; Nitro-Bid; Nitro-Dur; Nitro-Dur 10; Nitro-Dur 5; Nitro Dur TTS; Nitro-Gesanit Retard; Nitro-lent; Nitro-M-Bid; Nitro Mack Retard; Nitro-Par; Nitro-Pflaster; Nitro Retard; Nitro Rorer; Nitro-Span; Nitro-Time; Nitroard; Nitrobaat; Nitrobid Oint; NitroBid; Nitrobukal; Nitrocap T.D.; Nitrocerin; Nitrocine; Nitrocine 5; Nitroclyn; Nitrocontin; Nitrocontin Continus; Nitrocor; NitroCor; Nitrocot; Nitroderm; Nitroderm TTS; Nitroderm TTS-5; Nitroderm TTS Ext; Nitrodisc; Nitrodyl; Nitrodyl TTS; Nitrogard; Nitrogard-SR; Nitroglicerina; Nitrogliceryna; Nitroglin; Nitroglycerin; Nitroglycerin-ACC; Nitro-glycerin, spirits of; Nitroglycerine; Nitroglycerol; Nitroglyn; Nitrol; Nitrol Ointment; Nitrolan; Nitroletten; Nitrolin; Nitrolingual; Nitrolingual Spray; Nitrolowe; Nitromack Retard; Nitromel; Nitromex; Nitromint; Nitromint Aerosol; Nitromint Retard; Nitronal Aqueous; Nitronet; Nitrong; Nitrong Retard; Nitrong-SR; Nitropatch; Nitropen; Nitropercuten; Nitroperlinit; Nitroplast; Nitroprol; Nitropront; Nitroprontan; Nitrorectal; Nitroretard; Nitrorex; Nitrospan; Nitrostabilin; Nitrostat; Nitrovis; Nitrozell retard; NK-843; NTG; NTS; Nysconitrine; Percutol; Percutol Oint.; Perganit; Perglottal; Perlinganit; Plastranit; Polnitrin; Propanetriol trinitrate; Ratiopharm; RCRA waste no. P081; RCRA waste number P081; SDM No. 17; SDM No. 27; SK-106N; Solution glyceryl trinitrate; Soup; Spirit of glonoin; Spirit of glyceryl trinitrate; Spirit of trinitroglycerin; Susadrin; Suscard; Sustonit; Temponitrin; Top-Nitro; Transderm-N TTS; Transderm-Nitro TTS; Transiderm-Nitro; Tridil; Trinalgon; Trinipatch; Triniplas; Trinitrin; Trinitrina Erba; Trinitrine Simple Laleuf; Trinitroglicerina Fabra; Trinitroglycerin; Trinitroglycerol; Trinitrol; Trinitron; Trinitrosan; Turicard; UN0143; UN0144; UN1204; UN3064; UN3319; Vasoglyn; Vasolator; Vernies; Willong. Antianginal. A coronary vasodilator used in the treatment of angina pectoris. Also used in manufacture of dynamite. CAUTION: Acute poisoning can cause nausea, vomiting abdominal cramps, headache, mental confusion, delirium, bradypnea, bradycardia, paralysis, convulsions, methemoglobinemia, cyanosis, circulatory collapse, death. Chronic poisoning can cause severe headaches, hallucinations, skin rashes. Alcohol aggravates symptoms. Toxic effects may occur by ingestion, inhalation, absorption. [labile form]: liquid; mp = 2.8°; [stable form]: liquid; mp = 13.5°; begins to decompose at ≅ 50°; d_4^{15} = 1.5991; n_D^{15} = 1.474; heat of combustion = 1580 cal/g; slightly soluble in H_2O (0.125 g/100 ml), EtOH (0.5 g/100 ml); more soluble in MeOH (2.25 g/100 ml), CS_2 (15 g/100 ml); miscible with Et_2O, Me_2CO, glacial AcOH, EtOAc, C_6H_6, nitrobenzene, C_5H_5N, $CHCl_3$, ethylene bromide, dichloroethylene; sparingly soluble in petroleum Et_2O, liquid petrolatum, glycerol. *3M Pharm.; Ciba-Geigy Corp.; Hoechst AG (USA); ICI Americas Inc.; Key Pharm.; KV Pharm.; Marion Merrell Dow Inc.; Parke-Davis; Rhône-Poulenc Rorer Pharm. Inc.; Schwarz Pharma Kremers Urban Co.; Searle G.D. & Co.; U.S. Ethicals Inc.; Zeneca Pharm.*

2697 2-Nitro-2'-hydroxy-3',5'-bis(α,α-dimethylbenzyl)azobenzene

70693-50-4 H

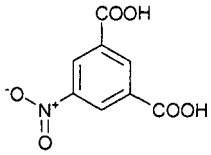


$C_{30}H_{29}N_3O_3$

Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-[(2-nitro-phenyl)azo]-. 2,4-Bis(1-methyl-1-phenylethyl)-6-((2-nitrophenyl)azo)-phenol; EINECS 274-768-2; Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-((2-nitrophenyl)azo)-; 2-Nitro-2'-hydroxy-3',5'-bis(α,α-dimethylbenzyl)azobenzene.

2698 5-Nitroisophthalic acid

618-88-2 G



$C_8H_5NO_6$

5-Nitrobenzene-1,3-dicarboxylic acid.

1,3-Benzenedicarboxylic acid, 5-nitro-; EINECS 210-568-3; Isophthalic acid, 5-nitro-; 1-Nitrobenzene-3,5-dicarboxylic acid; 5-Nitro-1,3-benzenedicarboxylic acid; 5-Nitroisophthalic acid; 5-Nitro-m-phthalic acid; NSC 66545. Crystals; mp = 260-261°. *Lancaster Synthesis Co.; Pfister.*

2699 Nitroisopropane

79-46-9 6661 G H

$C_3H_7NO_2$

2-Nitropropane.

AI3-00109; CCRIS 453; Dimethylnitromethane; EINECS 201-209-1; HSDB 1134; Isonitropropane; Nipar S-20; Nipar S-20 solvent; Nipar S-30 solvent; Nitroisopropane; NSC 5369; Propane, 2-nitro-; RCRA waste number U171. Used as a solvent in inks, adhesives, paints and varnishes and polymers. Also used as a chemical intermediate and as a rocket propellant, gasoline additive. Liquid; mp = -91.3°; bp = 120.2°; d^{25} = 0.9821; soluble in $CHCl_3$, less soluble in H_2O. *Ashland; Grace W.R. & Co.; Whittaker Clark & Daniels.*

2700 Nitromethane

75-52-5 6644 G H

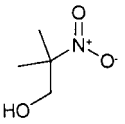
CH_3NO_2

Nitromethane.

AI3-00111; CCRIS 1205; EINECS 200-876-6; HSDB 106; Methane, nitro-; NM; Nitrocarbol; Nitrometan; Nitromethane; NSC 428; UN1261. Stabilizer for chlorinated solvents; chemical intermediate; solvent for cellulosic compounds, polymers, waxes; rocket fuel, gasoline additive; in coatings industry. Liquid; mp = -28.5°; bp = 101.1°; d^{20} = 1.1371; soluble in H_2O (10 g/100 ml), soluble in organic solvents; LD_{50} (rat orl) = 1.44 g/kg. *Grace W.R. & Co.; Whittaker Clark & Daniels.*

2701 2-Nitro-2-methylpropanol

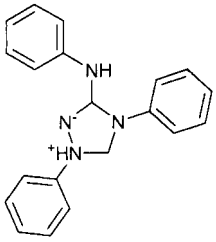
76-39-1 G H



$C_4H_9NO_3$
2-Methyl-2-nitro-1-propanol.
AI3-02258; EINECS 200-957-6; HSDB 5213; 2-Methyl-2-nitropropanol; 2-Methyl-2-nitropropan-1-ol; 2-Methyl-2-nitro-1-propanol; 2-Nitro-2-methyl-1-propanol; 2-Nitro-2-methylpropanol; NMP; NMP Conc.; NSC 17676; 1-Propanol, 2-methyl-2-nitro-. Chemical and pharm-aceutical intermediate, in tire cord adhesives, as formaldehyde release agents, deodorants, antimicrobials. Chemical intermediate, formaldehyde donor, textile reactant; reduces formaldehyde on finished cloth. Solid; mp = 89.5°; bp^{10} = 94°; λ_m = 278 nm (MeOH); slightly soluble in H_2O, soluble in organic solvents. *Sigma-Aldrich Fine Chem.; Whittaker Clark & Daniels.*

2702 Nitron

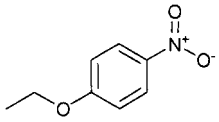
2218-94-2 6646 G



$C_{20}H_{16}N_4$
1,4-Diphenyl-3-(phenylamino)-1H-1,2,4-triazolium inner salt.
1,4-Diphenyl-3-(phenylammonio)-1H-1,2,4-triazolium; EINECS 218-724-2; Nitron; NSC 5038; 1H-1,2,4-Triazolium, 1,4-diphenyl-3-(phenylamino)-, hydroxide, inner; 1H-1,2,4-Triazolium, 1,4-diphenyl-3-(phenyl-amino)-, inner salt; 2,3,5,6-Tetraazabicyclo(2.1.1)hex-1-ene, 3,5,6-triphenyl-. A base which forms a nitrate almost insoluble in water; used for the determination of nitric acid; also used as a rubber vulcanization accelerator; also a proprietary trade name for a cellulose nitrate plastic. Yellow leaflets; mp ▫ 189°, insoluble in H_2O, soluble in organic solvents.

2703 4-Nitrophenetole

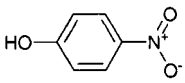
100-29-8 H



$C_8H_9NO_3$
Benzene, 1-ethoxy-4-nitro-.
4-06-00-01283 (Beilstein Handbook Reference); Benzene, 1-ethoxy-4-nitro-; BRN 0972473; CCRIS 2333; EINECS 202-837-9; p-Ethoxynitrobenzene; Ethyl p-nitrophenyl ether; HSDB 5333; p-Nitrophenetol; p-Nitrophenetole; NSC 9812; Phenetole, p-nitro-. Prisms; mp = 60°; bp = 283°; λ_m ▫ 227, 307 nm (MeOH); slightly soluble in H_2O, EtOH, soluble in petroleum ether, freely soluble in Et_2O, Me_2CO, C_6H_6.

2704 4-Nitrophenol

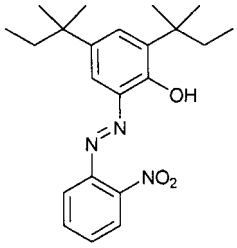
100-02-7 6654 G P



$C_6H_5NO_3$
p-Nitrophenol.
AI3-04856; Caswell No. 603; CCRIS 2316; EINECS 202-811-7; EPA Pesticide Chemical Code 056301; HSDB 1157; NCI-C55992; Niphen; NSC 1317; p-Hydroxynitrobenzene; p-Nitrofenol; p-Nitrophenol; Paranitrofenol; Paranitrofenolo; Paranitrophenol; PNP; RCRA waste number U170; UN1663. Important chemical intermediate; also used as an indicator, colorless below pH 5.6, yellow above pH 7.6. Registered by EPA as a fungicide (cancelled). Slightly yellow crystals; mp =113.8°; d^{20} = 1.479, d_4^{20} = 1.270; λ_m = 228, 311 nm (ε = 7510, 11000, MeOH); freely soluble in EtOH, $CHCl_3$, Et_2O, soluble in H_2O; LD_{50} (mus orl) = 467 mg/kg, (rat orl) = 616 mg/kg. *Fluka.*

2705 6-((2-Nitrophenyl)azo)-2,4-di-t-pentylphenol

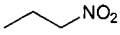
52184-19-7 H



$C_{22}H_{29}N_3O_3$
Phenol, 2,4-bis(1,1-dimethylpropyl)-6-((2-nitrophenyl)-azo)-.
EINECS 257-716-3; 6-((2-Nitrophenyl)azo)-2,4-di-t-pentylphenol; Phenol, 2,4-bis(1,1-dimethylpropyl)-6-((2-nitrophenyl)azo)-.

2706 1-Nitropropane

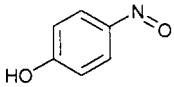
108-03-2 6660 G H



$C_3H_7NO_2$
Propane, 1-nitro-.
AI3-02264; CCRIS 1329; EINECS 203-544-9; HSDB 2526; 1-Nitropropane; 1-NP; NSC 6363; Propane, 1-nitro-. Used as a solvent for cellulose acetate and vinyl resins; also as an intermediate and propellant. Liquid; mp = -108°; bp ▫ 131.1°; d^{25} = 0.9961; λ_m = 280 nm (cyclohexane); slightly soluble in H_2O, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O. *Ashland; Grace W.R. & Co.; Whittaker Clark & Daniels.*

2707 p-Nitrosophenol

104-91-6 6676 H



$C_6H_5NO_2$
4-Nitrosophenol.
4-07-00-02073 (Beilstein Handbook Reference); AI3-19026; BRN 1856695; p-Chinonmonoxim; CCRIS 4710; EINECS 203-251-6; HSDB 5362; Nitrosophenol; NSC 3124; p-Nitrosophenol; 4-Nitrosofenol; 4-Nitrosophenol; para-Nitrosophenol; Phenol, 4-nitroso-

; Phenol, p-nitroso-; Quinone monoxime; p-Quinone monooxime; Quinone oxime. Yellow crystals; mp = 144° (dec); d^{20} = 1.479; λ_m = 228, 311 nm (ε = 7510, 11000, MeOH); slightly soluble in H_2O, C_6H_6, CS_2; soluble in $CHCl_3$, C_7H_8, C_5H_5N, very soluble in EtOH, Et_2O, Me_2CO.

2708 Nitro-starch

9056-38-6 G

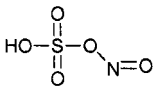
$C_{12}H_{12}N_8O_{26}$

Xyloidin.

Pyroxylin; Starch nitrate; UN0146; UN1337. A nitric ester of starch, probably the octonitrate used for blasting explosives, either alone, or by mixing 10% of it with a mixture of sodium nitrate and carbonaceous material. See pyroxylin [9004-70-0].

2709 Nitrosylsulfuric acid

7782-78-7 6682 G



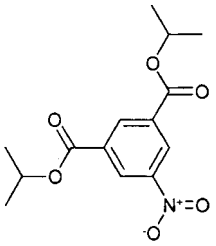
HNO_5S

Nitrosyl sulfate.

EINECS 231-964-2; Lead chamber crystals; Nitro acid sulfite; Nitrosulfonic acid; Nitrose; Nitrososulfuric acid; Nitrosulfonic acid; Nitrosylsulfuric acid; Nitrosylsulphuric acid; Nitroxylsulfuric acid; Sulfuric acid, monoanhydride with nitrous acid; UN2308; Weber's acid. Used to bleach flour. Crystals; dec 73°.

2710 Nitrothal-isopropyl

10552-74-6 G P



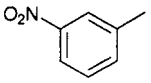
$C_{14}H_{17}NO_6$

5-Nitro-1,3-Benzenedicarboxylic acid, bis(1-methylethyl) ester.

Bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate; Di-isopropyl 5-nitroisophthalate; Isophthalic acid, 5-nitro-, diisopropyl ester; Nitrothal-isopropyl; Nitrothale-isopropyl. Non-systemic contact fungicide with curative action. Used in combination with other fungicides to control powdery mildews on apples, vines, hops, vegetables and ornamentals. Yellow crystals; mp = 65°; soluble in H_2O (0.00004 g/100 ml at 20°), Me_2CO, C_6H_6, $CHCl_3$, EtOAc (all > 80 g/100 ml), Et_2O (61 g/100 ml), EtOH (5.5 g/100 ml); LD_{50} (rat orl) > 6400 mg/kg, (rat der) > 2500 mg/kg, (rbt der) > 4000 mg/kg; non-toxic to birds, toxic to fish; non-toxic to bees. *BASF Corp.*

2711 m-Nitrotoluene

99-08-1 6684 H



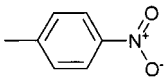
$C_7H_7NO_2$

Benzene, 1-methyl-3-nitro-.

Benzene, 1-methyl-3-nitro-; CCRIS 2312; EINECS 202-728-6; HSDB 2937; m-Methylnitrobenzene; m-Nitrotoluene; m-Nitrotoluol; meta-Nitrotoluol; Nitro-toluene, m-; NSC 9578; Toluene, m-nitro-; UN1664. Liquid; mp = 15.5°, bp = 232°; d^{20} = 1.1581; λ_m = 264 nm (ε 7700, MeOH); insoluble in H_2O, soluble in EtOH, C_6H_6, CCl_4, very soluble in Et_2O.

2712 p-Nitrotoluene

99-99-0 6684 H



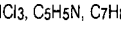
$C_7H_7NO_2$

Benzene, 1-methyl-4-nitro-.

AI3-15394; Benzene, 1-methyl-4-nitro-; CCRIS 2313; EINECS 202-808-0; HSDB 1158; p-Methylnitrobenzene; NCI 9579; NCI-C60537; Nitrotoluene, p-; p-Nitrotoluene; Nitrotoluenos; para-Nitrotoluol; NSC 9579; Toluene, p-nitro-; UN1664. Orthorhombic crystals; mp ■ 51.6°, bp = 238.3°; d^{75} = 1.1038; λ_m = 215, 274 nm (ε = 9440, 11700, MeOH); insoluble in H_2O, soluble in EtOH, very soluble in Et_2O, Me_2CO, C_6H_6, CCl_4, $CHCl_3$, C_5H_5N, C_7H_8, CS_2.

2713 Nitrous Oxide

10024-97-2 6687 D G



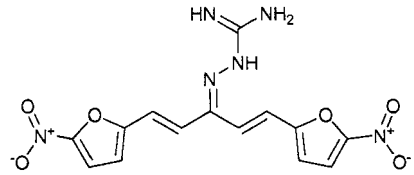
N_2O

Nitrogen oxide.

CCRIS 1225; Dinitrogen monoxide; Dinitrogen oxide; EINECS 233-032-0; Factitious air; FEMA No. 2779; HSDB 504; Hyponitrous acid anhydride; Laughing gas; Nitral; Nitrogen hypoxide; Nitrogen monoxide; Nitrogen oxide; Nitrogen protoxide; Nitrous oxide; Oxido nitroso; Protoxyde d'azote; Stickdioxyd; UN1070; UN2201. Anesthetic (inhaled); analgesic. Asphyxiant and narcotic in high concentrations. Less irritating than other oxides of nitrogen. Gas; dissociates > 300°; mp = -90.91°; bp_{760} = -88.46°; d^{-89}(liquid) = 1.226; d(gas) = 1.53; soluble in sulfuric acid, alcohol, Et_2O, oils. *DuPont-Merck Pharm.*

2714 Nitrovin

804-36-4 6688 G



$C_{14}H_{12}N_6O_6$

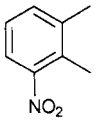
2-[3-(5-Nitro-2-furanyl)-1-[2-(5-nitro-2-furanyl)ethenyl]-2-propenylidene]hydrazinecarboximidamide.

4-19-00-01824 (Beilstein Handbook Reference); 1,5-Bis(5-nitro-2-furanyl)-1,4-pentadien-3-one, (aminoimino-methyl)hydrazone; sym-Bis(5-nitro-2-furfurylidene) acet-one guanylhydrazone; Bis(2-(5-nitro-2-furyl)vinyl)methyl-enehydrazinoformamidine; 1,5-Bis(5-nitro-2-furyl)-3-pen-tadienone guanylhydrazone; 1,5-Bis(5-nitro-2-furyl)-3-pentadienone amidinonhydrazone; Bis(5-nitro-furfuryl-idene)acetone guanylhydrazone; BRN 4827520; Difur-azone; EINECS 212-358-7; Guanidine, ((3-(5-nitro-2-fur-yl)-1-(2-(5-nitro-2-furyl)vinyl)allylidene)amino)-; Hydraz-inecarboximidamide, 2-(3-(5-

nitro-2-furanyl)-1-(2-(5-nitro-2-furanyl)ethenyl)-2-propenylidene)-; ((3-(5-Nitro-2-furyl)-1-(2-(5-nitro-2-furyl)vinyl)allylidene)amino)-guanid-ine; 1-(3-(5-Nitro-2-furyl)-1-(2-(5-nitro-2-furyl)-vinyl)allyl-ideneamino)guanidine hydrochloride; Nitrovin; Panazon; Payzone. Growth promoter and antibacterial. mp = 217° (dec).

2715 3-Nitro-o-xylene

83-41-0 H



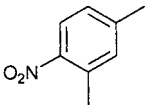
$C_8H_9NO_2$

1,2-Dimethyl-3-nitrobenzene.

4-05-00-00930 (Beilstein Handbook Reference); AI3-29558; Benzene, 1,2-dimethyl-3-nitro-; BRN 2045105; CCRIS 3117; EINECS 201-474-3; NSC 5402; o-Xylene, 3-nitro-. Used as a chemical intermediate. Needles; mp = 15°; bp = 240°; d^{20} = 1.1402; λ_m = 207, 258 nm (MeOH); insoluble in H_2O, soluble in EtOH, CCl_4. *Albright & Wilson Americas Inc.; Deepak Chemicals Group; Shanxi Kangyuan Chemical Co. Ltd.*

2716 4-Nitro-m-xylene

89-87-2 H



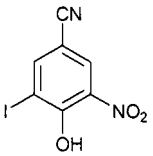
$C_8H_9NO_2$

Benzene, 2,4-dimethyl-1-nitro-.

Benzene, 2,4-dimethyl-1-nitro-; CCRIS 3120; EINECS 201-947-4; NSC 50661; m-Xylene, 4-nitro-. Liquid; mp = 9°; bp = 247°, bp_{18} = 122°; d^{15} = 1.135; insoluble in H_2O, soluble in EtOH, Me_2CO, C_6H_6, $CHCl_3$.

2717 Nitroxynil

1689-89-0 6690 G V



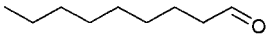
$C_7H_3IN_2O_3$

4-Hydroxy-3-iodo-5-nitrobenzonitrile.

Benzonitrile, 4-hydroxy-3-iodo-5-nitro-; BRN 2213717; CCRIS 5743; Dovenix; EINECS 216-884-8; 4-Hydroxy-3-iodo-5-nitrobenzonitrile; Nitroxinil; Nitroxinilo; Nitroxinilum; Nitroxynil; Trodax. Used in veterinary medicine as an anthelmintic. Crystals; mp = 137-138°; sparingly soluble in H_2O, soluble in organic solvents.

2718 Nonanal

124-19-6 H



$C_9H_{18}O$

n-Nonaldehyde.

4-01-00-03352 (Beilstein Handbook Reference); AI3-04859; Aldehyde C_9; BRN 1236701; C_9 aldehyde; CCRIS 664; EINECS 204-688-5; FEMA No. 2782; NCI-C61018; Nonaldehyde; 1-Nonaldehyde; n-Nonaldehyde; Nonanal; 1-Nonanal; n-Nonanal; Nonanaldehyde; Nonanoic aldehyde; Nonoic aldehyde; Nonyl aldehyde; 1-Nonyl aldehyde; Nonylic aldehyde; NSC 5518; Pelargonaldehyde; Pelargonic aldehyde. Liquid; bp = 191°; d^{22} = 0.8264; soluble in Et_2O, $CHCl_3$.

2719 Nonane

111-84-2 H

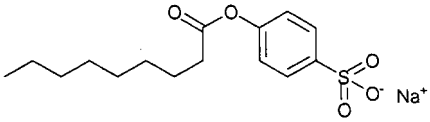
C_9H_{20}

n-Nonane.

CCRIS 6081; EINECS 203-913-4; HSDB 107; Nonane; n-Nonane; Nonyl hydride; NSC 72430; Shellsol 140. Liquid; mp = -53.5°; bp = 150.8°; d^{20} = 0.7176; insoluble in H_2O, very soluble in EtOH, Et_2O, freely soluble in Me_2CO, C_6H_6, $CHCl_3$, C_7H_{16}.

2720 Nonanoic acid, 4-sulfophenyl ester, sodium salt

89740-11-4 H

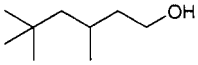


$C_{15}H_{21}NaO_5S$

Nonanoic acid, 4-sulfophenyl ester, sodium salt.

2721 Nonanol

3452-97-9 G



$C_9H_{20}O$

3,5,5-Trimethylhexan-1-ol.

AI3-22142; Caswell No. 892A; EINECS 222-376-7; EPA Pesticide Chemical Code 492200; FEMA No. 3324; 1-Hexanol, 3,5,5-trimethyl-; Nonylol; NSC 83151; NSC 97226; 3,5,5-Trimethyl-1-hexanol; 3,5,5-Trimethylhexan-1-ol; 3,5,5-Trimethylhexanol; Trimethylhexyl alcohol; 3,5,5-Trimethylhexyl alcohol. Plasticizer, primarily 3,5,5-trimethylhexanol. Liquid; bp = 194°; d^{25} = 0.8236. *ICI Chem. & Polymers Ltd.*

2722 Nonene

27215-95-8 H

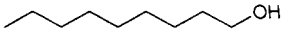
C_9H_{18}

Nonene (all isomers).

EINECS 248-339-5; HSDB 756; Nonene; Nonene (all isomers); Nonene (mixed isomers); Nonene (non-linear); Nonene mixture; Propylene trimer; Tripropylene.

2723 Nonyl alcohol

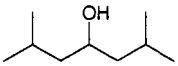
28473-21-4 H



$C_9H_{20}O$
Nonan-1-ol.
EINECS 249-048-6; Nonan-1-ol; Nonanol; Nonyl alcohol.

2724 sec-Nonyl alcohol

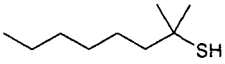
108-82-7 H



$C_9H_{20}O$
2,6-Dimethyl-4-heptanol.
4-01-00-01810 (Beilstein Handbook Reference); AI3-14496; BRN 1733804; Diisobutyl carbinol; 2,6-Dimethyl-4-heptanol; 2,6-Dimethyl heptanol-4; EINECS 203-619-6; FEMA No. 3140; 4-Heptanol, 2,6-dimethyl-; HSDB 5140; 4-Hydroxy-2,6-dimethyl heptane; Nonyl alcohol, secondary; sec-Nonyl alcohol; NSC 62683. Liquid; bp = 174.5°; d^{20} = 0.8114; insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O.

2725 tert-Nonyl mercaptan

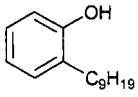
25360-10-5 H



$C_9H_{20}S$
1,1-Dimethylheptanethiol.
1,1-Dimethylheptanethiol; EINECS 246-896-9; tert-Nonanethiol; tert-Nonyl mercaptan.

2726 Nonyl phenol

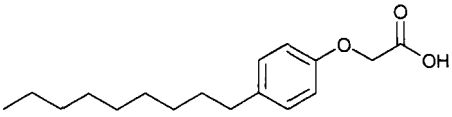
25154-52-3 6715 G H



$C_{15}H_{24}O$
2,6-Dimethyl-4-heptylphenol, (O and P).
3-06-00-02067 (Beilstein Handbook Reference); AI3-14638; BRN 2047450;; EINECS 246-672-0; HSDB 1032; Hydroxyl No. 253; Monononylphenol; Nonyl phenol; Nonyl phenol (mixed isomers); n-Nonylphenol; NSC 71410; Phenol, nonyl-; Prevostsel VON-100. A mixture of isomeric monoalkyl phenols; nonionic surfactant (nonbiodegradable), lube oil additives, stabilizers, petroleum demulsifiers, fungicides, antioxidants for plastics and rubber. Liquid; bp = 293-297°. *Allchem Ind.; Ashland; Berol Nobel AB; Degussa-Hüls Corp.; GE Specialities; Mitsui Toatsu; Texaco.*

2727 (p-Nonylphenoxy)acetic acid

3115-49-9 6716 G



$C_{17}H_{26}O_3$
(4-Nonylphenoxy)-acetic acid.
Acetic acid, (4-nonylphenoxy)-; Akypo NP 70; EINECS 221-486-2; Nonoxynol-8 carboxylic acid; (4-Nonylphenoxy)acetic acid; (p-Nonylphenoxy)acetic acid. Emulsifier. *Chem-Y GmbH.*

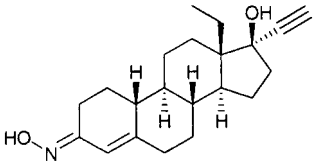
2728 Nonylphenoxypolyethoxyethanol

9016-45-9 G H P

$(C_2H_4O)_n.C_{15}H_{24}O$
Nonyl phenyl polyethylene glycol.
Alcosist PN; Alfenol; Alfenol 8; Alfenol 10; Alfenol 18; Alfenol 22; Alfenol 28; Alfenol 710; Alfenol N 8; Alkasurf NP; Alkasurf NP 11; Alkasurf NP 15; Alkasurf NP 8; Antarox 897; Antarox CO; Antarox CO 430; Antarox CO 530; Antarox CO 630; Antarox CO 730; Antarox CO 850; Arkopal N-090; Carsonon N-9; Caswell No. 605; Chemax NP series; Conco NI-90; Dowfax 9N20; Emulgen - 913; EPA Pesticide Chemical Code 079005; Ethoxylated nonylphenol; Glycols, polyethylene, mono(nonylphenyl) ether; Glycols, polyethylene mono(nonylphenyl) ether (nonionic); HSDB 6825; Igepal CO-630; Lissapol NX; Neutronyx 600; Nonoxinolum; Nonoxynol-3; Nonoxyol-4; Nonoxynol-30; Nonoxynol-44; Nonyl phenol, ethox-ylated; Nonyl phenyl polyethylene glycol ether; Nonyl phenyl polyethylene glycol; Nonylphenol, poly-oxyethylene ether; Nonylphenoxypoly(ethyleneoxy)-ethanol, branched; Nonylphenoxypolyethoxyethanol; Nonylphenoxypolyethoxyethanol; (Nonylphenoxy)poly-ethylene oxide; α-(Nonylphenyl)-ω-hydroxypolyoxy-ethylene; α-(Nonylphenyl)-ω-hydroxypoly(oxy-1,2-eth-anediyl); ω-Hydroxy-α-(nonylphenyl)poly(oxy-1,2-eth-anediyl); PEG-3 Nonyl phenyl ether; PEG-4 Nonyl phenyl ether; PEG-9 nonyl phenyl ether; PEG-13 Nonyl phenyl ether; PEG-15 Nonyl phenyl ether; PEG-30 Nonyl phenyl ether; PEG-44 Nonyl phenyl ether; Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)- ω-hydroxy-; Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)- ω-hydroxy-; Polyethylene glycol (13) nonyl phenyl ether; Polyethylene glycol (15) nonyl phenyl ether; Polyethylene glycol (3) nonyl phenyl ether; Polyethylene glycol (30) nonyl phenyl ether; Polyethylene glycol (44) nonyl phenyl ether; Polyethylene glycol 200 nonyl phenyl ether; Polyethylene glycol 450 nonyl phenyl ether; Polyethylene glycol nonylphenyl ether; *Polyoxyethylene (3) nonyl phenyl ether; Polyoxyethylene (4) nonyl* phenyl ether; Polyoxyethylene (9) nonyl phenyl ether; Polyoxyethylene (13) nonyl phenyl ether; Polyoxyethylene (15) nonyl phenyl ether; Polyoxyethylene (30) nonyl phenyl ether; Polyoxy-ethylene (44) nonyl phenyl ether; Polyoxyethylene nonylphenol; Prevocel 12; Protachem 630; Rewopol HV-9; Synperonic NX; Tergetol NP; Tergitol NP-10; Tergitol NP-14; Tergitol NP-27; Tergitol NP-33 (nonionic); Tergitol NP-35 (nonionic); Tergitol NP-40 (nonionic); Tergitol NPX; Tergitol TP-9 (nonionic); Triton N-100; Trycol NP; EPA Pesticide Chemical Code 079005; Ethoxylated *nonylphenol; Glycols, polyethylene mono(nonylphenyl) ether* (nonionic); HSDB 6825; Igepal CO-630; Lissapol NX; Neutronyx 600; Nonoxinolum; Nonoxynol-3; Nonoxynol-4; Nonoxynol-30; Nonoxynol-44; Nonyl phenol, ethoxylated; Nonyl phenyl polyethylene glycol ether; Nonylphenol, polyoxyethylene ether; Nonylphenoxypoly(ethyleneoxy)ethanol, branched; Nonylphenoxypolyethoxyethanol; (Nonyiphenoxy)poly-ethylene oxide; α-(Nonyiphenyl)-ω-hydroxypolyoxy-ethylene; α-(Nonylphenyl)-ω-hydroxypoly(oxy-1,2-eth-anediyl); ω-Hydroxy-α-(nonylphenyl)poly(oxy-1,2-eth-anediyl); PEG-3 Nonyl phenyl ether; PEG-4 Nonyl phenyl ether; PEG-9 nonyl phenyl ether; PEG-13 Nonyl phenyl ether; PEG-15 Nonyl phenyl ether; PEG-30 Nonyl phenyl ether; PEG-44 Nonyl phenyl ether; Polyethylene glycol (n) nonyl phenyl ether; Polyoxyethylene nonylphenol; Polyoxyethylene (n) nonyl phenyl ether; Prevocel 12; Protachem 630; Rewopol HV-9; Synperonic NX; Tergetol NP; Tergitol NPX; Tergitol TP-9 (nonionic); Triton N-100; Trycol NP-1. Detergent and dispersant used with petroleum oils; intermediate in manufacture of surfactants and antistats; co-emulsifier for fats, oils and waxes. Registered by EPA as a bactericide and insecticide (cancelled). Liquid; d_4^{20} = 1.06. *Fluka; Taiwan Surfactants.*

2729 Norelgestromin

53016-31-2 D



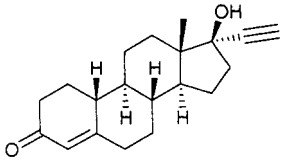
$C_{21}H_{29}NO_2$

13-ethyl-17α-hydroxy-18,19-dinorpregn-4-en-20-yn-3-one, 3-oxime.

BRN 4202099; 17-Deacetylnorgestimate; Levonorgestrel oxime; 18-Methylnorethindrone oxime; Norelgestromin; D-Norgestrel 3-oxime; *Norplant* 3-oxime; Ortho-Evra; RWJ 10553. FDA-approved 20 November, 2001 for use with ethinyl estradiol in a patch formulation to be used as a contraceptive. *Johnson R. W. Pharm. Res. Institute; Organon Inc.*

2730 Norethindrone

68-22-4 6729 D



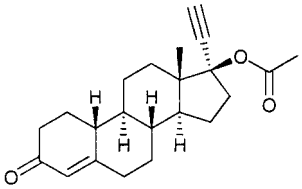
$C_{20}H_{26}O_2$

17-Hydroxy-19-nor-17α-pregn-4-en-20-yn-3-one.

4-08-00-01221 (Beilstein Handbook Reference); AI3-26422; Anhydrohydroxynorprogesterone; Anovulatorio; Anovule; Brevicon; Brevinor-1 21; Brevinor-1 28; Brevinor 21; Brevinor 28; BRN 1915671; CCRIS 484; Ciclovulan; Conludaf; Conludag; EINECS 200-681-6; Estrinor; Ethinylnortestosterone; Ethynylnortestosterone; Gencept; Genora; Gestest; HSDB 3370; Jenest-28; Microneth; Micronett; Micronor; Micronovum; Milli; Mini-pe; Mini-pill; Minovlar; Modicon; N.E.E.; Nelova; Nodiol; Nor-Q.D.; Noraethisteronum; Noralutin; Norcept-E; Norcolut; Noresthisterone; Norethadrone; Norethin; Norethin 1/35 E; Norethin 1/50 M; Nor-ethindrone; Norethisteron; Norethisterone; Nor-ethisteronum; Norethyndrone; Norethynodron; Norethyn-odrone; Noretisterona; Noretisterone; Norfor; Norgestin; Noriday; Noriday 28; Norinyl; Norluten; Norlutin; Norluton; Norpregneninlone; Norpregneninotone; NSC-9564; Orlest; Ortho 1 35; Ortho 7 7 7; Ortho-Novum; Ortho-Novum 1 50; Ortho-Novum 1 35; Ortho-Novum 7 7 7; Ovcon; Ovysmen 0.5 35; Ovysmen 1 35; Primolut-N; Proluteasi; SC 4640; Synphase; Synphasic 28; Tri-Norinyl; Triella; Trinovum 21; Utovlan; Utovlar.; Conludag; Menzol; Micronor; Micronovum; Mini-Pe; mini-pill; Norcolut; Noriday; Norluten; Norlutin; Nor-QD; Primolut N; Utovlan; component of: Binovum, Brevicon, Brevinor, Conceplan, Modicon, Neocon 1/35, Norimin, Norinyl 1+35, Norquentiel, Ortho-Novum 1/35, Ortho-Novum 7/7/7, Ovcon, Ovysmen, Synphase, Tri-Norinyl, Trinovum, Norinyl-1, Ortho-Novin 1/50, Ortho-Novum 1/50. Progestogen. Used in combination with estrogens as an oral contraceptive. White crystals; mp = 203-204°; $[\alpha]_D^{20}$ = -31.7° ($CHCl_3$); λ_m = 240 nm (log ε 4.24). *Syntex Labs. Inc.*

2731 Norethindrone Acetate

51-98-9 6729 D



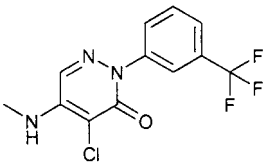
$C_{22}H_{28}O_3$

17β-Hydroxy-19-norpregn-4-en-20-yn-3-one acetate.

4-08-00-01221 (Beilstein Handbook Reference); Aygestin; BRN 2064104; CCRIS 485; EINECS 200-132-0; ENTA; Ethinylnortestosterone acetate; Gestakadin; Loestrin; Milli-Anovlar; Milligynon; Miniphase; Monogest; Norethindrone acetate; Norethisteron acetate; Norethisterone acetate; Norethynyltestosterone acetate; Norethysterone acetate; Norlestrin; Norlutate; Norlutin A; Norlutin acetate; Norlutine acetate; NSC 22844; Orlutate; Primolut-Nor; Progylut; SH 420.; component of: Anovlar, Estrostep, Etalontin, Gynovlar, Loestrin, Minovlar, Norlestrin, Primosiston. Progestogen. Used in combination with estrogens as an oral contraceptive. Crystals; mp = 161-162°; $[\alpha]_D^{20}$ = -31.7° ($CHCl_3$); λ_m = 240 nm (ε 18690). *Bristol-Myers Squibb Pharm. R&D; Parke-Davis; Schering AG; Syntex Labs. Inc.; Wyeth-Ayerst Labs.*

2732 Norflurazon

27314-13-2 6733 H P



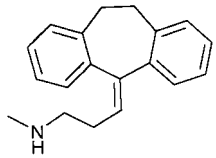
$C_{12}H_9ClF_3N_3O$

4-Chloro-5-(methylamino)-2-(α,α,α-trifluoro-m-tolyl)-3(2H)-pyridazinone.

5-25-14-00201 (Beilstein Handbook Reference); BRN 0757115; Caswell No. 195AA; 4-chloro-5-(methyl-amino)-2-(3-(trifluoromethyl)phenyl)-3(2H)-Pyridazinone; EPA Pesticide Chemical Code 105801; Evital; Evitol; H-52,143; H 52143; H 9789; HSDB 6845; Monomet-flurazon; Monometflurazone; Norflurazon; Norflurazone; SAN 9789; SAN 9789 H; San 97895; Solicam; Solicam Rapid; Telok; 1-(3-Trifluoromethylphenyl)-4-methyl-amino-5-chloropyridazone; Zorial. Registered by EPA as a herbicide. Crystals; mp = 183 - 185°, 174 - 180°; soluble in H_2O (0.0028 g/100 ml), EtOH (14.2 g/100 ml), Me_2CO (5 g/100 ml), xylene (0.25 g/100 ml), sparingly soluble in hydrocarbon solvents; LD_{50} (rat orl) = 9400 mg/kg, (rat der) > 5000 mg/kg, (rbt der) > 20000 mg/kg, (bobwhite quail, mallard duck orl) > 1250 mg/kg, (bee) >0.235 mg/bee; LC_{50} (catfish, goldfish) > 200 mg/l; non-toxic to bees. *Syngenta Crop Protection.*

2733 Nortriptyline

72-69-5 6749 D



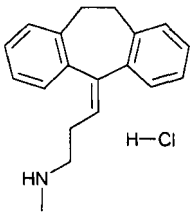
$C_{19}H_{21}N$

3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylid-ene)-N-methyl-1-propanamine.

Ateben; Avantyl; Aventyl; BRN 2216786; Demethyl-amitriptyline; Desitriptilina; Desmethylamitriptyline; EINECS 200-788-8; HSDB 3371; Lumbeck; Noramitriptyline; Noritren; Nortriptilina; Nortriptyline; Nortriptylinum; Nortryptiline; Nortryptyline; Psychostyl; Sensaval; Sesaval. Tricyclic antidepressant. *Merck & Co.Inc.*

2734 Nortriptyline Hydrochloride

894-71-3 6749 D



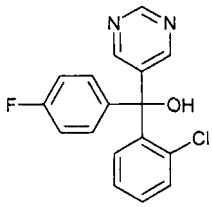
$C_{19}H_{22}ClN$

3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylid-ene)-N-methyl-1-propanamine hydrochloride.

Acetexa; Allegron; Altilev; Ateben hydrochloride; Aventyl allegron; Aventyl Hydrochloride; Desmethylamitriptyline hydrochloride; EINECS 212-973-0; Lilly 38489; N 7048; Noramitriptyline hydrochloride; Noritren; Nortab hydrochloride; Nortrilen; Nortriptylin hydrochloride; Nortriptyline hydrochloride; Norzepine; NSC 78248; NSC 169453; Pamelor; Psychostyl; Sensival; Vividyl. A tricyclic *antidepressant. mp = 213-215°; λ_m = 240 nm (ε 13900); soluble in* H_2O, EtOH, $CHCl_3$, insoluble in other organic solvents. *Eli Lilly & Co.; Merck & Co.Inc.; Sandoz Pharm. Corp.*

2735 Nuarimol

63284-71-9 G P



$C_{17}H_{12}ClFN_2O$

5-(2-Chloro-4'-fluorobenzhydryl)-4-hydroxypyrimidine.

BRN 6223667; Caswell No. 419G; 5-(2-Chloro-4'-fluorobenzhydryl)-4-hydroxypyrimidine; (±)-2-Chloro-4'-fluoro-α-(pyrimidin-5-yl)benzhydryl alcohol; 2-Chloro-4'-fluoro-α-(pyrimidin-5-yl)diphenylmethanol; α-(2-Chloro-phenyl)-α-(4-fluorophenyl)-5-pyrimidinemethanol; EINECS 264-071-1; EL 228; EL 2289; EPA Pesticide Chemical Code 224100; Guantlet; Murox; Nuarimol; 5-Pyrimidinemethanol, α-(2-chlorophenyl)-α-(4-fluoro-phenyl)-; Trimidal; Trimifruit SC; Triminol; EL 228; EL 2289; EPA Pesticide Chemical Code 224100; Guantlet; Murox; Nuarimol; 5-Pyrimidinemethanol, α-(2-chlorophenyl)-α-(4-fluorophenyl)-; Trimidal; Trimifruit SC; Triminol. Systemic foliar fungicide wit curative and protective action. Ergosterol biosynthesis inhibitor. Used for control of a wide range of pathogenic fungi. Used as a foliar spray or seed treatment. Crystals; mp = 126 - 127°; slightly soluble in H_2O (0.0026 g/100 ml at 25°, pH 7), Me_2CO (17 g/100 ml), MeOH (5.5 g/100 ml), xylene (2 g/100 ml), freely soluble in CH_3CN, C_6H_6, $CHCl_3$; LD_{50} (mrat orl) = 1250 mg/kg, (frat orl) = 2500 mg/kg, (mmus orl) = 2500 mg/kg, (fmus orl) = 3000 mg/kg, (beagle dog orl) = 500 *mg/kg, (rbt der) > 2000 mg/kg, (bobwhite quail orl) = 200 mg/kg;* LC_{50} (bluegill sunfish 96 hr.) ≅12.1 mg/l; non-toxic to bees. *Dow AgroSciences; DowElanco Ltd.*

2736 Nylon 6

25038-54-4 6768 G

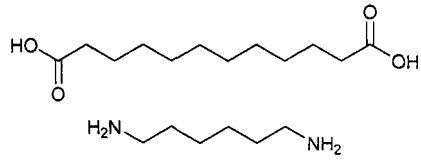
$(C_6H_{13}NO_2)_n$

Poly[imino(1-oxo-1,6-hexanediyl)].

A 1030; A 1030N0; Akulon; Akulon M 2W; Alkamid; Amilan CM 1001; Amilan CM 1001C; Amilan CM 1001G; Amilan CM 1011; Amilan CM 1031; 6-Aminohexanoic acid homopolymer; ATM 2 (nylon); Aviamide-6; B-35; B-203; B-216; B-300; B-350; Bonamid; Cabelec® 1015; Capran 77C; Capran 80; Caproamide polymer; Caprolactam oligomer; Caprolactam polymer; Caprolon B; Caprolon V; Capron; Capron 8250; Capron 8252; Capron 8253; Capron 8256; Capron B; Capron GR 8256; Capron GR 8257; Capron GR 8258; Capron PK 4; Chemlon; CM 1001; CM 1011; CM 1031; CM 1041; Danamid; DULL 704; Durethan BK; Durethan BK 30S; Durethan BKV 30H; Durethan BKV 55H; ε-Caprolactam polymer; ε-Caprolactam polymere; Ertalon 6SA; Extron 6N; Grilon; Hexahydro-2H-azepin-2-one homopolymer; Itamid; Itamide 25; Itamide 35; Itamide 250; Itamide 250G; Itamide 350; Itamide S; Kaprolit; Kaprolit B; Kaprolon; Kaprolon B; Kapromin; Kapron; Kapron A; Kapron B; KS 30P; Maranyl F 114; Maranyl F 124; Maranyl F 500; Metamid; Miramid H 2; Miramid WM 55; Nylon; Nylon 6; Nylon A1035SF; Nylon CM 1031; Nylon X 1051; Orgamid rmnocd; Orgamide; P 6 (Polyamide); PA 6 (Polymer); PK 4; PKA; Plaskin 8200; Plaskon 201; Plaskon 8201; Plaskon 8201HS; Plaskon 8202C; Plaskon 8205; Plaskon 8207; Plaskon 8252; Plaskon XP 607; Policapram; Policapramum; Policapran; Poly(ε-aminocaproic acid); Poly(hexahydro-2H-azepin-2-one); Poly(imino(1-oxo-1,6-hexanediyl)); Poly(iminocarbonylpentamethylene); Poly-amide 6; Polycaproamide; Polycaprolactam; Relon P; Renyl MV; Sipas 60; Spencer 401; Spencer 601; Tarlon X-A; Tarlon XB; Tarnamid T; Tarnamid T 2; Tarpamid T 27; TNK 2G5; Torayca N 6; UBE 1022B; Ultramid B 3; Ultramid B 4; Ultramid B 5; Ultramid BMK; Vidlon; Widlon; Zytel 211. Nylon 6/carbon black compound; conductive compound for injection molding applications; gives rigidity with permanent electrical conductivity; suggested for packaging and electronic production handling applications; e.g., for handling explosives, electronic components. Used in tire cord; fishing lines; tow ropes; hose manufacture; woven fabrics. Amorphous solid; mp = 223°; d = 1.084. *Cabot Carbon Ltd.; Snia UK.*

2737 Nylon 6-12 salt

13188-60-8 H



$C_{12}H_{22}O_4.C_6H_{16}N_2$

Dodecanedioic acid, compd. with 1,6-hexanediamine (1:1).

Dodecanedioic acid, compound with hexane-1,6-diamine (1:1); EINECS 236-143-2; Nylon 6-12 salt.

2738 Nylon-66

32131-17-2 G H

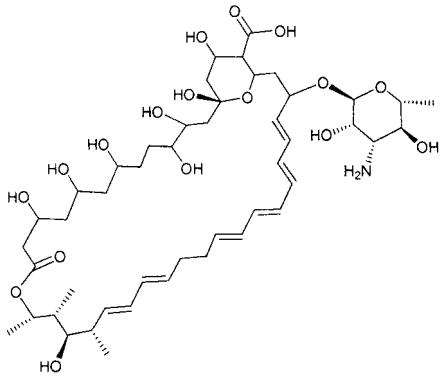
$(C_{12}H_{22}N_2O_2)_n$

Poly(imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexane-diyl).

126AM30P; A 100 (polyamide); A 142 (nylon); A 146 (nylon); A 153 (nylon); A 153P0118; A 175 (nylon); A 203 (nylon); A 205 (polyamide); A 216V35; A 216V50; 1,8-Diazacyclotetradecane-2,7-dione homopolymer, sru; Nylon-66; Poly(imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl); Ultramid A3 times G7. Polymeric amide formed by the reaction of adipic acid with hexylenediamine. Thermoplastic resin for injection molding, extrusion. *Asahi Chem. Industry; Snia UK.*

2739 Nystatin

1400-61-9 6770 D



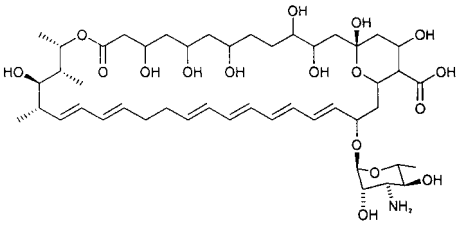
$C_{47}H_{75}NO_{17}$

Nystatin.

Biofanal; Candex; Candio-Hermal; Comycin; Diastatin; Fungicidin; Moronal; Myco-Triacet II; Mycolog II; Mycostatin; Mycostatin Pastilles; Mytrex; Nystaform; Nystaform HC; Nystatin; Nystavescent; Nystex; O-V Statin; Panolog Cream; Terrastatin.; component of: Mycolog II, Myco-Triacet II, Mytrex, Nystaform, Nystaform HC, Panolog Cream, Terrastatin. Mixture of Nystatin A_1, A_3 and A_3, biologically active polyene antibiotics. Used as an antifungal agent. Dec 250°; $[\alpha]_D^{25}$= -10° (AcOH), 21° (C_5H_5N), 12° (DMF), -7° (0.1N HCl/EtOH); λ_m = 290, 307, 322 nm; soluble in H_2O (0.4 g/100 ml), MeOH (1.12 g/100 ml), EtOH (0.12 g/100 ml), CCl_4 (0.123 g/100 ml), $CHCl_3$ (0.048 g/100 ml), C_6H_6 (0.028 g/100 ml), ethylene glycol (0.875 g/100 ml); LD_{50} (mus ip) ≅ 200 mg/kg. *Apothecon; Bayer AG; Bristol-Myers Oncology; Bristol-Myers Squibb Co.; Lederle Labs.; Lemmon Co.; Pfizer Inc.; Savage Labs; Solvay Animal Health Inc.*

2740 Nystatin A_1

34786-70-4 6770 D



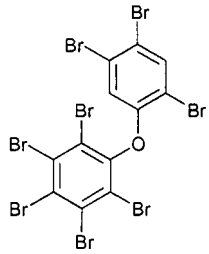
$C_{47}H_{75}NO_{17}$

Nystatin A_1.

Major component of Nystatin. Antifungal. *Apothecon; Bayer AG; Bristol-Myers Oncology; Bristol-Myers Squibb Co.; Lederle Labs.; Lemmon Co.; Pfizer Inc.; Savage Labs; Solvay Animal Health Inc.*

2741 Octabromobiphenyl ether

32536-52-0 G H



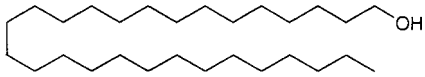
$C_{12}H_2Br_8O$

1,1'-Oxybisbenzene octabromo deriv.

Benzene, 1,1'-oxybis-, octabromo deriv.; Bromkal 79-8DE; CD 79; DE 79; Diphenyl ether, octabromo derivative; EB 8; EINECS 251-087-9; FR 1208; FR 143; OBDPO; OCTA; Octabromobiphenyl ether; Octa-bromodiphenyl oxide; 1,1'-Oxybisbenzene octabromo deriv.; Phenyl ether, octabromo deriv.; Saytex® 111; Tardex 80. Flame retardant for thermoplastics, e.g., ABS, HIPS, LDPE, PP random copolymers, polyamides, elastomers, adhesives, and coatings; semiplasticizing additive for styrenic polymers and copolymers such as ABS; recommended for injection moldings. White to off-white powder; sg = 2.9; mp = 125-165; LD_{50} (rat orl) > 5000 mg/kg. *Albemarle Corp.; Allchem Ind.; Amerihaas; Dead Sea Bromine; Ethyl Corp.; Great Lakes Fine Chem.*

2742 Octacosanol

557-61-9 6776 H



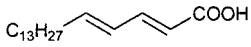
$C_{28}H_{58}O$

1-Octacosanol.

Cluytyl alcohol; EINECS 209-181-2; Montanyl alcohol; NSC 10770; Octacosanol; 1-Octacosanol; Octacosyl alcohol. Solid; mp = 83.3°; bp_1 = 200°.

2743 Octadecadienoic acid

121250-47-3 H



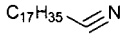
$C_{18}H_{32}O_2$

9,11(or 10,12)-Octadecadienoic acid.

CCRIS 7064; Conjugated linoleic acid; Octadecadienoic acid; 9,11(or 10,12)-Octadecadienoic acid; Octadeca-dienoic acid, conjugated.

2744 Octadecanonitrile

638-65-3 H

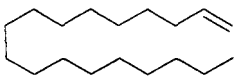


$C_{18}H_{35}N$

n-Heptadecyl cyanide.

4-02-00-01242 (Beilstein Handbook Reference); AI3-14660; BRN 0972464; 1-Cyanoheptadecane; EINECS 211-345-3; Heptadecyl cyanide; HSDB 5735; Nitril kyseliny stearove; NSC 5541; Octadecanenitrile; Oktadekannitril; Stearinsäurenitril; Stearonitrile. Crystals; mp = 41°; bp = 362°; d^{20} = 0.8325; insoluble in H_2O, soluble in EtOH, very soluble in Et_2O, Me_2CO, $CHCl_3$.

2745 **1-Octadecene**
112-88-9 G H

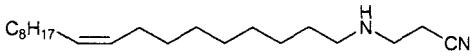


$C_{18}H_{36}$
n-Octadec-1-ene.
AI3-06521; EINECS 204-012-9; Neodene® 18; NSC 66460; α-Octadecene; 1-Octadecene; n-Octadec-1-ene; Octadecylene α-. Intermediate for biodegradable surfactants and specialty industrial chemicals. Solid; mp = 17.5°; bp_{15} = 179°, bp_8 = 145°; d^{20} = 0.7891; insoluble in H_2O, soluble in Me_2CO, CCl_4. *Shell.*

2746 **9-Octadecenoic acid (9Z)-, epoxidized, ester with propylene glycol**
68609-92-7 H

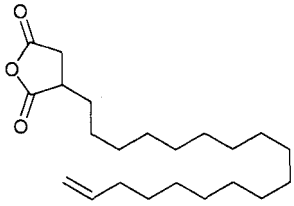
$C_{21}H_{42}O_4$
Oleic acid, 1,2-propylene glycol epoxidized ester.
EINECS 271-842-6; 9-Octadecenoic acid (Z)-, epoxidized, ester with propylene glycol; Oleic acid, 1,2-propylene glycol epoxidized ester; Vikoflex 4964.

2747 **N-(9-Octadecenyl)-3-aminopropionitrile**
26351-32-6 H



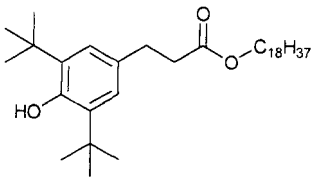
$C_{21}H_{40}N_2$
Propanenitrile, 3-((9Z)-9-octadecenylamino)-.
EINECS 247-628-3; N-(9-Octadecenyl)-3-aminopropio-nitrile; (Z)-3-(9-Octadecenylamino)propiononitrile; Prop-anenitrile, 3-((9Z)-9-octadecenylamino)-; Propionitrile, 3-(9-octadecenylamino)-, (Z)-.

2748 **Octadecenylsuccinic anhydride**
28777-98-2 H



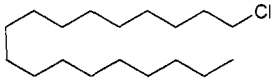
$C_{22}H_{38}O_3$
Dihydro-3-(octadecenyl)furan-2,5-dione.
Dihydro-3-(octadecenyl)-2,5-furandione; Dihydro-3-(octadecenyl)furan-2,5-dione; EINECS 249-210-6; 2,5-Furandione, dihydro-3-(octadecenyl)-; Octadecenyl-succinic anhydride; Succinic anhydride, octadecenyl-.

2749 **Octadecyl 3,5-di-t-butyl-4-hydroxyhydro-cinnamate**
2082-79-3 G H



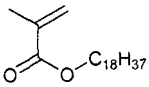
$C_{35}H_{62}O_3$
3,5-Bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid.
ADK Stab AO 50; Anox PP 18; Antioxidant 1076; AO 4; E 376; EINECS 218-216-0; HSDB 5865; Hydrocinnamic acid, 3,5-di-t-butyl-4-hydroxy-, octadecyl ester; I 1076; IR 1076; Irganox 1076; Irganox 1906; Irganox 1976; Irganox I 1076; Irganox L 107; Mark AO 50; Naugard® 76; Octadecyl 3-(3',5'-di-t-butyl-4'-hydroxyphenyl)propionate; Octadecyl 3,5-di-t-butyl-4-hydroxyhydrocinnamate; Ralox 530; Stearyl 3,5-di-t-butyl-4-hydroxyhydro-cinnamate; Sumilizer BP 76; Tominokusu SS; U 276; Ultranox® 276. High molecular weight antioxidant/ stabilizer for styrenics, polyolefins, PVC, urethane and acrylic coatings, adhesives, and elastomers; effective replacement for BHT in polyolefins. Used to stabilize polymeric substances such as polyolefins, styrenics, EPDM, and PVC; provides good thermal and color stability. Solid; mp = 50-52°. *GE Specialities; Uniroyal.*

2750 **Octadecyl chloride**
3386-33-2 H



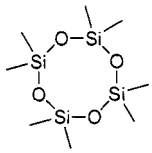
$C_{18}H_{37}Cl$
n-Octadecyl chloride.
AI3-28591; 1-Chlorooctadecane; EINECS 222-207-7; NSC 5543; Octadecane, 1-chloro-; Octadecyl chloride; n-Octadecyl chloride. Solid; mp = 28.6°; bp = 348°; d^{20} = 0.8641; insoluble in H_2O, slightly soluble in CCl_4.

2751 **Octadecyl methacrylate**
32360-05-7 G H



$C_{22}H_{42}O_2$
2-Propenoic acid, 2-methyl-, octadecyl ester.
Ageflex FM-68; Ageflex FM-1620; AI3-25418; EINECS 251-013-5; Methacrylic acid, octadecyl ester; Methacrylic acid, stearyl ester; Octadecyl methacrylate; 2-Propenoic acid, 2-methyl-, octadecyl ester. Natural, C_{16-18} methacrylates, with 100 ppm hydroquinone inhibitor; lube oil additive, pour point depressant, paper coatings, textile finishes, paints, varnishes, pressure-sensitive adhesives. Lube oil additive, pour point depressant. Used in paper coatings, textile finishes, paints, varnishes, pressure-sensitive adhesives. Liquid; bp_5 = 181°; d^{20} = 0.868; f.p. -20°; flash pt. 110°. *Rit-Chem; Rohm & Haas Co.; Sartomer.*

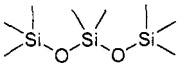
2752 **Octamethylcyclotetrasiloxane**
556-67-2 6779 G H



$C_8H_{24}O_4Si_4$
Cyclic dimethylsiloxane tetramer.
4-04-00-04125 (Beilstein Handbook Reference); BRN 1787074; CCRIS 1327; Cyclic dimethylsiloxane tetramer; Cyclotetrasiloxane, octamethyl-; EINECS 209-136-7; HSDB 6131; KF 994; NSC 345674; NUC silicone VS 7207; O9810; Octamethylcyclotetrasiloxane; Oktamethylcyklotetrasiloxan; SF 1173; Silicone SF 1173; UC 7207; Union carbide 7207; VS 7207. As cleaning, polishing and damping media; offers low toxicity, inertness. Used to deactivate glass chromatography columns. Liquid; mp = 17.5°; bp = 175.8°; d^{20} = 0.9561; insoluble in H_2O, soluble in CCl_4. *Degussa-Hüls Corp.*

2753 Octamethyltrisiloxane

107-51-7 6780 G



$C_8H_{24}O_2Si_3$
O9816.
CCRIS 3198; EINECS 203-497-4; Octamethyltrisiloxane; Trisiloxane, octamethyl-. As cleaning, polishing and damping media; offers low toxicity, inertness. Also used as a foam suppressant. Liquid; mp= -80°; bp = 153°, bp_{17} = 50-52°; d^{20} ■ 0.8200; soluble in C_6H_6, petroleum ether, slightly soluble in EtOH. *Hüls Am.*

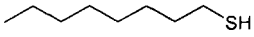
2754 Octane

111-65-9 6782 H

C_8H_{18}
n-Octane.
AI3-28789; EINECS 203-892-1; HSDB 108; NSC 9822; Octane; n-Octane; Oktan; Oktanen; Ottani. Mobile liquid; mp = -56.8°; bp = 125.6°; d^{25} = 0.6986; insoluble in H_2O, freely soluble in EtOH, Et_2O.

2755 Octane-1-thiol

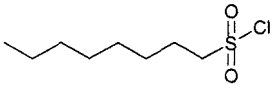
111-88-6 H



$C_8H_{18}S$
1-Mercaptooctane.
AI3-06557; EINECS 203-918-1; HSDB 5552; 1-Mercaptooctane; 1-Octanethiol; n-Octyl mercaptan; 1-Octylthiol; NSC 41903; Octane-1-thiol; Octyl mercaptan; Octylthiol. Liquid; mp = -49.2°, bp = 199.1°; d^{20} = 0.8433; slightly soluble in CCl_4, soluble in EtOH.

2756 Octanesulfonyl chloride

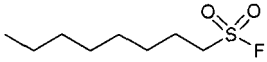
7795-95-1 H



$C_8H_{17}ClO_2S$
1-Octanesulfonyl chloride.
EINECS 232-249-8; 1-Octanesulfonyl chloride; 1-Octanesulphonyl chloride.

2757 Octanesulfonyl fluoride

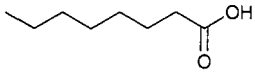
40630-63-5 H



$C_8H_{17}FO_2S$
1-Octanesulfonyl fluoride.
EINECS 255-012-0; 1-Octanesulfonyl fluoride; 1-Octanesulphonyl fluoride.

2758 Octanoic acid

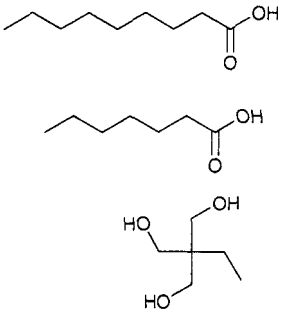
124-07-2 1771 G H



$C_8H_{16}O_2$
n-Octane carboxylic acid.
4-02-00-00982 (Beilstein Handbook Reference); Acide octanoique; Acido octanoico; Acidum octanocium; AI3-04162; BRN 1747180; C_8 acid; Caprylic acid; Caprylsäure; CCRIS 4689; EINECS 204-677-5; Enantic acid; FEMA No. 2799; Hexacid 898; HSDB 821; Kyselina kaprylova; neo-Fat 8; NSC 5024; Octanoic acid; Octic acid; Octoic acid; Octylic acid. Fatty acid; Used in manufacture of dyes, drugs, perfumes. Liquid; mp = 16.3°; bp = 239°; d^{20} ■ 0.9106; slightly soluble in H_2O (68 mg/100 g), freely soluble in EtOH, $CHCl_3$, CH_3CN; LD_{50} (rat orl) = 10,080 mg/kg. *Akzo Chemie; Henkel/Emery; Procter & Gamble Co.; Sigma-Aldrich Fine Chem.; Unichema.*

2759 Octanoic acid, decanoic acid, trimethylolpropane ester

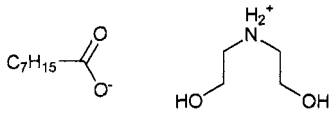
11138-60-6 H



$C_{10}H_{20}O_2.C_8H_{16}O_2.C_6H_{14}O_3$
Caprylic acid, capric acid, trimethylolpropane ester.
Caprylic acid, capric acid, trimethylolpropane ester; Decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate; EINECS 234-392-1; Octanoic acid, decanoic acid, trimethylolpropane ester; Trimethylolpropane, caprylate caprate triester.

2760 Octanoic acid, diethanolamine salt

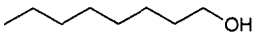
16530-72-6 H



$C_8H_{16}O_2.C_4H_{11}NO_2$
Octanoic acid, compd. with 2,2'-iminodiethanol (1:1).
Caprylic acid, diethanolamine salt; EINECS 240-600-1; Octanoic acid, compd. with 2,2'-iminobis(ethanol) (1:1).

2761 Octanol

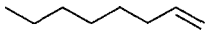
111-87-5 6784 G P



$C_8H_{18}O$
1-n-Octyl alcohol.
AI3-02169; Alcohol C8; Alfol 8; C8 alcohol; Capryl alcohol; n-Capryl Alcohol; Caprylic alcohol; n-Caprylic alcohol; Caswell No. 611A; Dytol M-83; EINECS 203-917-6; EPA Pesticide Chemical Code 079037; EPAL 8; Fatty alcohol(C8); FEMA Number 2800; Heptyl carbinol; HSDB 700; Lorol 20; NSC 9823; Octanol; n-Octanol; n-Octan-1-ol; Octilin; Octyl alcohol; n-Octyl alcohol; Primary octyl alcohol; Sipol L8. Solvent and chemical intermediate. Used as a basis for silicone oils, also as a foam suppressant. Registered by EPA as a herbicide and insecticide. Colorless liquid; mp = -15.5°; bp = 195.1°; d^{25} = 0.8262; insoluble in H_2O, slightly soluble in CCl_4; freely soluble in EtOH, Et_2O. *Coastal; Ethicon Inc.; Lancaster Synthesis Co.; Michel M.; Penta Mfg.*

2762 Oct-1-ene

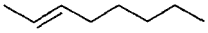
111-66-0 1770 G H



C_8H_{16}
n-1-Octene.
AI3-28403; Caprylene; 1-Caprylene; EINECS 203-893-7; HSDB 1084; Octene; Octene-1; α-Octene; 1-Octene; Octylene; 1-Octylene; n-1-Octene; NSC 8457. Intermediate for surfactants and specialty industrial chemicals. Liquid; mp = -101.7°; bp = 121.2°. d_4^{20} = 0.7149; insoluble in H_2O, slightly soluble in CCl_4, soluble in Et_2O, Me_2CO, C_6H_6, very soluble in $CHCl_3$. *Air Products & Chemicals Inc.; Chevron; Ethicon Inc.; Shell; Sigma-Aldrich Fine Chem.; Texaco.*

2763 Oct-2-ene

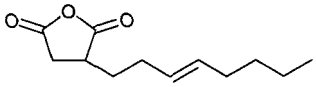
25377-83-7 H



C_8H_{16}
2-Octene (mixed cis and trans isomers).
EINECS 246-920-8; HSDB 5146; Octene; 2-Octene (mixed cis and trans isomers); Octene (all isomers); Octylene.

2764 Octenylsuccinic anhydride

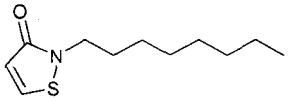
26680-54-6 H



$C_{12}H_{18}O_3$
Dihydro-3-(octenyl)furan-2,5-dione.
Dihydro-3-(octenyl)furan-2,5-dione; EINECS 247-899-8; 2,5-Furandione, dihydro-3-(octenyl)-; Succinic anhydride, octenyl-.

2765 Octhilinone

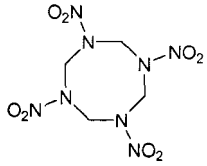
26530-20-1 6788 G P



$C_{11}H_{19}NOS$
2-Octyl-4-isothiazolin-3-one.
BRN 1211137; Caswell No. 613C; CCRIS 6082; EPA Pesticide Chemical Code 099901; 3(2H)-Isothiazolone, 2-octyl-; 4-Isothiazolin-3-one, 2-octyl-; Kathon®; Kathon® 893; Kathon® 893F; Kathon® 4200; Micro-Chek® 11; Kathon LM; Kathon LP preservative; Kathon SP 70; Micro-chek 11; Micro-chek 11D; Micro-chek skane; Microbicide M-8; Octhilinone; 2-Octyl-3-isothiazolone; 2-n-Octyl-4-isothiazolin-3-one; 2-Octyl-2H-isothiazol-3-one; 2-Octyl-3(2H)-isothiazolone; 2-Octyl-4-isothiazolin-3-one; Pancil; Pancil-T; RH 893; Skane 8; Skane M8; Vinylzene IT 3000DIDP. Antimicrobial, mildewcide for PVC, polyurethane, other polymers for use in roofing membranes, exterior automotive trims, awnings, tarpaulins, pond liners, marine upholstery, shower curtains, outdoor furniture, leather, textiles, paper, plastics floor polish and adhesives. Mildewcide for paints. Fungicide, biocide in cooling towers, cutting oils, cosmetics and shampoos. Leather preservative. A paste containing 1% w/w octhilinone is used as a fruit tree canker paint. Registered by EPA as a fungicide. Liquid; $bp_{0.01}$ = 120°; λ_m ■ 280 nm (log ε 3.88 MeOH); LD_5- (rat orl) ■ 1470 mg/kg, (rbt der) = 4500 mg/kg.; toxic to fish. *Buckman Laboratories Inc.; Ferro; Rohm & Haas Co.; Sanitized Inc; Thomson Research Associates; Thor; Troy Chemical Corp.*

2766 Octogen

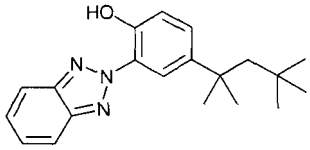
2691-41-0 6790 H



$C_4H_8N_8O_8$
1,3,5,7-Tetranitro-1,3,5,7-tetraazacyclooctane.
4-26-00-01645 (Beilstein Handbook Reference); BRN 0361386; Cyclotetramethylenetetranitramine; EINECS 220-260-0; HMX; β-Hmy; HSDB 5893; HW 4; LX 14-0; Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine; Octo-gen; Oktogen; Tetramethylenetetranitramine; UN0226; UN0484. White crystals; mp = 281°; insoluble in H_2O.

2767 Octrizole

3147-75-9 D G H

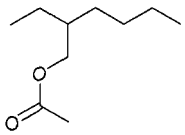


$C_{20}H_{25}N_3O$
2-(2-Hydroxy-5-t-octylphenyl)benzotriazole.
2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-phenol; Cyasorb® UV 5411; EINECS 221-573-5; 2-(2-Hydroxy-5-t-

octylphenyl)benzotriazole; Octrizol; Octri-zole; Octrizolum; Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-; Spectra-Sorb UV 5411; UV Absorber-5; Uvazol 311. Light stabilizer and UV absorber for polymeric systems including polyester, PVC, styrenics, acrylics, PC, polyvinyl butyral, PNMA, PS, ABS and unsaturated polyesters. End-uses including molding, sheet, and glazing materials for window, marine, and auto applications; also in coatings, photoproducts, sealants and elastomeric materials. *Am. Cyanamid; EniChem SpA.*

2768 Octyl acetate

103-09-3 6795 G H



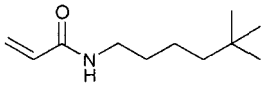
$C_{10}H_{20}O_2$

2-Ethylhexyl acetate.

4-02-00-00166 (Beilstein Handbook Reference); Acetic acid, 2-ethylhexyl ester; AI3-07924; BRN 1758321; EINECS 203-079-1; 2-Ethylhexyl acetate; 2-Ethyl-1-hexyl acetate; 22-Ethylhexylester kyseliny octove; FEMA Number 2806; HSDB 2668; NSC 8897; Octyl acetate. Solvent for nitrocellulose, resins, lacquers, baking finishes. Liquid; mp = -80°; bp = 199°; d^{20} = 0.8718; insoluble in H_2O, soluble in EtOH, Et_2O; LD_{50} (rat orl) = 3 g/kg. *Degussa-Hüls Corp.; Eastman Chem. Co.; MTM Spec. Chem. Ltd.; Penta Mfg.*

2769 tert-Octylacrylamide

4223-03-4 H



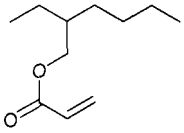
$C_{11}H_{21}NO$

2-Propenamide, N-(1,1,3,3-tetramethylbutyl)-.

4-04-00-00772 (Beilstein Handbook Reference); Acrylamide, N-(1,1,3,3-tetramethylbutyl)-; AI3-26325; BRN 1759951; EINECS 224-169-7; N-(1,1,3,3-Tetra-methylbutyl)-2-propenamide; N-(1,1,3,3-Tetramethyl-butyl)acrylamide; NSC 9035; tert-Octylacrylamide; N-tert-Octylacrylamide; 2-Propenamide, N-(1,1,3,3-tetramethylbutyl)-.

2770 Octyl acrylate

103-11-7 G H



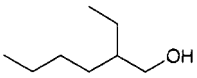
$C_{11}H_{20}O_2$

2-Ethylhexyl acrylate.

4-02-00-01467 (Beilstein Handbook Reference); Acrylic acid, 2-ethylhexyl ester; AI3-03833; BRN 1765828; CCRIS 3430; EINECS 203-080-7; 2-Ethyl-1-hexyl acrylate; 2-Ethylhexyl 2-propenoate; 2-Ethylhexyl acrylate; 2-Ethylhexylester kyseliny akrylove; HSDB 1121; Mono(2-ethylhexyl) acrylate; NSC 4803; Octyl acrylate; 2-Propenoic acid, 2-ethylhexyl ester. Liquid; mp = -90°; bp_{60} = 123-127°; d^{25} = 0.880; insoluble in H_2O (< 1 mg/ml). *BASF Corp.; Hoechst Celanese; Sartomer; Union Carbide Corp.*

2771 Octyl alcohol

104-76-7 3842 G H



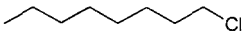
$C_8H_{18}O$

2-Ethylhexan-1-ol.

4-01-00-01783 (Beilstein Handbook Reference); 2-Aethylhexanol; 2-Äthylhexanol; Aerofroth 88; AI3-00940; Alcohol, 2-ethylhexyl; BRN 1719280; CCRIS 2292; EINECS 203-234-3; Ethylhexanol; Ethylhexanol, 2-; 1-Hexanol, 2-ethyl-; 2-Ethyl-1-hexanol; 2-Ethylhexan-1-ol; 2-Ethylhexanol; 2-Ethylhexyl alcohol; FEMA No. 3151; HSDB 1118; NSC 9300; Octyl alcohol. Plasticizer for PVC resins; defoaming agent, wetting agent, organic synthesis, solvent mix for nitrocellulose; penetrant for plasticizing inks. Used in the mining industry; mercerizing textiles; solvent for dyes, resin, oils; antifoaming properties. Liquid; mp = -70°; bp = 184.6°; slightly soluble in H_2O (0.14 g/100 ml), soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 12.46 mg/kg. *Am. Cyanamid; Aristech; Ashland; BASF Corp.; BP Chem.; Eastman Chem. Co.; Shell.*

2772 Octyl chloride

111-85-3 H



$C_8H_{17}Cl$

1-Chlorooctane.

Capryl chloride; 1-Chlorooctane; EINECS 203-915-5; HSDB 5551; NSC 5406; Octane, 1-chloro-; Octyl chloride; 1-Octyl chloride; n-Octyl chloride. Liquid; mp = -57.8°; bp = 181.5°; d^{20} = 0.8738; insoluble in H_2O, slightly soluble in CCl_4, very soluble in EtOH, Et_2O.

2773 sec-Octyl epoxytallate

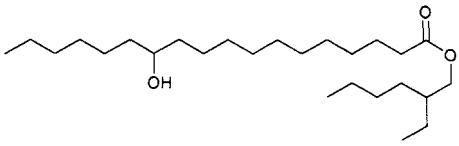
61789-01-3 H

2-Ethylhexyl epoxy tallate.

EINECS 263-024-2; 2-Ethylhexanol, tall oil fatty acids epoxidized ester; 2-Ethylhexyl epoxy tallate; Expoxidized 2-ethylhexyl ester of tall oil fatty acid; Fatty acids, tall-oil, epoxidized, 2-ethylhexyl esters; Flexol EP-8; Flexol plasticizer EP-8; sec-Octyl epoxytallate; Tall oil, epoxidized, 2-ethylhexyl esters.

2774 Octyl hydroxystearate

29710-25-6 G



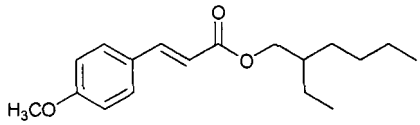
$C_{26}H_{52}O_3$

2-Ethylhexyl 12-hydroxy octadecanoate.

EINECS 249-793-7; 2-Ethylhexyl 12-hydroxy octa-decanoate; 2-Ethylhexyl 12-hydroxystearate; Octa-decanoic acid, 12-hydroxy-, 2-ethylhexyl ester; Wickenol® 171. Emollient, moisturizer, pigment wetter/dispersant; increases water vapor porosity of fatty components used in cosmetic and topical pharmaceutical preparations; refatting agent, counterirritant, cosolvent, solubilizer. *CasChem.*

2775 Octyl methoxycinnamate

5466-77-3 6799 G



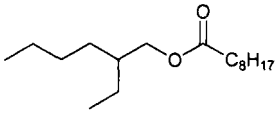
$C_{18}H_{26}O_3$

3-(4-Methoxyphenyl)-2-propenoic acid 2-ethylhexyl ester.

AI3-05710; CCRIS 6200; EINECS 226-775-7; Escalol; Escalol® 557; 2-Ethylhexyl methoxycinnamate; 2-Ethylhexyl-4-methoxycinnamate; 2-Ethylhexyl p-meth-oxycinnamate; 3-(4-Methoxyphenyl)-2-propenoic acid, 2-ethylhexyl ester; Neo Heliopan®; Neo Heliopan® AV; NSC 26466; Octinoxate; Octyl methoxycinnamate; Parsol® MOX; 2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester; 2-ethylhexyl p-methoxy-cinnamate; Octyl methoxy cinnamate; Parsol MCX; Parsol MOX; Neo Heliopan, Type AV; Beclovent Inhaler. UV-B absorber, sunscreening agent in the wavelength range of 2900-3200 A where causes sunburn and skin damage result, stimulates tanning. Used in cosmetic applications, waterproof sunscreens. *Bernel; Givaudan; Glaxo Labs.; Haarmann & Reimer GmbH; Van Dyk.*

2776 Octyl pelargonate

59587-44-9 G



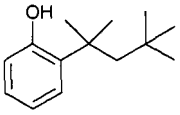
$C_{17}H_{34}O_2$

2-Ethylhexyl pelargonate.

EINECS 261-819-9; 2-Ethylhexyl nonanoate; 2-Ethylhexyl pelargonate; Nonanoic acid, 2-ethylhexyl ester; Octyl pelargonate; Wickenol® 160. Emollient, moisturizer, pigment wetter/dispersant; increases water vapor porosity of fatty components used in cosmetic and topical pharmaceutical preparations; improves stick formulations. *CasChem.*

2777 Octyl phenol

27193-28-8 H



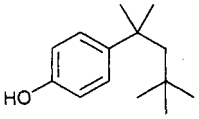
$C_{14}H_{22}O$

(1,1,3,3-Tetramethylbutyl)phenol.

Caswell No. 613D; EINECS 248-310-7; EPA Pesticide Chemical Code 064118; Octyl phenol; Octylphenol; tert-Octylphenol; Phenol, (1,1,3,3-tetramethylbutyl)-; Phenol, octyl-; (1,1,3,3-Tetramethylbutyl)phenol; USAF RH-6. Mixture of o, m and p-isomers.

2778 p-Octylphenol

140-66-9 H



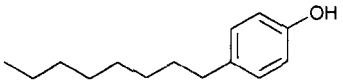
$C_{14}H_{22}O$

p-(1,1,3,3-Tetramethylbutyl)phenol.

4-06-00-03484 (Beilstein Handbook Reference); AI3-10011; BRN 0513992; EINECS 205-426-2; HSDB 5411; NSC 5427; p-Octylphenol; 4-t-Octylphenol; 4-t-Octylphenol; p-terc.Oktylfenol; para-t-Octylphenol; Phenol, 4-(1,1,3,3-tetramethylbutyl)-.

2779 p-Octylphenol

1806-26-4 H



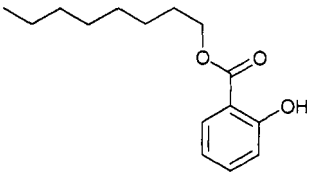
$C_{14}H_{22}O$

1-(p-Hydroxyphenyl)-n-octane.

EINECS 217-302-5; HSDB 5857; 1-(p-Hydroxyphenyl)-octane; Phenol, 4-octyl-; Phenol, p-octyl-; 4-Octylphenol; p-Octylphenol; para-Octylphenol.

2780 Octyl salicylate

118-60-5 G



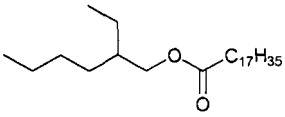
$C_{15}H_{22}O_3$

Octyl salicylate.

3-10-00-00124 (Beilstein Handbook Reference); Benzoic acid, 2-hydroxy-, 2-ethylhexyl ester; BRN 2730664; Dermoblock OS; EINECS 204-263-4; Ethyl hexyl salicylate; 2-Ethylhexyl salicylate; Ethylhexyl salicylate; 2-Ethylhexyl 2-hydroxybenzoate; Neo Heliopan® OS; NSC 46151; Octisalate; Octyl salicylate; Salicylic acid, 2-ethylhexyl ester; Sunarome O; Sunarome WMO; USAF DO-11; Uvinul® O-18; WMO. UV-B absorber for cosmetic applications, waterproof sunscreens; solubilizer for oxybenzone. Solid; bp_{21} = 189-190°; d = 1.014. *Akzo Chemie; BASF Corp.; Haarmann & Reimer GmbH.*

2781 Octyl stearate

22047-49-0 G



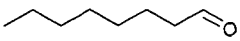
$C_{26}H_{52}O_2$

2-Ethylhexyl octadecanoate.

Cetiol 868; EINECS 244-754-0; 2-Ethylhexyl stearate; Octadecanoic acid, 2-ethylhexyl ester; Octyl stearate; Stearic acid, 2-ethylhexyl ester; Wickenol® 156. Emollient, moisturizer, pigment wetter/dispersant; increases water vapor porosity of fatty components used in cosmetic and topical pharmaceutical preparations. CasChem.

2782 Octylaldehyde

123-05-7 H



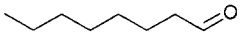
$C_8H_{16}O$

2-Ethylhexaldehyde.

4-01-00-03345 (Beilstein Handbook Reference); AI3-26805; BRN 1700556; Butylethylacetaldehyde; CCRIS 4643; EINECS 204-596-5; Ethylbutylacetaldehyde; Ethyl-hexaldehyde; α-Ethylcaproaldehyde; 2-Ethylcaproalde-hyde; 2-Ethylhexaldehyde; 2-Ethylhexanal; 2-Ethyl-hexylaldehyde; Hexanal, 2-ethyl-; HSDB 5142; NSC 42871; Octyl aldehyde. Liquid; mp <-100°; bp = 163°; d20ks = 0.8540; insoluble in H_2O; slightly soluble in CCl_4, soluble in EtOH, Et_2O.

2783 Octylaldehyde

124-13-0 1772 H



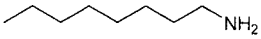
$C_8H_{16}O$

n-Octyl aldehyde.

4-01-00-03337 (Beilstein Handbook Reference); AI3-03961; Aldehyde C8; Antifoam-LF; BRN 1744086; C8 aldehyde; Caprylaldehyde; Caprylic aldehyde; EINECS 204-683-8; FEMA No. 2797; HSDB 5147; NSC 1508; Octaldehyde; n-Octaldehyde; Octanal; n-Octanal; Octanaldehyde; Octanoic aldehyde; Octyl aldehyde; Octylaldehyde. Solid; mp = 171°; d^{20} = 0.8211; λ_m = 295 nm (ε = 13, C_6H_{14}); very soluble in Me_2CO, C_6H_6, Et_2O, EtOH.

2784 Octylamine

111-86-4 G H



$C_8H_{19}N$

n-Octylamine.

4-04-00-00751 (Beilstein Handbook Reference); AI3-11522; Amine-8D; 1-Aminooctane; Armeen 8; Armeen 8D; BRN 1679227; Caprylamine; Caprylylamine; EINECS 203-916-0; NSC 9824; 1-Octanamine; Octylamine; 1-Octylamine; n-Octylamine; n-Octylamine, mono-. Chemical intermediate. Liquid; mp ◘ 0°; bp = 179.6°; d^{20} = 0.7826; slightly soluble in H_2O; solubie in CCl_4, very soluble in EtOH, Et_2O.soluble in organic solvents.

2785 Octylated diphenylamines

68921-45-9 G

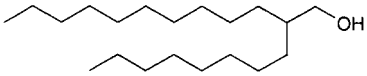
$C_{28}H_{43}N$

Diphenylamine reaction product with styrene and diisobutylene.

Agerite® Stalite; Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene; Diphenylamine reaction product with styrene and diisobutylene; EINECS 272-940-1; Reaction product of N-phenylbenzenamine, ethenylbenzene, and diisobutylene. A proprietary antioxidant. Insoluble in H_2O, soluble in organic solvents. *Vanderbilt R.T. Co. Inc.*

2786 Octyldodecanol

5333-42-6 G



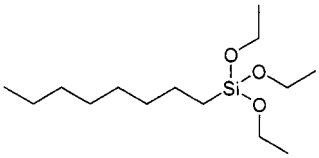
$C_{20}H_{42}O$

2-Octyldodecan-1-ol.

3-01-00-01844 (Beilstein Handbook Reference); AI3-19966; BRN 1763479; 1-Dodecanol, 2-octyl-; EINECS 226-242-9; Eutanol G; Exxal 20; Isofol 20; Kalcohl 200G; Kalcohl 200GD; Michel XO-150-20; NSC 2405; 2-Octyldodecanol; 2-Octyl dodecanol; 2-Octyl-1-dodecanol; 2-Octyldodecyl alcohol; Rilanit G 20; Standamul G. Lubricant, emollient for cosmetics and pharmaceuticals; for oil-soluble active ingredients; pigment dispersant. Used in organic synthesis. *Henkel/Cospha; Michel M.*

2787 Octyltriethoxysilane

2943-75-1 G



$C_{14}H_{32}O_3Si$

n-Octyltriethoxysilane.

A 137; A 137 (coupling agent); Dynasylan® OCTEO; EINECS 220-941-2; NSC 42964; Octyl(triethoxy)silane; Prosil® 9202; Prosil® 9234; Silane, triethoxyoctyl-; Silquest A 137; Triethoxyoctylsilane; Union Carbide® A-137; Y 9187. Coupling agent for hydrophobic treatment, crosslinking agent providing durability, gloss, hiding power to coatings. Chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_2 = 98-99°; d = 0.878. *Degussa-Hüls Corp.; PCR; Union Carbide Corp.*

2788 4-Octyne-3,6-diol, 3,6-dimethyl-

78-66-0 G

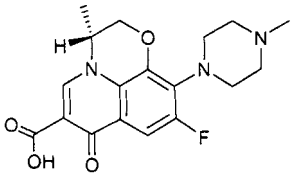
$C_{10}H_{18}O_2$

3,6-Dimethyl-4-octyne-3,6-diol.

4-01-00-02706 (Beilstein Handbook Reference); AI3-07312; BRN 1722390; 3,6-Dimethyl-4-octyne-3,6-diol; 3,6-Dimethyl-octin-4-diol-(3,6); 3,6-Dimethyloct-4-yne-3,6-diol; EINECS 201-131-8; NSC 1025; 4-Octyne-3,6-diol, 3,6-dimethyl-; Surfynol 82; Surfynol 85. Surfactant, defoamer, wetting agent, visocsity reducer used with aqueous systems, pesticide concentrates, shampoos, vinyl plastisols, starch solutions, flexographic inks, electroplating baths. Detergent for radiator cleaners, Solid; mp = 53-55°; bp_{680} = 208-214°. *Air Products & Chemicals Inc.*

2789 (S)-(-)-Ofloxacin

100986-85-4 6800 D



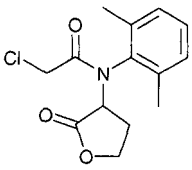
$C_{18}H_{20}FN_3O_4$

(S)-(-)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid.

CCRIS 4074; Cravit; DL-8280; DR-3355; DR3355; DRG-0129; Elequine; Exocin; Floxin; HOE-280; HR 355; Levaquin; Levofloxacin; Levofloxacine; Levofloxacino; Levofloxacinum; Ocuflox; (-)-Ofloxacin; (S)-Ofloxacin; (S)-(-)-Ofloxacin; Ofloxacin S-(-)-form; RWJ 25213-097; Synonyms. Quinolone antibiotic. Crystals; mp = 225-227° (dec); $[\alpha]_D^{23}$ = -76.9° (c = 0.385 0.5N NaOH); LD_{50} (mmus orl) = 1881 mg/kg, (fmus orl) = 1803 mg/kg, (mrat orl) = 1478 mg/kg, (frat orl)◘ 1507 mg/kg. *Daiichi Seiyaku; Hoechst AG.*

2790 Ofurace

58810-48-3 F



$C_{14}H_{16}ClNO_3$

2-Chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furyl)acetamide.

5-18-11-00316 (Beilstein Handbook Reference); Acet-amide, 2-chloro-N-(2,6-dimethylphenyl)-N-(tetra-hydro-2-oxo-3-furanyl)-; Acetanilide, 2-chloro-2',6'-di-methyl-N-(2-oxotetrahydro-3-furyl)-; BRN 1653655; Chevron 20615; (±)- -2-Chloro-N-2,6-xylylacetamido- -butyro-lactone; 2-Chloro-2',6'-dimethyl-N-(2-oxotetrahydro-3-furyl)acetanilide; 2-Chloro-N-(2,6-di-methylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamide; 2-Chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furyl)acetamide; EINECS 261-451-9; Milfuram; Ofurace; Ortho 20615; RE 20615. Fungicide used for the control of potato blight. Colorless crystals; mp ▫ 145 - 146°; sg^{20} ▫ 1.366; soluble in H_2O ((0.014 g/100 ml at 20°), $CHCl_3$ (37 g/100 ml), Me_2CO (135 g/100 ml), DMF (34 g/100 ml), cyclohexanone (14 g/100 ml), EtOAc (4.4 g/100 ml), i-PrOH (0.6 g/100 ml), readily soluble in CH_2Cl_2, N-methylpyrrolidone, chlorobenzene, insoluble in C_6H_{14}, kerosene; LD_{50} (mrat orl) = 3500 mg/kg, (frat orl) = 2600 mg/kg, (rbt der) > 5000 mg/kg; non-toxic to bees. *Aventis Crop Science; DowElanco Ltd.*

2791 Oil of Pennyroyal

8007-44-1 6863 G P

$C_{10}H_{18}O$

Pennyroyal oil.

American pennyroyal oil; Caswell No. 638B; EPA Pesticide Chemical Code 040509; Hedeoma oil; Oil of pennyroyal; Oils, pennyroyal, Hedeoma pulegioides; Pennyroyal; Pennyroyal oil; Pennyroyal oil, American; Pennyroyal oil, European. Registered by EPA as an insecticide (cancelled). Pale yellow liquid; d_{25}^{25} = 0.920 - 0.935; $[\alpha]_D^{20}$= +18° - +22°; slightly soluble in H_2O, soluble in 70% EtOH (33 g/100 ml), very soluble in $CHCl_3$, Et_2O.

2792 Oil of turpentine, α-pinene fraction

65996-96-5 H

Turpentine-oil, α-pinene fraction.

EINECS 266-031-9; Oil of turpentine, α-pinene fraction; Turpentine-oil, α-pinene fraction.

2793 Oil of turpentine, β-pinene fraction

65996-97-6 H

Turpentine-oil, β-pinene fraction.

EINECS 266-032-4; Oil of turpentine, β-pinene fraction; Turpentine-oil, β-pinene fraction.

2794 Oil of turpentine, limonene fraction

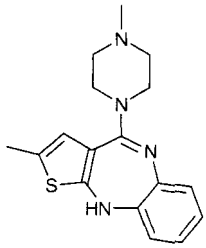
65996-99-8 H

Turpentine-oil, limonene fraction.

EINECS 266-035-0; Oil of turpentine, 30% or greater limonene fraction; Turpentine-oil, limonene fraction.

2795 Olanzapine

132539-06-1 6892 D



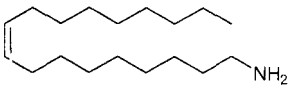
$C_{17}H_{20}N_4S$

2-Methyl-4-(4-methyl-1-piperazinyl)-10H-thieno[2,3-b][1,5]benzodiazepine.

Lanzac; LY 170053; Olansek; Olanzapine; Zyprexa. A serotonin and dopamine receptor antagonist with anticholinergic activity; a tricyclic antipsychotic. Antipsychotic. Crystals; mp = 195°. *Eli Lilly & Co.*

2796 Oleamine

112-90-3 G H



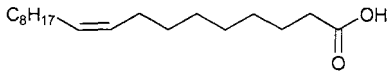
$C_{18}H_{37}N$

9-Octadecen-1-amine, (Z)-.

4-04-00-01132 (Beilstein Handbook Reference); Alamine 11; Armeen O; BRN 1723960;; EINECS 204-015-5; HSDB 5579; Jet Amine PO; Kemamine® P 989; Noram O; OA; 9-Octadecen-1-amine, (Z)-; 9-Octadecenylamine, (Z)-; cis-9-Octadecenylamine; Oleamine; Oleinamine; Oleyl amine; Radiamine 6172. Emulsifier for herbicides, ore flotation, pigment dispersion; auxiliary for textiles, leather, rubber, plastics, and metal industries. Corrosion inhibitor, flotation agent, emulsifier, mold release agent, lube oil additive, fertilizer anticaking agent. Used as a dispersing and flushing agent, as a chemical intermediate, in metalworking oils, as fuel oil additive; mold release for rubber and plastics; lubricant and spinning aid in metalworking oils. Mineral flotation, corrosion inhibitor, pigment dispersant; cosmetics; lubricant and mold release for hard rubber, textile chemical, chemical synthesis; antistat and antifog additive for plastic foils. Solid; mp = 15-22°; bp - 349°; d = 0.8130; insoluble in H_2O, soluble in organic solvents. *CK Witco Corp.; Croda; Fina Chemicals.*

2797 Oleic acid

112-80-1 6898 G P



$C_{18}H_{34}O_2$

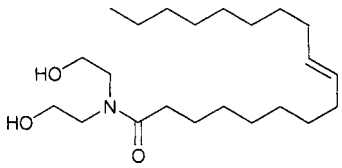
cis -9-Octadecenoic acid.

4-02-00-01641 (Beilstein Handbook Reference); Acide oleique; l'Acide oleique; AI3-01291; BRN 1726542; Caswell No. 619; CCRIS 682; Century cd fatty acid; Crodolene®; D 100; D 100 (fatty acid); EINECS 204-007-1; Elaic acid; Elaidoic acid; Elainic acid; Emersol®; Emersol® 205; Emersol® 210; Emersol® 211; Emersol® 213; Emersol® 220 white oleic acid; Emersol® 221 low titer white oleic acid; Emersol® 233LL; Emersol® 6313NF; Emersol® 6321; EPA Pesticide Chemical Code 031702; Extra Oleic 80R; Extra Oleic 90; Extra Oleic 99; Extra Olein 80; Extra Olein 90; Extra Olein 90R; FEMA Number 2815; Glycon®; Glycon® RO; Glycon® WO; Groco® 5l; Groco® 6; Groco®; HSDB 1240; Hy-phi® 1055; Hy-phi® 1088;

Hy-phi® 2066; Hy-phi® 2088; Hy-phi® 2102; Hy-Phi®; HY-Phi® 1055; HY-Phi® 1088; HY-Phi® 2066; HY-Phi® 2088; HY-Phi® 2102; Industrene® 105; industrene® 205; Industrene® 206; Industrene®;; K 52; Lunac O-CA; Lunac O-LL; Lunac O-P; Metaupon; NAA 35; Neo-Fat 92-04; NSC 9856; 9-Octadecenoic acid (9Z)-; Z-9-Octadecenoic acid; cis-Δ^9-Octadecenoic acid; cis-Octadec-9-enoic acid; cis-Δ^9-cis-Oleic acid; Ölsäuere; Oelsauere; Oleic acid; Oleine 7503; Oleinic acid; Pamolyn; Pamolyn 100; Priolene 6906; Priolene 6907; Priolene 6928; Priolene 6930; Priolene 6933; Tego-oleic 130; Vopcolene 27; Wecoline OO; White oleic acid; Wochem No. 320. Detergent intermediate for personal care, emollient, household and industrial applications. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide (cancelled). Yellowish, oily liquid; mp = 13.4°; bp_{100} = 286°; insoluble in H_2O, freely soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 74000 mg/kg, (rat iv) = 2.4 mg/kg, (mus iv) = 230 mg/kg. *Akzo Nobel; Arizona; Brown; Fluka; Henkel/Emery; Hercules Inc.; Ruger; Schweizerhall Inc.; Spectrum Chem. Manufacturing; Unichema; Union Derivan SA; Witco/Oleo-Surf.*

2798 Oleic acid diethanolamide

93-83-4 GH



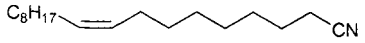
$C_{22}H_{43}NO_3$

9-Octadecenamide, N,N-bis(2-hydroxyethyl)-, (9Z)-.

Alkamide® DO-280; Alkamide® WRS 1-66; Alrosol O; Amisol ode; BRN 1985420; Clindrol 2000; Clindrol 2020; Comperlan OD; Diethanolamine oleic acid amide; Diethanololeamide; N,N-Diethanololeamide; EINECS 202-281-7; EMID 6545; Emulsifier WHC; Lauridit OD; Mackamide O; Marlamid D 1885; Nitrene NO; Oleamide DEA; Oleamide, N,N-bis(2-hydroxyethyl)-; Oleic acid diethanolamide; Oleic diethanolamide; Rewomid® DO 280; Schercomid ODA; Stafoam DO; Steinamid DO 280SE; Witcamide 511C. Emulsifier for highly nonpolar aliphatic hydrocarbons and chlorinated aliphatic hydrocarbons; rust inhibitor. Used with diethanolamine as a detergent and in the cosmetic, cleaning, and detergent industries, as a water-oil emulsifier, pigment dispersant, conditioner, corrosion inhibitor, and viscosity builder; emulsifier for aromatic and aliphatic hydrocarbon solvents; used in gel-type pine cleaners, shampoo formulations, hair conditioning agent. *Rohm & Haas Co.; Scher*, 1261.

2799 Oleic acid nitrile

112-91-4 H



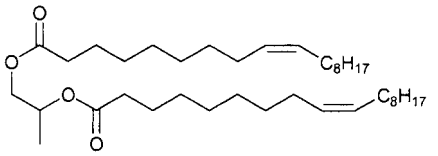
$C_{18}H_{33}N$

9-Octadecenenitrile, (Z)-.

4-02-00-01668 (Beilstein Handbook Reference); BRN 1102081; EINECS 204-016-0; HSDB 5580; 9-Octadecenenitrile, (9Z)-; 9-Octadecenenitrile, (Z)-; 9-Octadecenoic acid (cis), nitrile (cis); Oleic acid nitrile; Oleic nitrile; Oleonitrile; Oleoylnitrile; Oleyl nitrile; Oleylonitrile; Olsaeurenitril. Liquid; mp = -1°; bp = 332° (dec); d^{17} = 0.847; very soluble in EtOH.

2800 Oleic acid, propylene ester

105-62-4 H



$C_{39}H_{72}O_4$

1-Methyl-1,2-ethanediyl 9-octadecenoate.

AI3-09503; EINECS 203-315-3; 1-Methyl-1,2-ethanediyl 9-octadecenoate; 1-Methyl-1,2-ethanediyl dioleate; 9-Octadecenoic acid, 1,3-propanediyl ester; 9-Octadecenoic acid (9Z)-, 1-methyl-1,2-ethanediyl ester; Oleic acid, propylene ester; Propylene glycol dioleate.

2801 Oleth-12

9004-98-2 E G

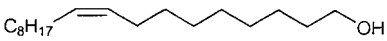
$(C_2H_4O)+nC_{18}H_{36}O$

Poly(oxy-1,2-ethanediyl),α-9-octadecenyl-ω-hydroxy-, (Z)-.

Ablunol OA-6; Ahco 3998; Amerox OE-20; Ameroxol OE 10; Ameroxol OE 2; Atlas G 3915; Atlas G 3920; Atmer 137; Blaunon EN 905; Blaunon EN 909; Blaunon EN 1504; Blaunon EN 1540; Brij 96; Brij 97; BRIJ 92; BRIJ 92((2)-oleyl); BRIJ 96((10) oleyl); BRIJ 98; BRIJ 98((20) oleyl); BRIJ 99; Chemal OA 9; EL-620; EL-719; Emalex 505; Emalex 510; Emalex 515; Emalex 520; Emery 6802; Emulgen 3200; Emulgen 404; Emulgen 408; Emulgen 409P; Emulgen 420; Emulgen 430; Emulphor; Emulphor O; Emulphor ON-870; Emulphor ON 870; Emulphor surfactants; Emulsogen MS 12; EO 20; Ethal OA 23; Ethosperse OA 2; Ethoxol 20; Ethoxylated oleyl alcohol; Ethylene oxide - oleyl alcohol adduct; Eumulgin EP 4; G 3910; G 3915; G 3920; Genapol O; Genapol O 020; Genapol O 050; Glycols, polyethylene, mono-9-octadecenyl ether, (Z)-; Lipal 20-OA; Lipocol O-20; Novol Poe 20; Oleth-12; Oleth-15; Oleth-20; Oleth-23; Oleth-25; Oleth-30; Oleth-4; Oleth-40; Oleth-44; Oleth-50; Oleth-6; Oleth-7; Oleth-8; Oleth-9; Oleyl alcohol EO (10); Oleyl alcohol EO (20); Oleyl alcohol EO (2); Oleylpolyoxethylene glycol ether; PEG-12 Oleyl ether; PEG-15 Oleyl ether; PEG-20 oleyl ether; PEG-20 Oleyl ether; PEG-23 Oleyl ether; PEG-25 Oleyl ether; PEG-4 Oleyl ether; PEG-40 Oleyl ether; PEG-44 Oleyl ether; PEG-50 Oleyl ether; PEG-6 Oleyl ether; PEG-7 Oleyl ether; PEG-8 Oleyl ether; PEG-9 Oleyl ether; Polyoxyethylene monooleyl ether; Polyoxyl 10 oleyl ether; Polyoxyl 10 oleyl ether; Procol OA-20; Procol OA-25; Siponic Y-501; Standamul O20; Trycol HCS; Volpo 20.; Glycols, polyethylene, mono-9-octadecenyl ether, (Z)-; Amerox oe-20; Ameroxol EO 2; Ameroxol OE 10; Ameroxol OE-20; Atlas G-3915; Atlas G-3920; BO 2; BO 7; Brij 92; Brij 93; Brij 96; Brij 97; Brij 98; Brij 99; Brij 92((2)-oleyl); Brij 96((10) oleyl); Decaethoxy oleyl ether; Dehydol 100; EL-620; EL-719; Emalex 515; Emery 6802; Emulgen 408; Emulgen 420; Emulgen 430; Emulgin 010; Emulgin 05; Emulphor; Emulphor ON-870; Emulphor O. Emollient, lubricant, emulsifier, solubilizer for cosmetic application; emulsifier in astringent creams and lotions; clear gel formation; superfatting in shampoos, foaming bath preparations, and Carbopol gels; used in cold waves, depilatories, and hair straighteners; solubilizer for bromoacids in lipsticks and liquid rouge; spreading agent for bath oils. *Taiwan Surfactants.*

2802 Oleyl alcohol

143-28-2 6900 G H



$C_{18}H_{36}O$

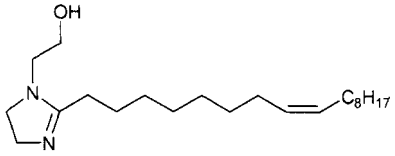
9-Octadecen-1-ol, (Z)-.

Adol® 34; Adol® 80; Adol® 85; Adol® 90; Adol® 320; Adol® 330; Adol® 340; AI3-07620; Atalco O; Cachalot O-1; Cachalot O-3; Cachalot O-8; Cachalot O-15; Conditioner 1; Crodacol A.10; Crodacol-O; Dermaffine; EINECS 205-597-3; H.D. eutanol; HD-Ocenol 90/95; HD-Ocenol K; HD oleyl alcohol 70/75; HD oleyl

alcohol 80/85; HD oleyl alcohol 90/95; HD oleyl alcohol CG; HSDB 6484; Lancol; Loxanol 95; Loxanol M; Novol; NSC 10999; Ocenol; Oceol; Octadecenol; Oleic alcohol; Oleo alcohol; Oleol; Oleoyl alcohol; Oleyl alcohol; Olive alcohol; Satol; Sipol O; Siponol OC; Unjecol 50; Unjecol 70; Unjecol 90; Unjecol 110; Witcohol 85; Witcohol 90. Super refined oleyl alcohollient, emulsion stabilizer, superfatting agent, pigment suspending aid, used in cosmetics, personal care products; lipsticks, sunscreens, antiperspirants, bath oils. Used as an emulsifier, lubricant, foam control agent, cosolvent, plasticizer and emollient. Oil; mp = 6.5°; bp_{13} = 207°; d^{20} = 0.8489; insoluble in H_2O, slightly sluble in CCl_4, soluble in EtOH, Et_2O. *Croda; Lanaetex; Michel M.; Ronsheim & Moore; Sherex.*

2803 Oleyl hydroxyethyl imidazoline;

95-38-5 407 G



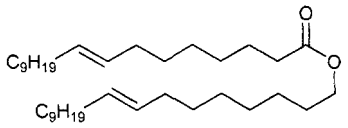
$C_{22}H_{42}N_2O$

2-(8-Heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol.

5-23-05-00319 (Beilstein Handbook Reference); Amine 220®; BRN 0025816; EINECS 202-414-9; 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol; 2-(8-Heptadecenyl)-4, 5-dihydro-1H-imidazole-1-ethanol; 2-(8-Heptadec-enyl)-2-imidazoline-1-ethanol; 2-(8-Heptadecenyl)-4,5-dihyd-ro-1H-imidazole-1-ethanol; 1-(2-Hydroxyethyl)-2-hepta-decenylglyoxalidine; 1-(2-Hydroxyethyl)-2-n-hepta-dec-enyl-2-imidazoline; 1-(2-Hydroxyethyl)-2-(8-hepta-decen-yl)-2-imidazoline; 1-(2-Hydroxyethyl)-2-heptadec-enyl-2-imidazoline; 1-Hydroxyethyl-2-heptadecenyl-glyoxalid-ine; 1H-Imidazole-1-ethanol, 2-(8-heptadec-enyl)-4,5-di-hydro-; 2-Imidazoline-1-ethanol, 2-(8-hepta-decenyl)-; Marlowet® 5440; Nalcamine G-13; NSC 231649; Oleyl imidazoline; Sovatex IM17H; UCL 5410. Used as an emulsifier for mineral oils, corrosion protection, car wash rinses. Also used as a fungicide and soil stabilizer, corrosion inhibitor; lubricant; antistatic agent; as a base for cationic surface active agents. See USP 2,987,515; 3,020,276. *Baker Petrolite Corp.; Hüls Am.*

2804 Oleyl oleate

3687-45-4 G



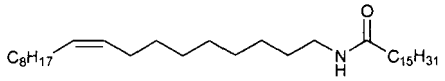
$C_{36}H_{68}O_2$

cis 9,10 octadecenyl-cis-9,10-octadecenoate.

EINECS 222-980-0; (Z)-Octadec-9-enyl oleate; 9-Octadecenoic acid, 9-octadecenyl ester; 9-Octadecenoic acid (Z)-, 9-octadecenyl ester, (Z)-; 9-Octadecenoic acid (9Z)-, (9Z)-9-octadecenyl ester; Cis 9,10 octadecenyl cis 9,10 octadecanoate; Oleyl oleate; Wickenol® 143. Lubricant used in cosmetic and toilet preparations; replacement for sperm oil in addition to functioning as cosmetic additive. *CasChem.*

2805 Oleyl palmitamide

16260-09-6 G



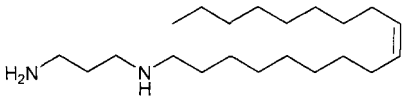
$C_{34}H_{67}NO$

Hexadecanamide, N-9-octadecenyl-.

EINECS 240-367-6; Hexadecanamide, N-(9Z)-9-octadecenyl-; Hexadecanamide, N-9-octadecenyl-, (Z)-; N-9-Octadecenyl hexadecanamide; (Z)-N-Octadec-9-enylhexadecan-1-amide; Oleyl palmitamide. Release agent providing slip, antiblocking to thermoplastics incl. PP film, nylon. *Croda; Witco/Humko.*

2806 N-Oleyl-1,3-propanediamine

7173-62-8 H



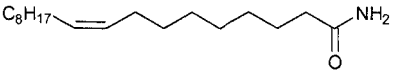
$C_{21}H_{44}N_2$

1,3-Propanediamine, N-9-octadecenyl-, (Z)-.

EINECS 230-528-9; (Z)-N-9-Octadecenylpropane-1,3-diamine; 1,3-Propanediamine, N-(9Z)-9-octadecenyl-.

2807 Oleylamide

301-02-0 G H



$C_{18}H_{35}NO$

9-Octadecenamide, (Z)-.

Adogen 73; Al3-36742; Armoslip CP; Crodamide O; Crodamide OR; EINECS 206-103-9; HSDB 5560; NSC 26987; Oleamide; Oleic acid amide; Oleyl amide; Polydis® TR 121; Slip-eze; Unislip 1759. Lubricant, slip and antiblock agent for extrusion of polyethylene; wax additive; ink additive. A brain lipid that induces physiological sleep when injected into rats. This lipid may represent a new class of biological signaling molecules. *Akzo Chemie; Chemax; Chemron; Croda; Henkel/Emery; Mona; Syn Prods.; Unichema; Witco/Humko.*

2808 Oleylamine, ethoxylated

26635-93-8 H

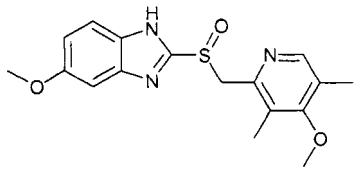
$(C_2H_4O)_x.(C_2H_4O)_y$-$C_{22}H_{45}NO_2$

Glycols, polyethylene, (9-octadecenylimino)diethylene ether, (Z)-.

N,N'-Bis(polyoxyethylene)oleylamine; Ethoxylated oleyl-amine; Glycols, polyethylene, (9-octadecenylimino)-diethylene ether, (Z)-; α,α'-((9-Octadecenylimino)di-2,1-ethanediyl)bis(omega-hydroxypoly(oxy-1,2-ethanediyl)-,(Z); N-Polyoxyethylated-N-oleylamine hydrochloride; Oleylamine, ethoxylated.

2809 Omeprazole

73590-58-6 6913 D



$C_{17}H_{19}N_3O_3S$

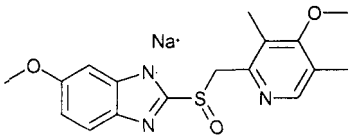
5-Methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridyl)-methyl]sulfinyl]benzimidazole.

Antra; Audazol; Aulcer; Belmazol; CCRIS 7099; Ceprandal; Danlox; Demeprazol; Desec; Dudencer; Elgam; Emeproton; Epirazole; Erbolin; Exter; Gasec; Gastrimut; Gastroloc; Gibancer; H 168/68; HSDB 3575; Indurgan; Inhibitron; Inhipump; Lensor; Logastric;

Lomac; Losec; Mepral; Miol; Miracid; Mopral; Morecon; Nilsec; Nopramin; Ocid; Olexin; Omapren; Omed; Omegast; OMEP; Omepral; Omeprazen; Omeprazol; Omeprazole; Omeprazolum; Omeprazon; Omeprol; Omesek; Omezol; Omezolan; Omid; Omisec; Omizac; OMP; Ompanyt; OMZ; Ortanol; Osiren; Ozoken; Paprazol; Parizac; Pepticum; Pepticus; Peptilcer; Prazentol; Prazidec; Prazolit; Prilosec; Procelac; Proclor; Prysma; Ramezol; Regulacid; Sanamidol; Secrepina; Tedec Ulceral; Ulceral; Ulcesep; Ulcometion; Ulcozol; Ulcsep; Ulsen; Ultop; Ulzol; Victrix; Zefxon; Zepral; Zimor; Zoltum. Gastric antisecretory agent (proton pump inhibitor). Used in treatment of Zollinger-Ellison syndrome. Antiulcerative. Crystals; mp = 156°; LD_{50} (mus iv) = 80 mg/kg, (mus orl) > 4000 mg/kg, (rat iv) > 50 mg/kg, (rat orl) > 4000 mg/kg. *Astra Hassle AB; Astra Sweden; Merck & Co.Inc.*

2810 Omeprazole Sodium

95510-70-6 D



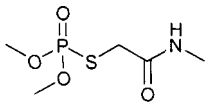
$C_{17}H_{18}N_3NaO_3S$

5-Methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridyl)methyl]sulfinyl]benzimidazole sodium salt.

Andra; H 168/68 sodium; H 168/68; Losec Sodium; Omeprazole sodium. Gastric antisecretory agent (proton pump inhibitor). Antiulcerative. *Astra Hassle AB; Astra Sweden; Merck & Co.Inc.*

2811 Omethoate

1113-02-6 G P



$C_5H_{12}NO_4PS$

O,O-Dimethyl S-[2-(methylamino)-2-oxoethyl] phospho-rothioate.

Dimethoate-met; Bay 45432; Folimat®; S-6876. Systemic insecticide and acaricide with contact and stomach action. Used for control of spider mites, aphids, beetles, caterpillars, scale insects, thrips, suckers, fruit flies etc. in fruit and vegetable crops and in forestry. Registered as an insecticide by EPA (cancelled). Yellow oil; dec. 135°; d^{20} = 1.32; readily soluble in H_2O and most organic solvents; LD_{50} (rat, rbt, cat orl) = 50 mg/kg, (gpg orl) = 100 mg/kg, (rat der) = 700 mg/kg, (hen orl) = 125 mg/kg; LC_{50} (mrat ihl 1 hr.) > 15 mg/l air, (goldfish 96 hr.) = 10 - 100 mg/l; toxic to bees. *Bayer AG; Bayer Corp.; Bayer plc.*

2812 Orange Oil

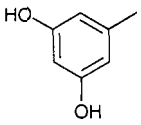
8008-57-9 E D H

sweet orange oil.

Absolue orange flower from water; Absolue orange flower decoloree; Absolue orange flower; Absolute orange flowers; Absolute petitgrain; Caswell No. 425A; CCRIS 683; Citrus sinensis Oil; Citrus sinensis peel oil; EPA Pesticide Chemical Code 040517; EPA Pesticide Chemical Code 040501; FEMA No. 2822; HSDB 1934; Neat oil of sweet orange; Neroli oil; Neroli oil, pommade; Oil of orange; Oil of sweet orange; Oils, orange; Oils, orange, sweet; Orange flower absolute; Orange flower oil; Orange flower water absolute; Orange leaf oil; Orange oil; Orange oil concentrate; Orange oil, sweet, expressed; Orange oil, sweet; Orange oil, terpeneless (Citrus sinensis (L.) Osbeck); Orange peel oil, sweet; Orange sweet oil, expressed; Petitgrain bigarade sur fleurs d'oranger; Petitgrain citronnier oil; Sweet orange oil; Sweet orange oil, terpeneless. FDA, FEMA GRAS, Europe listed, no restrictions, FDA approved for orals, BP compliance. Used as a flavoring agent, a carminative, treatment for stomach disorders, expectorant and tonic. Used in orals. Orange liquid; d^{25}_{25} = 0.842 - 0.846; $[\alpha]_D^{25}$ = +84° - +99°; slightly soluble in H_2O, soluble in EtOH, CS_2, AcOH. *Caminiti Foti & Co. Srl; Chr Hansen's Lab.; Florida Treatt; Ibrahim N. I.; Ruger.*

2813 Orcinol

504-15-4 6932 G



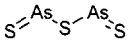
$C_7H_8O_2$

1,3-Dihydroxy-5-methylbenzene.

4-06-00-05892 (Beilstein Handbook Reference); AI3-23954; 1,3-Benzenediol, 5-methyl-; BRN 1071903; 1,3-Dihydroxy-5-methylbenzene; 3,5-Dihydroxytoluene; EINECS 207-984-2; 3-Hydroxy-5-methylphenol; 5-Methyl-1,3-benzenediol; 5-Methylresorcin; 5-Methyl-resorcinol; NSC 12441; Orcin; Orcinol; Resorcinol, 5-methyl-. Reagent for beet sugar, lignin, and pentoses. Prisms or leaflets; mp = 107.5°; bp = 289.5°; λ_m = 275, 281 nm (ε = 1510, 1490, MeOH); slightly soluble in ligroin, petroleum ether, soluble in H_2O, EtOH, Et_2O, C_6H_6; LD_{50} (rat orl) = 844 mg/kg.

2814 Orpiment

1303-33-9 815 G



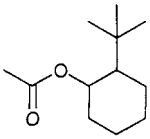
As_2S_3.

Arsenic trisulfide.

AI3-01006; Arsenic Red; Arsenic sesquisulfide; Arsenic sesquisulphide; Arsenic sulfide; Arsenic sulfide (As_2S_3), (yellow); Arsenic sulfide (As_2S_3); Arsenic sulfide Yellow; Arsenic sulphide; Arsenic tersulfide; Arsenic tersulphide; Arsenic trisulfide; Arsenic trisulphide; Arsenic Yellow; Arsenious sulfide; Arsenious sulphide; Arsenous sulfide; Auripigment; Auripigmentum; C.I. 77086; C.I. Pigment Yellow 39; CI 77086; Diarsenic trisulfide; Diarsenic trisulphide; EINECS 215-117-4; HSDB 428; King's Gold; NA1557; Pigment Yellow 39; Sekio; Shio; Yellow arsenic sulfide. Used in manufacture of glass, oilcloth and linoleum, in semi- and photoconductors, as a pigment and depilatory. Orange powder; mp = 300-325°; insoluble in H_2O. *Atomergic Chemetals.*

2815 Ortholate

88-41-5 G



$C_{12}H_{22}O_2$

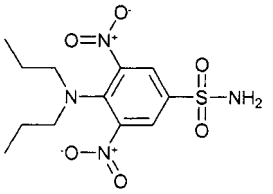
2-t-Butylcyclohexanol acetate.

1-Acetoxy-2-t-butylcyclohexane; 2-t-Butylcyclohexyl acetate; o-t-Butylcyclohexyl acetate; Cyclohexanol, 2-(1,1-dimethylethyl)-, acetate; 2-(1,1-Dimethylethyl)-cyclo-hexanol acetate; 2-(1,1-Dimethylethyl)cyclohexyl acetate; EINECS 201-828-7; Green acetate;; Grumex; Ortholate; Verdox; Ylanat ortho. Used in

perfumery. Clear yellow oil with a fresh fruity woody green apple odor. Solid; mp = 23 - 27°; bp1.5: = 98°; d^{25} = 0.937; LD_{50} (rbt der) >5000 mg/kg, (rat orl) = 4600 mg/kg. *Privi Organics Ltd.; Quest Intl.; Quest UK; Quest USA.*

2816 Oryzalin

19044-88-3 6953 G H P



$C_{12}H_8N_4O_6S$

4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide.

Benzenesulfonamide, 4-(dipropylamino)-3,5-dinitro-; BRN 2177305; Caswell No. 623A; Compound 67019; DF; Dinitrodipropylsulfanilamide; 3,5-Dinitro-N4,N4-dipropylsulfanilamide; 3,5-Dinitro-N4,N4-dipropylsulph-anilamide; 3,5-Dinitro-N^4,N^4-dipropylsulfanilamide; 3,5-Dinitro-N',N'-dipropylsulfanilamide; 4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide; Dirimal; Dirimal Extra; EL-119; EPA Pesticide Chemical Code 104201; HSDB 6858; N4,N4-dipropyl-3,5-dinitrosulfanilamide; Oryzalin; Rycelan; Ryzelan; Sulfanilamide, 3,5-dinitro-N(sup 4),N(sup 4)-dipropyl-; Surflan; Surflan 4AS; Surflan AS; Surflan. Selective herbicide; inhibits cell division and germination. Used for pre-emergence control of annual grasses. Used for pre-emergence control of annual grasses and used on ornamentals, trees, roses, flower beds, bulbs, and warm season turf; controls annual grasses any many broadleaf weeds; may be tank-mixed with Roundup. Registered by EPA as a herbicide. Yellow-orange crystals; mp = 141-142°; slightly soluble in H_2O (0.00025 g/100 ml), soluble in Me_2CO (> 50 g/100 ml), methyl Cellosolve (> 50 g/100 ml), CH_3CN (> 15 g/100 ml), MeOH (5 g/100 ml), CH_2Cl_2 (> 3 g/100 ml), C_6H_6 (0.4 g/100 ml), xylene (0.2 g/100 ml), insoluble in C_6H_{14}; LD_{50} (rat, mus orl) > 10000 mg/kg, (cat, dog orl) > 1000 mg/kg, (rbt der) > 2000 mg/kg, (ckn orl) > 1000 mg/kg, (bee orl) = 0.011 mg.bee; (bobwhite quail, mallard duck orl) > 500 mg/kg, LC_{50} (bluegill sunfish) = 2.88 mg/l, (rainbow trout) = 3.26 mg/l. *Dow AgroSciences; Lawn & Garden Products Inc.; Lebanon Seaboard Corporation.*

2817 Osmium tetroxide

20816-12-0 6962 G

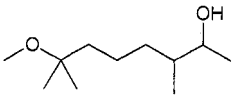
OsO_4

Osmic acid.

EINECS 244-058-7; HSDB 719; Osmic acid; Osmic acid anhydride; Osmium oxide (OsO_4), (β-4)-; Osmium tetraoxide; Osmium tetroxide; Perosmic acid anhydride; Perosmic oxide; RCRA waste number P087; UN2471; perosmic oxide. Used as a microscopic stain, in photography, as a oxidation catalyst in organic synthesis. Pale yellow crystals; mp = 40°; bp = 130°; soluble in H_2O (7.24 g/100 g), more soluble in organic solvents; highly toxic. *Atomergic Chemetals; Degussa AG; Janssen Chimica; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

2818 Osyrol

41890-92-0 G



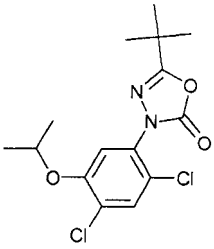
$C_{11}H_{24}O_2$

3,7-Dimethyl-7-methoxyoctan-2-ol.

BRN 1921024; Dihydromethoxyelgenol; 3,7-Dimethyl-7-methoxy-2-octanol; EINECS 255-574-7; Elesant; 7-Methoxy-3,7-dimethyloctan-2-ol; Methoxyelgenol; 2-Octanol, 3,7-dimethyl-7-methoxy-; 2-Octanol, 7-meth-oxy-3,7-dimethyl-; Osirol. Used in perfumery. *Bush Boake Allen* (IFF bought 2000).

2819 Oxadiazon

19666-30-9 6975 G P



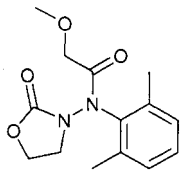
$C_{15}H_{18}Cl_2N_2O_3$

2-t-Butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-Δ^2-1,3,4-oxadiazoline-5-one.

BRN 0558070; 2-t-Butyl-4-(2,4-dichloro-5-isopropoxy-phenyl)- Δ^2-1,3,4-oxadiazoline-5-one; 2-t-Butyl-4-(2,4-di-chloro-5-isopropyloxyphenyl)-1,3,4-oxadiazolin-5-one; 5-t-Butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxa-diazol-2(3H)-one; Caswell No. 624A; 3-(2,4-Dichloro-5-(1-methylethoxy)-phenyl)-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one; 3-(2,4-Dichloro-5-isopropyloxy-phenyl)-Δ^4-5-(tert-butyl)-1,3,4-oxa-diazoline-2-one; EINECS 243-215-7; EPA Pesticide Chemical Code 109001; G 315; HSDB6936; 1,3,4-Oxadiazol-2(3H)-one,3-(2,4-dichloro-5-(1-methylethoxy)phenyl)-5-(1,1-di-methylethyl)-; Oxadiazon; Oxadiazone; Oxy-diazon; Ronstan; Ronstar; Ronstar 2G; Ronstar 50W; RP 17623; RP-17623; Scotts OH I; Δ^2-1,3,4-Oxadiazolin-5-one, 2-t-butyl-4-(2,4-dichloro-5-isopropyloxyphenyl)-. Selective systemic herbicide. Registered by EPA as a herbicide. White crystals; mp = 88 - 90°; insoluble in H_2O (0.00007 g/100 ml), soluble in EtOH (10 g/100 ml), MeOH (10 g/100 ml), cyclohexanone (20 g/100 ml), Me_2CO, acetophenone, anisole, isophorone, MEK (60 g/100 ml), CCl_4, C_6H_6, $CHCl_3$, CH_2Cl_2, C_7H_8 (100 g/100 ml); LD_{50} (rat orl) > 8000 mg/kg, (rat der) > 8000 mg/kg, (mallard duck orl) > 1000 mg/kg, (bobwhite quail orl) = 6000 mg/kg; LC_{50} (rat ihl) > 200 mg/l air, (carp 96 hr.) ▪ 9 - 15.4 mg/l; toxic to bees. *Aventis Crop Science; Aventis Environmental Science USA LP; Aventis ES Turf & Ornamental; Earth Care; Regal Chemical Co.; Rhône Poulenc Crop Protection Ltd.; Rhône-Poulenc Environmental Prods. Ltd; Scotts Co.; UAP - Platte Chemical; Wilbro Inc.*

2820 Oxadixyl

77732-09-3 6976 G P



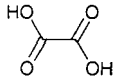
$C_{14}H_{18}N_2O_4$

N-(2,6-Dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide.

Acetamide, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)-; N-(2,6-Dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide; M 10797; 2-Methoxy-N-(2-oxo-1,3-oxazolidin-3-yl)acet-2',6'-xylidide; 2-Meth-oxy-N-(2-oxo-1,3-oxazolidine-3-yl)-acet-2,6-xylidine; Oxadixyl; Recoil; Ripost; SAN 371; SAN 371F; Sandofan; Wakil. Systemic fungicide with protective and curative action. Used in combination with contact fungicides (e.g. mancozeb; captofol etc.) for control of downy mildews, late blights and rusts in vines, potatoes, maize, tobacco, hops, sunflowers, citrus, fruits and vegetables. Registered by EPA as a fungicide (cancelled). Colorless crystals; mp = 104 - 105°; soluble in H_2O (0.34 g/100 ml at 25°), Me_2CO (27.1 g/100 ml), DMSO (42.9 g/100 ml), EtOH (3.9 g/100 ml), xylene (1.53 g/100 ml), Et_2O (0.42 g/100 ml); LD_{50} (mrat orl) = 3480 mg/kg, (frat orl) = 12860 mg/kg, (mmus orl) = 1860 mg/kg, (fmus orl) = 2150 mg/kg, (rat der) > 2000 mg/kg, (rbt der) > 2000 mg/kg, (mrat ip) = 490 mg/kg, (frat ip) = 550 mg/kg, (mallard duck orl) > 2510 mg/kg, (bee contact) > 0.1 mg/bee, (bee orl) > 0.2 mg/bee; LC_{50} (mallard duck, Japanese quail 8 day dietary) > 5620 mg/kg diet, (carp 96 hr.) > 300 mg/l, (rainbow trout 48 hr.) > 320 mg/l, (bluegill sunfish 48 hr.) = 360 mg/l, (*Daphnia* 48 hr.) = 530 mg/l. *Syngenta Crop Protection.*

2821 Oxalic acid

144-62-7 6980 G P



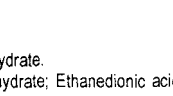
$C_2H_2O_4$

Ethane-1,2-dioic acid.

4-02-00-01819 (Beilstein Handbook Reference); Acide oxalique; Acido ossalico; Acidum oxalicum; AI3-26463; Aktisal; Aquisal; BRN 0385686; Caswell No. 625; CCRIS 1454; EINECS 205-634-3; EPA Pesticide Chemical Code 009601; Ethanedioic acid; HSDB 1100; Kyselina stavelova; NCI-C55209; NSC 62774; Oxaalzuur; Oxalate; Oxalic acid; Oxalsäure; Oxalsaeure; Oxiric acid. Automobile radiator cleanser, metal and equipment cleaning, purifying agent, intermediate, leather tanning, catalyst, laboratory reagent, stripping agent, textile bleaching, rare-earth processing, printing and dyeing auxiliary. Used for control of varroa in honeybees and as a rust preventative, wood preservative and cleaner. Registered by EPA as an antimicrobial and disinfectant (cancelled). Orthorhombic crystals; mp = 189.5°; sublimes 157°; d^{17} = 1.900; soluble in H_2O (6.7 g/100 ml at 15°, 8.3 g/100 ml at 20°, 9.8 g/100 ml at 25°. [dihydrate]: monoclinic prisms; mp = 101 - 102°; d^{18} = 1.653; pK_1 = 1.27, pK_2 = 4.238; pH of 0.1M solution = 1.3; soluble in H2} (14.3 g/100 ml at 25°, 50 g/100 ml at 100°), EtOH (40 g/100 ml at 20°, 55.5 g/100 ml at 76°), Et_2O (1 g/100 ml), glycerol (18.2 g/100 ml), insoluble in C_6H_6, $CHCl_3$, petroleum ether; LD_{50} (rat orl) = 0.475 mg/kg. *Ashland; Fluka; General Chem; Hoechst Celanese; La Littorale; Mallinckrodt Inc.; Mitsubishi Gas.*

2822 Oxalic acid dihydrate

6153-56-6 G



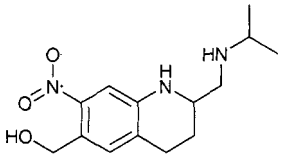
$C_2H_2O_4.2H_2O$

Ethanedioic acid, dihydrate.

Ethandionic acid, dihydrate; Ethanedionic acid dihydrate. Crystals; mp = 101°; d^{18} = 1.653; slightly soluble in Et_2O, soluble in H_2O, EtOH..

2823 Oxamniquine

21738-42-1 6988 D G



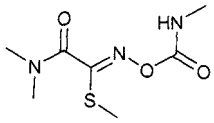
$C_{14}H_{21}N_3O_3$

1,2,3,4-Tetrahydro-2-[[(1-methylethyl)amino]methyl]-7-nitro-6-quinolinemethanol.

5-22-11-00475 (Beilstein Handbook Reference); BRN 0485597; CCRIS 4113; EINECS 244-556-4; HSDB 6510; Mansil; NSC 352888; Oxaminiquine; Oxamniquina; Oxamniquine; Oxamniquinum; UK 4271; Vansil. Anthelmintic. Targets schistosoma. Crystals; mp = 147-149°; soluble in Me_2CO, $CHCl_3$, MeOH, H_2O (0.03 g/100 ml); λ_m = 205.5, 249.5, 389.5 ($A^{1\%}_{1cm}$ 486, 695, 62.5 MeOH); LD_{50} (mus im) > 2000 mg/kg, (mus orl) = 1300 mg/kg, (rbt im) > 1000 mg/kg, (rbt orl) = 800 mg/kg. *Pfizer Inc.*

2824 Oxamyl

23135-22-0 6989 G H P



$C_7H_{13}N_3O_3S$

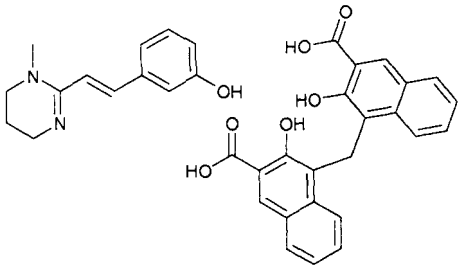
N',N'-Dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxam-imidic acid methyl ester.

BRN 2050910; Caswell No. 561A; CCRIS 1963; D-1410; 2-(Dimethylamino)-N-(((methylamino)carbonyl)oxy)-2-oxoethanimidothioic acid methyl ester; 2-Dimethyl-amino-1-(methylthio)glyoxal O-methylcarb-amoylmon-oxime; N',N'-Dimethyl-N-({methylcarbamoyl)-oxy)-1-thiooxamimidic acid methyl ester; N',N'-Dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate; N,N-Dimethyl-α-methylcarbamoyl-oxyimino-α-(methylthio)acetamide; N,N-Dimethyl-2-methylcarbamoyloxyimino-2-(methylthio)acetamide; Dioxamyl; DPX 1410; DPX 1410L; Du Pont 1410; DuPont 1410; EINECS 245-445-3; EPA Pesticide Chemical Code 103801; Ethanimidothioic acid, 2-(dimethylamino)-N-(((methylamino)carbonyl)oxy)-, methyl ester; Ethanimidothioic acid, 2-(dimethylamino)-N-(((methylamino)carbonyl)oxy)-2-oxo-, methyl ester; Formidic acid, 1-(dimethylcarbamoyl)-N-((methylcarb-amoyl)oxy)thio-, methyl ester; HSDB 6453; Insecticide-nematicide 1410; Methyl 2-(dimethylamino)-N-(((methylamino)carbonyl)oxy)-2-oxoethanimidothioate; Methyl 1-(dimethylcarbamoyl)-N-(methylcarbamoyloxy)-thioformimidate; S-Methyl 1-(dimethylcarbamoyl)-N-({methylcarbamoyl)oxy)thioformimidate; S-Methyl N',N'-dimethyl-N-(methylcarbamoyloxy)-1-thio-oxamimidate; Methyl N',N'-dimethyl-N-({methylcarbamoyl)oxy)-1-thio-oxamimidate; NSC 379588; Oxamil; Oxamimidic acid, N',N'-dimethyl-N-((methylcarbamoyl)oxy)-1-thio-, methyl ester; Oxamimidic acid, N',N'-dimethyl-N-({methyl-carbamoyl)oxy)-1-methylthio-; Oxamyl; RCRA waste no. P194; Thioxamyl; Vydate; Vydate-G; Vydate K; Vydate L; Vydate L insecticide/nematicide; Vydate L oxamyl insecticide/nematocide. Contact and systemic insecticide, acaricide and nematicide. Cholinesterase inhibitor. Absorbed by roots and foliage with translocation. Used for control of nematodes in ornamentals, fruit trees, vegetables, curcubits, beet, bananas, pineapples, groundnuts, cotton, soybeans, tobacco, potatoes and other crops. Registered by EPA as an acaricide and insecticide.

Used as a nematicide. Crystals; mp = 108-110°; sg^{25} = 0.97; soluble in H_2O (28 g/100 ml), MeOH (115 g/100 ml), EtOH (26 g/100 ml), i-PrOH (8.6 g/100 ml), Me_2CO (52.8 g/100 ml), C_7H_8 (0.86 g/100 ml); LD_{50} (rat orl) = 5.4 mg/kg, (rbt der) = 2960 mg/kg, (bobwhite quail orl) ■ 4.18 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 5.6 mg/l, (goldfish 96 hr.) = 27.5 mg/l, (rainbow trout 96 hr.) = 4.2 mg/l; toxic to bees. *DuPont.*

2825 Oxantel Pamoate

68813-55-8 6991 D G



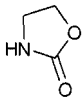
$C_{36}H_{32}N_2O_7$

(E)-m-[2-(1,4,5,6-Tetrahydro-1-methyl-2-pyrimidinyl)-vinyl]phenol 4,4'-methylenebis[3-hydroxy-2-naphthoate] (1:1) (salt).

CP 14,445-16; EINECS 272-332-6; Oxanel pamoate; Oxantel ebonate; Telopar. Anthelmintic. Targets nematodes. *Pfizer Inc.*

2826 Oxazolidine

497-25-6 G



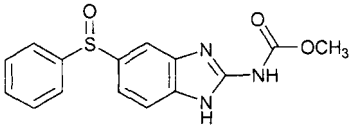
$C_3H_5NO_2$

2-oxazolidine.

4-27-00-02516 (Beilstein Handbook Reference); AI3-38980; BRN 0106251; Carbamic acid, (2-hydroxyethyl)-, gamma-lactone; EINECS 207-840-9; NSC 35382; 2-Oxazolidinone; 1,3-Oxazolidin-2-one; Oxazolidone; 2-Oxazolidone. Used as a preservative and antibacterial agent in water-based paints, latexes, emulsions, metalworking fluids; for oilfield water-flooding operations; corrosion inhibitor; crosslinking agent, catalyst for resin systems. Crystals; mp = 86-89°; bp_{48} = 220°. *Whittaker Clark & Daniels.*

2827 Oxfendazole

53716-50-0 7004 G V



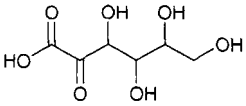
$C_{15}H_{13}N_3O_3S$

[5-(Phenylsulfinyl)-1H-benzimidazol-2-yl]carbamic acid methyl ester.

2-Benzimidazolecarbamic acid, 5-(phenylsulfinyl)-, methyl ester; BRN 0761290; Carbamic acid, (5-(phenylsulfinyl)-1H-benzimidazol-2-yl)-, methyl; EINECS 258-714-5; Fenbendazole sulfoxide; HOE 8105; Methyl (5-phenylsulfinyl)-1H-benzimidazol-2-yl carbamate; Methyl 5-(phenylsulfinyl)-2-benzimidazolecarbamate; OFDZ; Oxfendazol; Oxfendazole; Oxfendazolum; (5-(Phenylsulfinyl)-1H-benzimidazol-2-yl)carbamic acid methyl ester; 5-(Phenylsulfinyl)-2-benzimidazolecarbamic acid methyl ester; 5-Phenylsulfinyl-2-carbomethoxy-aminobenzimidazole; Repidose; RS 8858; Synanthic; Synanthic (Veterinary); Systamex; Systemax. Veterinary anthelmintic. Crystals; mp = 253° (dec); LD_{50} (rat) > 6400 mg/kg.

2828 2-Oxogluconic acid

669-90-9 H



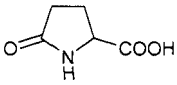
$C_6H_{10}O_7$

D-arabino-2-Hexulosonic acid.

D-arabino-Hexulosonic acid; D-arabino-2-Hexulosonic acid; EINECS 211-574-9; 2-Oxogluconic acid.

2829 5-Oxoproline

98-79-3 8091 G



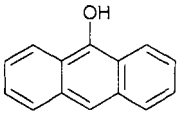
$C_5H_7NO_3$

L-Pyroglutamic acid.

Acide pidolique; Acido pidolico; Acidum pidolicum; Ajidew A-100; 2-Benzothiazolesulfenemorpholide; 2-Benzothiazolesulfenic acid morpholide; 5-Carboxy-2-pyrrolidinone; L-5-Carboxy-2-pyrrolidinone; EINECS 202-700-3; L-Glutamic Acid Gamma-lactam; Glutimic acid; L-Glutimic Acid; Glutiminic acid; L-Glutiminic Acid; NSC 143034; Oxoproline; 5-Oxo-l-proline; L-5-Oxoproline; (5S)-2-Oxopyrrolidine-5-carboxylic Acid; (S)-5-Oxo-2-pyrrolidinecarboxylic Acid; 2-Oxopyrrolidine-5-carbox-ylic Acid; 5-Oxo-2-pyrrolidinecarboxylic Acid; L-5-Oxo-2-pyrrolidinecarboxylic Acid; PCA; Pidolic acid; Proline, 5-oxo-; Proline, 5-oxo-, l-; L-Proline, 5-oxo-; Pyro-glutamic acid; L-Pyroglutamic acid; (S)-Pyroglutamic Acid; Pyrrolidinonecarboxylic acid; Pyrrolidone-carboxylic acid; Pyrrolidone-5-carboxylic acid; (-)-2-Pyrrolidone-5-carboxylic Acid; (S)-(-)-2-Pyrrolidone-5-carboxylic Acid; 2-Pyrrolidinone-5-carboxylic Acid; 2-l-Pyrrolidone-5-carboxylic Acid; 2-Pyrrolidone-5-carbox-ylate; 2-Pyrrolidone-5-carboxylic Acid; 5-Pyrrolidinone-2-carboxylic Acid; L-Pyrrolidinonecarboxylic acid; L-2-Pyrrolidone-5-carboxylic Acid; L-Pyrrolidonecarboxylic acid. A natural humectant used in cosmetics, soaps, dentifrices, medicinal supplies, tobacco, cellulose film, paper products, fiber products, paints; additive to dyeing agent, softening agent, finishing agent, and antistatic agent; Crystals; mp = 184.7°; soluble in H_2O (10 g/100 ml), DMSO; $[\alpha]_D^{20}$ = -8.7° (c ■ 13, H_2O); pH 1.8-2.2. *Ajinomoto Co. Inc.; Ajinomoto USA Inc.*

2830 Oxyanthracene

529-86-2 691 G



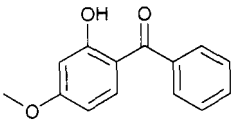
$C_{14}H_{10}O$

9-Anthranol.

4-06-00-04930 (Beilstein Handbook Reference); Anthracene, 9-hydroxy-; 9-Anthracenol; Anthranol; 9-Anthranol; 9-Anthrol; BRN 1869102; 9-Hydroxy-anthracene; NSC 39886. Used in the manufacture of dyestuffs. Yellow-red leaflets; mp = 152°.

2831 Oxybenzone

131-57-7 7023 D G H



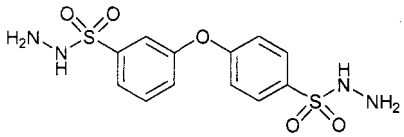
$C_{14}H_{12}O_3$

2-Hydroxy-4-methoxybenzophenone.

4-08-00-02442 (Beilstein Handbook Reference); Advastab 45; AI3-23644; Anuvex; Benzophenone, 2-hydroxy-4-methoxy-; Benzophenone-3; BRN 1913145; CCRIS 1078; Chimassorb 90; Cyasorb® UV 9; Cyasorb UV 9 Light Absorber; DuraScreen; EINECS 205-031-5; Escalol 567; HMBP; HSDB 4503; Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-; MOB; MOD; Neo Heliopan® BB; NCI-C60957; NSC-7778; Ongrostab HMB; Oxibenzona; Oxibenzonum; Oxybenzon; Oxybenzone; Oxybenzonum; PreSun 15; PreSun 46; Rhodialux A; Solaquin; Spectra-sorb UV 9; Sunscreen UV-15; Syntase 62; UF 3; USAF CY-9; UV 9; Uvinul® 9; Uvinul® M-40; Uvistat 24. UV absorber; similar to Uvinul 400 except for higher solubility in aromatic solvents; good weather resistance in resins and plastics; stabilizes PVC and polyesters against UV-light degradation; used in NC lacquers, varnishes, and oil-based paints. Light stabilizer and UV absorber for plastics and coatings; especially for flexible and rigid PVC, unsaturated polyesters, and acrylics; used in outdoor sheeting and glazing applications, molded products, adhesives. UV-A and UV-B broad spectrum absorber for sunscreen formulations. mp = 65.5°; bp_5 = 150-160°; λ_m = 326 nm (ε = 9772, EtOH), 242, 284, 324 nm (ε = 10233, 15136, 10233, MeOH); insoluble in H_2O (<0.1 g/100 ml), soluble in CCl_4; LD_{50} (rat orl) > 12800 mg/kg. *Am. Cyanamid; BASF Corp.; Carrington Labs Inc.; Haarmann & Reimer GmbH; ICN Pharm. Inc.; Rhône-Poulenc; Schwarz Pharma Kremers Urban Co.; Westwood-Squibb Pharm. Inc.*

2832 Oxybisbenzenesulfonic acid dihydrazide

80-51-3 H



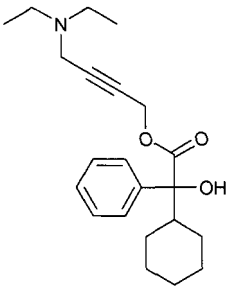
$C_{12}H_{14}N_4O_5S_2$

4,4'-Oxybisbenzenesulfonic acid dihydrazide.

4-11-00-00597 (Beilstein Handbook Reference); Benzenesulfonic acid, 4,4'-oxybis-, dihydrazide; Benzenesulfonic acid, oxybis-, dihydrazide; BRN 2954604; Cellmic S; Celmike S; Celogen; Celogen OT; Cenitron OB; Diphenyl ether 4,4'-disulfohydrazide; Diphenyloxide-4,4'-disulfohydrazide; EINECS 201-286-1; Genitron ob; HSDB 5237; NSC 5318; OBSH; Oxybis(benzenesulfonylhydrazide); Oxybisbenzene-sulf-onic acid dihydrazide; Serogen; Zhenitron OV. A low-temperature sulfonylhydrazide used in low process temperature plastics, such as LDPE, EVA, and soft vinyl compounds. It decomposes at 320°F (160°C). Blowing agent for sponge rubber and expanded plastics (LDPE wire/cable, structural foam injection moldings, and rotational casting, flexible PVC structural foam injection molding). Dec 160°. *Purecha Group; Uniroyal.*

2833 Oxybutynin

5633-20-5 7024 D



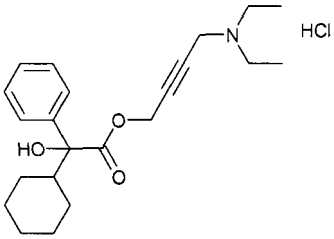
$C_{22}H_{31}NO_3$

4-(Diethylamino)-2-butynyl α-phenylcyclohexaneglycol-ate.

Benzeneacetic acid, α-cyclohexyl-α-hydroxy-, 4-(diethyl-amino)-2-butynyl ester; CCRIS 1923; Cyclohexane-glycolic acid, α-phenyl-, 4-(diethylamino)-2-butynyl ester; 4-Diethylamino-2-butynyl α-phenylcyclohexaneglycol-ate; 4-Diethylamino-2-butinyl α-cyclohexylmandelat; HSDB 3270; Oxibutinina; Oxibutyninum; Oxybutynin; Oxybutynine; Oxybutyninum; Oxytrol. Anticholinergic. Solid; soluble in H_2O (7 g/100 ml pH 1, 0.08 g/100 ml pH 6, 0.0012 g/100 ml pH 9.6). *Hoechst AG (USA).*

2834 Oxybutynin Chloride

1508-65-2 7024 D



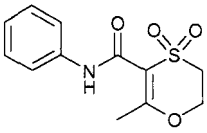
$C_{22}H_{32}ClNO_3$

4-(Diethylamino)-2-butynyl α-phenylcyclohexaneglycol-ate hydrochloride.

5058; Cystrin; Ditropan; Dridase; EINECS 216-139-7; MJ-4309-1; Oxibutinina hydrochloride; Oxybutynin chloride; Oxybutynin hydrochloride; Pollakisu; Tropax. Anti-cholinergic. Crystals; mp = 129-130°; LD_{50} (rat orl) = 1220 mg/kg. *Hoechst AG (USA).*

2835 Oxycarboxin

5259-88-1 G P



$C_{12}H_{13}NO_4S$

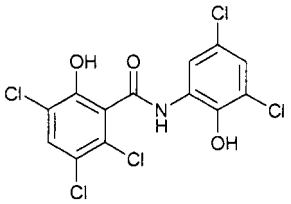
5,6-Dihydro-2-methyl-N-phenyl-1,4-Oxathiin-3-carbox-amide 4,4-dioxide.

BRN 1432554; Carboxin sulfone; Caswell No. 627A; Dcmod; 2,3-Dihydro-5-carboxanilido-6-methyl-1,4-oxa-thiin, 4,4-dioxide; 2,3-Dihydro-6-methyl-5-phenylcarb-amoyl-1,4-oxathiin 4,4-dioxide; 5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide; 5,6-Dihydro-2-methyl-3-carboxanilido-1,4-oxathiin-4,4-di-oxid; 5,6-Dihydro-2-methyl-1,4-oxathiin-3-carboxanilide 4,4-dioxide; Dioxide of vitavax; EINECS 226-066-2; EPA Pesticide Chemical Code 090202; F 461; F 461 (Pesticide); HSDB 1747; Methyl-6 phenylcarbamoyl-5 dihydro-2,3 oxathiine-1,4-dioxyde-4,4; NSC 232673; 1,4-Oxathiin,

2,3-dihydro-5-carboxanilido-6-methyl-, 4,4-di-oxide; 1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-meth-yl-N-phenyl-, 4,4-dioxide; 1,4-Oxathiin-3-carboxanilide, 5,6-dihydro-2-methyl-, 4,4-dioxide; Oxicarboxin; Oxy-carboxin; Oxycarboxine; Plant wax; Plantvax; Plantvax 20; Ringmaster; Vitavax sulfone; Vitavex. A systemic fungicide with curative action. Used for the control of rust diseases in ornamentals, nursery trees, wheat and fairy rings in grass. Registered by EPA as a fungicide. Colorless crystals; mp = 127-130°; soluble in H_2O (0.1 g/100 ml), DMSO (246 g/100 ml), Me_2CO (28.4 g/100 ml), MeOH (5.6 g/100 ml), C_6H_6 (3.0 g/100 ml), EtOH (2.4 g/100 ml); LD_{50} (rat orl) = 2000 mg/kg, (rbt der) > 16000 mg/kg; LC_{50} (mallard duck 8 day dietary) > 4640 mg/kg diet, (bobwhite quail dietary) > 10000 mg/kg diet; (rainbow trout 96 hr.) = 19.9 mg/l, (bluegill sunfish 96 hr.) = 28.1 mg/l; non-toxic to bees. *Crompton Corp.; Fargro Ltd.; ICI Agrochemicals; Rhône-Poulenc Environmental Prods. Ltd; Rhône-Poulenc; Uniroyal.*

2836 Oxyclozanide

2277-92-1 7027 G V



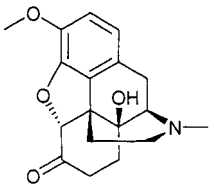
$C_{13}H_6Cl_5NO_3$

2,3,5-trichloro-N-(3,5-dichloro-2-hydroxyphenyl)-6-hydroxybenzamide.

Benzamide, 2,3,5-trichloro-N-(3,5-dichloro-2-hydroxy-phenyl)-6-hydroxy-; Benzanilide, 2,2'-dihydroxy-3,3',5,5',6-pentachloro-; BRN 2014120; CCRIS 5744; 2,2'-Dihydroxy-3,3',5,5',6-pentachlorobenzanilide; Diplin; EINECS 218-904-0; ICI 46638; Oxiclozanida; Oxiclozanidum; Oxyclozanid; Oxyclozanide; Oxyclozanidum; 3,5,6,3',5'-Pentachloro-2,2'-dihydroxybenz-anilide; 3,3',5,5',6-Pentachloro-2'-hydroxysalicylaniilide; Salicylaniilide, 3,3',5,5',6-pentachloro-2'-hydroxy-; 2,3,5-Trichloro-N-(3,5-dichloro-2-hydroxyphenyl)-6-hydroxy-benzamide; Zanil; Zanilox. A vetrinary anthelmintic (Trematodes). Used in combination with Haloxon. Solid; mp = 209-211°.

2837 Oxycodone

76-42-6 7028 D



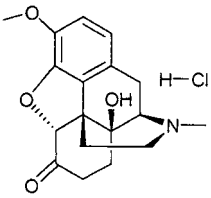
$C_{18}H_{21}NO_4$

4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one.

4-27-00-03681 (Beilstein Handbook Reference); BRN 0043446; DEA No. 9143; Dihydrohydroxycodeinone; Dihydrone; Dihydroxycodeinone; Diphydrone; EINECS 200-960-2; Endine; Endone; Eubine; Eucodalum; HSDB 3142; NSC-19043; Ossicodone; Oxanest; Oxicodona; Oxicon; Oxycodeinone; Oxycodon; Oxycodone; Oxy-codonum; Pancodone retard; Percobarb; Percocet; Percodan; Prodalone [as pectinate]; Roxicet; Roxicodone; Supendol; Tylox. Analgesic, narcotic. Federally controlled substance (opiate). mp = 218-220°; insoluble in H_2O, Et_2O, base; soluble in alcohol, $CHCl_3$; [tautomeric form]: mp = 219-220°; tautomeric form is more soluble in alcohol than other form. *DuPont-Merck Pharm.*

2838 Oxycodone Hydrochloride

124-90-3 7028 D



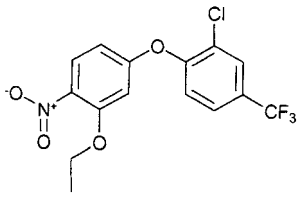
$C_{18}H_{22}ClNO_4$

4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one hydrochloride.

Dihydrone hydrochloride; Dihydrooxycodeinone hydro-chloride; Dihydroxycodeinone hydrochloride; Dinarkon; EINECS 204-717-1; Eubine; Eukodal; Eutagen; Oxikon; Oxycodon hydrochloride; Oxycon; Oxycontin; Oxygesic; Oxykodal; Oxykon; Pancodine; Percocet; Percodan; Percodan Demi; Percodan hydrochloride; Stupenone; Tecodin; Tecodine; Tekodin; Thecodin; Thecodine; Thecodinum; Thekodin; Tylox.; component of: Percodan. Analgesic, narcotic. Federally controlled substance (opiate). Dec 270-272°; $[\alpha]_D^{30}$= -125° (c = 2.5); soluble in H_2O (10 g/100 ml); slightly soluble in alcohol. *DuPont-Merck Pharm.*

2839 Oxyfluorfen

42874-03-3 7032 P



$C_{15}H_{11}ClF_3NO_4$

2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)-benzene.

Benzene, 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)-; Boxer (Obs.); BRN 2065259; Caswell No. 188AAA; 2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene; 2-Chloro-4-trifluoromethyl 3'-ethoxy-4'-nitrodiphenyl ether; 2-Chloro-α,α,α-trifluoro-p-tolyl-3-ethoxy-4-nitrophenyl ether; EINECS 255-983-0; EPA Pesticide Chemical Code 111601; Ether, 2-chloro-α,α,α-trifluoro-p-tolyl 3-ethoxy-4-nitrophenyl; Goal; Goal 1.6E; Goldate; Hada F; Koltar; Oxyfluorfen; Oxyfluorfene; Oxyfluorofen; Oxygold; RH-2915; RH 32915; RH 915; Zoomer. Registered by EPA as a herbicide. Orange crystals; mp ◘ 83 - 84°; bp = 358°; almost insoluble in H_2O (0.00001 g/100 ml), soluble in Me_2CO (5.7 g/100 ml), cyclohexanone (5.8 g/100 ml), isophorone (5.7 g/100 ml), DMF (> 4.7 g/100 ml), $CHCl_3$ (7.4 - 8.1 g/100 ml), mesityl oxide (3.4 - 4.3 g/100 ml); LD_{50} (mrat orl) > 5000 mg/kg, (rat. dog orl) > 5000 mg/kg, (rbt der) > 10000 mg/kg, (mallard orl) > 4000 mg/kg, (bobwhite quail orl) > 4000 mg/kg; LC_{50} (bluegill sunfish, trout 96 hr.) < 1 mg/l; non-toxic to bees at 0.025 mg/bee. *Dow AgroSciences; Monsanto Co.; Rohm & Haas Co.; Scotts Co.*

2840 Oxygen

7782-44-7 7033 G

O=O

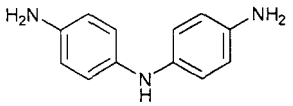
O_2

Oxygen.

CCRIS 1228; EINECS 231-956-9; HSDB 5054; Hyperoxia; Liquid oxygen; LOX; Molecular oxygen; Oxigeno; Oxygen; Oxygen (liquid); Oxygen-16; Oxygene; Oxygenium; Oxygenium medicinale; Pure oxygen; Sauerstoff; UN1072; UN1073. Gaseous element; used in copper smelting, steel production; in manufacture of ammonia, methyl alcohol, acetylene; oxidizer for rocket propellants; resuscitation, heart stimulant; decompression chambers; spacecraft; chemical intermediate; in oxidation of municipal and industrial wastes. Colorless, odorless gas; mp = -218°; bp = -183°; d^0 (gas) = 1.429 g/l. *Air Products & Chemicals Inc.; Norsk Hydro AS; Showa Denko.*

2841 Oxynone

537-65-5 2999 G



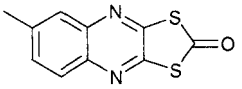
$C_{12}H_{13}N_3$

1,4-Benzenediamine, N-(4-aminophenyl)-.

AI3-12116; N-(4-Aminophenyl)-1,4-benzenediamine; Aniline, 4,4'-iminodi-; Benzenamine, 4,4'-iminobis-; 1,4-Benzenediamine, N-(4-aminophenyl)-; Bis(p-amino-phenyl)amine; CI 76120; 4,4'-Diaminodiphenylamine; p,p'-Diaminodiphenylamine; Di(p-aminophenyl)amine; Diazol Black C; Diphenylamine, 4,4'-diamino-; EINECS 208-673-4; 4,4'-Iminodianiline; Indamine; NSC 33417; p-Phenylenediamine, N-(p-aminophenyl)-. A proprietary trade name for a rubber antioxidant. Also used to dye fur and to detect hydrogen cyanide. Leaflets; mp = 158°; bp dec; very soluble in EtOH, Et_2O.

2842 Oxythioquinox

2439-01-2 7048 G P

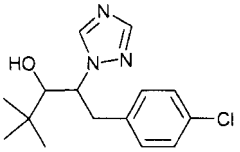


6-Methyl-2,3-quinoxalinedithiol cyclic S,S-dithiocarbon-ate.

Bay 36205; Morestan; Forstan; Quinomethionate. Selective non-systemic contact fungicide and acaricide. Used for control of powdery mildews and spider mites on fruits, ornamentals, curcubits, coffee and tea and various other crops. Registered by EPA as a fungicide and insecticide (cancelled). *Bayer Corp.*

2843 Paclobutrazol

76738-62-0 7053 G P



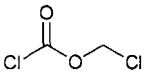
$C_{15}H_{20}ClN_3O$

(R*,R*)-(±)-β-[(4-Chlorophenyl)methyl]-α-(1,1-dimethyl-ethyl-1H-1,2,4-triazole-1-ethanol.

(2RS,3RS)-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol; (±)-R*,R*-β-((4-chlorophenyl)-methyl)- α-(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol; ((R*,R*)-(±)- β-((4-chlorophenyl)methyl)- α-(1,1-dimethyl-ethyl)-1H-1,2,4-triazole-1-ethanol Clipper; (R*,R*)-(±)- β-((4-Chlorophenyl)methyl)- α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol; α-t-Butyl-β((4-chlorophenyl)methyl)-1H-triazol-1-ethanol; β-((4-Chlorophenyl)methyl)- α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol; Bonsai; Bonzi; Caswell No. 628C; Cultar; Duo Xiao Zuo; EINECS 266-325-7; EPA Pesticide Chemical Code 125601; Friazole; ICI-PP 333; Paclobutrazol; Parlay; PP 333; 1H-1,2,4-Triazole-1-ethanol, β-((4-chlorophenyl)methyl)- α-(1,1-dimethyl-ethyl)-, (R*,R*)-(±)- Trimmit; R*,R*)-(±)- 1H-1,2,4-Triazole-1-ethanol, β-((4-chlorophenyl)methyl)-α-(1,1-dimethylethyl)-; Trimmit. Plant growth regulator, gibberellin biosynthesis inhibitor. Used on fruit trees, flowers, turf and rice. Registered by EPA as a herbicide. Crystals; mp = 165°; d = 1.22; soluble in H_2O (35 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 2000 mg/kg. *ICI Chem. & Polymers Ltd.; Syngenta Crop Protection; Syngenta Professional Prod.; Uniroyal.*

2844 Palite

22128-62-7 G



$C_2H_2Cl_2O_2$

Chloromethyl chloroformate.

Carbonochloridic acid, chloromethyl ester; Chloromethyl chloroformate; EINECS 244-793-3; UN2745. A military poison gas.

2845 Palladium chloride

7647-10-1 7058 G

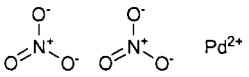
Cl_2Pd

Palladium(II) chloride.

CCRIS 6263; Dichloropalladium; EINECS 231-596-2; Enplate activator 440; HSDB 4362; NCI-C60184; NSC 146183; Palladium chloride; Palladium chloride ($PdCl_2$); Palladium dichloride; Palladium(2+) chloride; Palladium(II) chloride; Palladous chloride. Analytical chemistry, electrodeless coatings for metals, photography, leak detection in gas lines, indelible inks, catalyst. Solid; mp = 678-680°; soluble in H_2O, EtOH, Me_2CO; MLD (rbt iv) = 18.6 mg/kg. *Atomergic Chemetals; Dajac Labs.; Degussa AG; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

2846 Palladium nitrate

10102-05-3 7060 G



N_2O_6Pd

Palladium(II) nitrate.

EINECS 233-265-8; Hydrogen tetranitropalladate (II); Nitric acid, palladium(2+) salt; Palladium dinitrate; Palladium nitrate. Analytical reagent, used to separate Cl_2 and I_2, catalyst. Brown crystals; poorly soluble in H_2O. *Atomergic Chemetals; Degussa AG.*

2847 Palladium oxide

1314-08-5 7061 G

OPd

Palladium(II) monoxide.

EINECS 215-218-3; Palladium monoxide; Palladium oxide; Palladium oxide (PdO). Reduction and hydrogenation catalyst in organic synthesis. Black powder; d = 8.3; insoluble in H_2O.

Atomergic Chemetals; Degussa AG.

2848 Palm kernel oil

8023-79-8 7066 H

Palm kernel oil.
EINECS 232-425-4; HSDB 1977; Oils, glyceridic, palm kernel; Oils, palm kernel; Palm kernel oil; Palm kernel oil, fatty acid; Palm kernel oil [Oil, edible]; Palm nut oil; Palm oil (from seed). Used in the manufacture of soap, has been used in oliniments and ointments. Yellow-white oil; mp = 26-30°; d = 0.952.

2849 Palm Oil

8002-75-3 7065 H

Palm Oil.
CCRIS 7935; EINECS 232-316-1; HSDB 2188; Oils, palm; Palm acidulated soapstock; Palm butter; Palm oil; Palm oil (from fruit); Palm oil [Oil, edible]. Yellow-white oil; mp = 26-30°; d = 0.952.

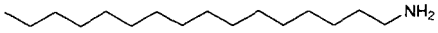
2850 Palm oil fatty acids, sodium salts

61790-79-2 H

Fatty acids, palm-oil, sodium salts.
EINECS 263-162-3; Fatty acids, palm-oil, sodium salts; Fatty acids, palm-oil, sodium salts.

2851 Palmitamine

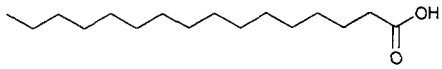
143-27-1 G H



$C_{16}H_{35}N$
n-Hexadecylamine.
4-04-00-00818 (Beilstein Handbook Reference); AI3-16867; Alamine 6; Alamine 6D; 1-Amine 16D; Aminohexadecane; Armeen® 16D; BRN 1634065; CCRIS 4654; Cetylamin; Cetylamine; n-Cetylamine; Crodamine 1.16D; EINECS 205-596-8; Hetaflur hexadecylamine; Hexadecylamine; 1-Hexadecylamine; n-Hexadecylamine; Kemamine® P-880D; Nissan amine PB; NSC 8489; Palmitamine; Palmitylamine. Emulsifier; chemical intermediate; end products such as quaternary ammonium compounds used as bactericides and in shampoo formulations. Emulsifier for herbicides, ore flotation, pigment dispersion; auxiliary for textiles, leather, rubber, plastic, and metal industries. Leaflets; mp = 46.8°; bp = 322.5°; d^{20} = 0.8129; insoluble in H_2O; soluble in $CHCl_3$, Me_2CO, very soluble in EtOH, Et_2O, C_6H_6. *Akzo Chemie; Croda; Witco/Humko.*

2852 Palmitic acid

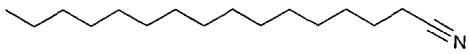
57-10-3 7064 G H



$C_{16}H_{32}O_2$
n-Hexadecanoic acid.
4-02-00-01157 (Beilstein Handbook Reference); AI3-01594; BRN 0607489; C_{16} fatty acid; Cetylic acid; EINECS 200-312-9; Emersol 140; Emersol 143; FEMA No. 2832; Hexadecanoic acid; n-Hexadecanoic acid; n-Hexadecoic acid; Hexadecylic acid; HSDB 5001; Hydrofol; Hystrene 8016; Hystrene 9016; Industrene 4516; NSC 5030; Palmitate; Palmitic acid; Pentadecanecarboxylic acid; 1-Pentadecanecarboxylic acid. A saturated fatty acid, used in the manufacture of metallic palmitates, soaps, lube oils, waterproofing, food-grade additives. A detergent intermediate; opacifier in cosmetics, soaps, emulsifiers, chemical specialties. White scales; mp = 63-64°; bp_{15} = 215°; d_4^{62} = 0.853; n_D^{20} = 1.4273; insoluble in H_2O, soluble in organic solvents; LD_{50} (mus iv) = 57 mg/kg. *Akzo Nobel Chemicals Inc; Ashland; Henkel/Emery; Lancaster Synthesis Ltd.; Lonza Ltd.; Sigma-Aldrich Fine Chem.; Unichema; UOP; Witco/Humko.*

2853 Palmitonitrile

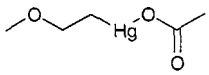
629-79-8 H



$C_{16}H_{31}N$
Hexadecanenitrile.
AI3-11234; 1-Cyanopentadecane; EINECS 211-110-5; Hexadecanenitrile; NSC 2137; Palmitic acid, nitrile; Palmitonitrile. Solid; mp = 31°; bp = 333°; d^{20} = 0.8303; insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$.

2854 Panogen M

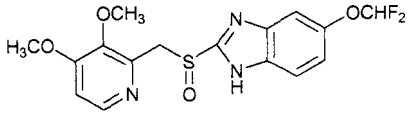
151-38-2 G



$C_5H_{10}HgO_3$
2-Methoxyethylmercury acetate.
(Acetato-O)(2-methoxyethyl)mercury; Acetato(2-methoxyethyl)mercury; Ba 2743; Caswell No. 551B; Cekusil universal A; EINECS 205-790-2; EPA Pesticide Chemical Code 041508; HSDB 6387; Landisan; Mema; Mema RM; Mercuran; Mercury, (acetato-O)(2-methoxyethyl)-; Mercury, acetoxy(2-methoxyethyl)-; Merkuran; Methoxy-ethyl mercuric acetate; Methoxyethylmercuric acetate; Methoxyethylmercury acetate; (2-Methoxyethyl)mercury acetate; 2-Methoxyethylmercury acetate; 2-Methoxy-ethylmerkuriacetat; NSC 202875; Panogen; Panogen M; Panogen Metox; Radosan. Cereal seed treatment. Formulated as aqueous solutions or dusts and used chiefly as a seed protectant. Use of alkyl mercury fungicides in the United States has been virtually prohibited for several years. Phenyl mercuric acetate is still used to control diseases of turf, but other applications have been sharply restricted. *Embetec Crop Protection Ltd.*

2855 Pantoprazole

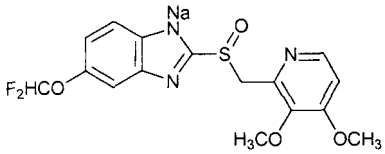
102625-70-7 7084 D



$C_{16}H_{15}F_2N_3O_4S$
5-(Difluoromethoxy)-2-[[(3,4-dimethoxy-2-pyridyl)methyl]sulfinyl]benzimidazole.
BY 1023; Pantoprazol; Pantoprazole; Pantoprazolum; SK&F 96022. Gastric proton pump inhibitor. Antiulcerative. Crystals; mp = 139-140° (dec); [sodium salt]: mp >130° (dec); λ_m = 289 (ε 16400). *Byk Gulden Lomberg GmbH; SmithKline Beecham Pharm.*

2856 Pantoprazole sodium salt

138786-67-1 7084 D



$C_{16}H_{14}F_2N_3NaO_3S$

5-(Difluoromethoxy)-2-[[(3,4-dimethoxy-2-pyridyl)methyl]sulfinyl]benzimidazole sodium salt.

Controloc; Pantoloc; Pantoprazole sodium; Protonix; Protonix I.V. Gastric proton pump inhibitor. Used as an antiulcerative. Crystals; mp > 130° (dec); λ_m 289 nm (ε 16400 MeOH). *Byk Gulden Lomberg GmbH; SmithKline Beecham Pharm.*

2857 Paraffin

8002-74-2 G H

Paraffin wax.

905 (mineral hydrocarbons); Cream E45; Derma-Oil; Duratears; Fischer-Tropsch wax; Granugen; Hard wax; Koster Keunen Paraffin Wax; Parachoc; Paraffin wax (petroleum); Paraffin wax fume; Paraffin Wax; Paraffin Wax, granular; Paraffin waxes; Paraffinum durum; Paraffinum solidum; Poly(methylene)wax; Replens; Wax extract.; petroleum wax; crystalline; Hydrocarbon. Solid mixture of hydrocarbons obtained from petroleum; characterized by relatively large crystals; Candles, paper coating, protective sealant for food products; lubricants; hot-melt carpet backing, floor polishes, cosmetics, chewing gum base; raising melting points of ointments. Ointment base and stiffening agent. FDA, FEMA GRAS, Canada, Japan approved, FDA approved for implants, orals, topicals, USP/NF, BP compliance. In the FDA list of inactive ingredients, (oral capsules and tablets, topical emulsions and ointments). Used as a stiffening agent, tablet coating agent, used in implants, orals, topicals, ointments. White solid; mp = 50-57°; d = 0.9; insoluble in H_2O, EtOH, soluble in C_6H_6, $CHCl_3$, Et_2O, CS_2, oils. Non-toxic. *Astor Wax; Condea Vista Co.; EM Ind. Inc.; ExxonMobil L&PS; Humphrey; Ibrahim N. I.; IGI; Jonk BV; Koster Keunen; Mobil; N. Am. Philips; N.V. Philips; Penreco; Ross Frank B.; Ruger; Shell; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Stevenson Cooper; Texaco.*

2858 Paraformaldehyde

110-88-3 9804 H

$C_3H_6O_3$

1,3,5-Trioxane.

AI3-01363; Aldeform; CCRIS 4732; EINECS 203-812-5; Formagene; Formaldehyde, trimer; HSDB 3416; Marvosan; Metaformaldehyde; NSC 26347; Para-formaldehyde; Polymerized formaldehyde; Polyoxy-methylene; Triformol; Triossimetilene; 1,3,5-Trioxa-cyclohexane; Trioxan; 1,3,5-Trioxan; Trioxane; s-Tri-oxane; 1,3,5-Trioxane; Trioxin; Trioxymethyleen; Trioxy-methylen; Trioxymethylene; s-Trixane. Needles; mp = 60.2°; bp = 114.5°; d^{65} = 1.17; very soluble in H_2O, soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$, CCl_4, CS_2, insoluble in petroleum ether.

2859 Paraformaldehyde

30525-89-4 7096 G P

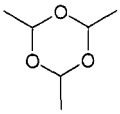
$HO(CH_2O)_nH$

Para-formaldehyde.

Aldacide; Caswell No. 633; EPA Pesticide Chemical Code 043002; Flo-Mor; Formagene; Formaldehyde polymer; HSDB 4070; Oilstop, Halowax; Paraform; Paraform; Paraformaldehyde; Paraformaldehydum; Paraformic aldehyde; Poly(oxymethylene); Polyformaldehyde; Polymerised formaldehyde; Polyoxymethylene; Polyoxymethylene glycol; UN2213. A polymer of formaldehyde in which n = 8-100; used in fungicides, bactericides, disinfectants, adhesives, hardener and waterproofing agent for gelatin contraceptive creams. Registered by EPA as an antimicrobial and fungicide. Solid; mp = 132-136°; slowly soluble in H_2O, insoluble in EtOH, Et_2O. *Degussa-Hüls AG; Hoechst Celanese; Mitsubishi Gas; Mitsui Toatsu.*

2860 Paraldehyde

123-63-7 7098 D G



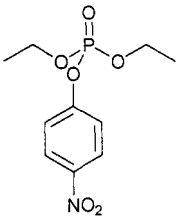
$C_6H_{12}O_3$

2,4,6-trimethyl-1,3,5-trioxane.

5-19-09-00112 (Beilstein Handbook Reference); Acetaldehyde, trimer; p-Acetaldehyde; AI3-03115; BRN 0080142; DEA No. 2585; EINECS 204-639-8; Elaldehyde; HSDB 3375; NSC 9799; Paracetaldehyde; Paral; Paraldehyd; Paraldehyde; Paraldehyde Draught (BPC 1973); Paraldehyde Enema (BPC 1973); Paraldeide; RCRA waste number U182; 1,3,5-Trimethyl-2,4,6-trioxane; 2,4,6-Trimethyl-1,3,5-trioxane; 2,4,6-Trimethyl-1,3,5-trioxacyclohexane; 2,4,6-Trimethyl-1,3,5-trioxaan; 2,4,6-Trimethyl-s-trioxane; 2,4,6-Trimetil-1,3,5-triossano; s-Trimethyltrioxymethylene; 1,3,5-Trioxane, 2,4,6-trimethyl-; s-Trioxane, 2,4,6-trimethyl-; Triacetaldehyde; UN1264. Polymer of acetaldehyde. Use in the manufacture of organic chemicals and also as a sedative and hypnotic. Liquid; mp = 12.6°; bp = 124.3°; d^{20} = 0.9943; slightly soluble in H_2O, freely soluble in EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 1650 mg/kg. *Forest Pharm. Inc.; Phillips 66.*

2861 Paraoxon

311-45-5 7012 G



$C_{10}H_{14}NO_6P$

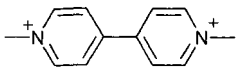
Phosphoric acid diethyl 4-nitrophenyl ester.

4-06-00-01327 (Beilstein Handbook Reference); AI3-16087; BRN 1915526; CCRIS 7780; Chinorta; Chinorto; Diaethyl-p-nitrophenylphosphorsaeureester; Diäthyl-p-nitrophenylphosphorsäureester; Diethyl 4-nitrophenyl phosphate; Diethyl-p-nitrofenyl ester kyseliny fosforecne; Diethyl p-nitrophenyl phosphate; Diethyl paraoxon; Diethylparaoxon; E 600; E 600 (pesticide); EINECS 206-221-0; ENT 16,087; Ester 25; Ethyl p-nitrophenyl ethylphosphate; Ethyl paraoxan; Eticol; Fosfakol; HC 2072; HSDB 6044; Mintaco; Mintacol; Mintisal; Miotisal; Miotisal A; NSC 404110; O,O-Dietyl-O-p-nitrofenyl-fosfat; O,O-Diethyl O-p-nitrophenyl phosphate; O,O'Diaethyl-p-nitrophenylphosphat; O,O-Diethyl phos-phoric acid O-p-nitrophenyl ester; Oxyparathion; p-Nitrophenyl diethyl phosphate; Paraoxon; Paraoxone; Paroxan; Pestox 101; Phenol, p-nitro-, ester with diethyl phosphate; Phosphachole; Phosphacol; Phosphakol; Phosphonothioic acid, diethylparanitrophenyl ester; Phosphoric acid, diethyl p-nitrophenyl

ester; Phosphoric acid, diethyl 4-nitrophenyl ester; RCRA waste number P041; Soluglacit; Soluglaucit; TS 219. Cholinesterase inhibitor. Has been used as an insecticide. Oil; $bp_{1.0}$ ■ 169-170°; d^{25}_{4} = 1.2683; λ_m = 264 nm (ε 8900); soluble in H_2O (0.24 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 1.8 mg/kg.

2862 Paraquat

4685-14-7 7103 G H P



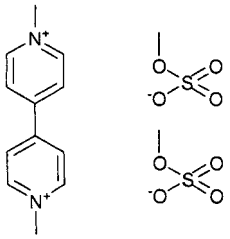
$C_{12}H_{14}N_2$

1,1'-Dimethyl-4,4'-bipyridinium.

4,4'-Bipyridinium, 1,1'-dimethyl-; CCRIS 7731; Dextrone; Dextrone X; 1,1'-Dimethyl-4,4'-bipyridinium; 1,1'-Dimethyl-4,4'-bipyridinium cation; 1,1'-Dimethyl-4,4'-bipyridinium salt; 1,1'-Dimethyl-4,4'-bipyridyldiylium; N,N'-Dimethyl-4,4'-bipyridinium dication; N,N'-Dimethyl-4,4'-bipyridinium; N,N'-Dimethyl-γ,γ'-dipyr-idylium; N,N'-Dimethyl-gamma,gamma'-dipyridylium; Dimethyl viologen; EINECS 225-141-7; HSDB 1668; Methyl viologen (2+); Methyl viologen ion(2+); Paraquat; Paraquat dication; Paraquat ion; Spraytop-graze; Starfire; Weedol. Non-selective contact herbicide. [dichloride]; colorless crystals; dec. 300°; d^{20} = 1.25; very soluble in H_2O (70 g/100 ml), slightly soluble in EtOH, MeOH, insoluble in other organic solvents; LD_{50} (rat orl) = 157 mg/kg, (mus orl) = 104 mg/kg, (gpg orl) = 22-42 mg/kg, (dog orl) = 25-50 mg/kg, (cow, sheep orl) = 50-75 mg/kg, (hen orl) = 262-280 mg/kg, (mallard duck orl) = 4048 mg/kg, (Japanese quail orl) = 970 mg/kg; LC_{50} (rainbow trout 96hr.) = 32 mg/l; non-toxic to bees. *Cia-Shen; Comlets; Crystal; ICI Agrochemicals; Pillar; Productos Quimicos y Alimenticios Osku SA; Sanex Agro Inc.; Shinung.*

2863 Paraquat bis(methylsulfate)

2074-50-2 7103 H P



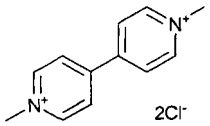
$C_{14}H_{20}N_2O_8S_2$

4,4'-Bipyridinium, 1,1'-dimethyl-, bis(methyl sulfate).

Caswell No. 635; EINECS 218-196-3; EPA Pesticide Chemical Code 061602; Gramoxone methyl sulfate; Paraquat; Paraquat bis(methyl sulfate); Paraquat dimethyl sulfate; Paraquat dimethyl sulphate; Paraquat I; Paraquat methosulfate; Paraquat methylsulfate; PP 910. Registered by EPA as a herbicide (cancelled). Yellow solid; LD_{50} (mrat orl) = 100 mg/kg.

2864 Paraquat dichloride

1910-42-5 7103 H P



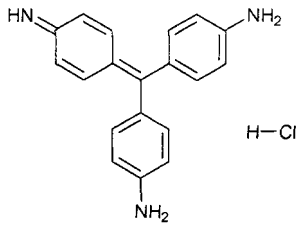
$C_{12}H_{14}Cl_2N_2$

1,1'-Dimethyl-4,4'-bipyridinium dichloride.

AH 501; AI3-61943; Caswell No. 634; Cekuquat; Crisquat; Dextrone; Dextrone-X; Dexuron; Dimethyl viologen chloride; Dwuchlorek 1,1'-dwumetylo-4,4'-dwupirydyniowy; EINECS 217-615-7; EPA Pesticide Chemical Code 061601; Esgram; Galokson; Goldquat 276; Gramixel; Gramoxone; Gramoxone D; Gramoxone dichloride; Gramoxone S; Gramoxone W; Gramuron; Herbaxon; Herboxone; Herboxone; Methyl viologen; Methyl viologen chloride; Methyl viologen dichloride; NSC 88126; NSC 263500; OK 622; Ortho paraquat CL; Parakwat; Paraquat; Paraquat chloride; Paraquat CL; Paraquat dichloride; Pathclear; Pillarquat; Piliarxone; Toxer total; Viologen, methyl-. A pre-emergence bipyridinium herbicide to control weeds in field crops and ornamentals. Registered by EPA as a herbicide. Colorless crystals; mp = 300° (dec); very soluble in H_2O (70 g/100 ml), slightly soluble in MeOH, EtOH, insoluble in most other organic solvents; LD_{50} (rat orl) = 125 mg/kg, 157 mg/kg, (mus orl) = 104 mg/kg, (gpg orl) = 22 - 42 mg/kg, (dog orl) ■ 25 - 50 mg/kg, (cat orl) 40 - 50 mg/kg, (cow, sheep orl) = 50 75 mg/kg, (rbt der) = 236 - 500 mg/kg, (hen orl) = 282 - 380 mg/kg, (mallard duck orl) ■ 4048 mg/kg, (Japanese quail orl) = 960 mg/kg; LC_{50} (rainbow trout 96 hr.) = 32 mg/l; non-toxic to bees. *Ashlade Formulations Ltd.; Cyanamid of Great Britain Ltd.; ICI Agrochemicals; ICI Chem. & Polymers Ltd.; Schering AG; Schering Agrochemicals Ltd.; Syngenta Crop Protection.*

2865 Pararosaniline

569-61-9 G



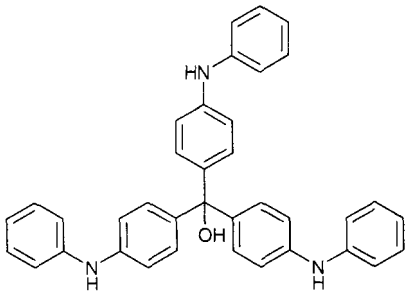
$C_{19}H_{18}ClN_3$

4-((4-Aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl)benzenamine monohydrochloride.

Basic parafuchsine; Basic Red 9; Benzenamine, 4-((4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)-methyl)-, monohydrochloride; C.I. 42500; C.I. Basic Red 9; C.I. Basic Red 9, monohydrochloride; Calcozine magenta N; CCRIS 1350; Cerven zasadita 9; CI 42500; EINECS 209-321-2; p-Fuchsin; Fuchsine DR-001; Fuchsine SP; Fuchsine SPC; HSDB 2952; 4,4'-((4-Imino-2,5-cyclohexadien-1-ylidene)methylene)dianiline mono-hydrochloride; 4,4'-(4-Iminocyclohexa-2,5-dienylidene-methylene)dianiline hydrochloride; NCI-C54739; NSC 10460; Orient Para Magenta Base; Parafuchsin; Parafuchsine; Parafuksin; Pararosaniline chloride; p-Rosaniline hydrochloride; Schultz-tab No. 779; 4-Toluidine, α-(p-aminophenyl)-α-(4-imino-2,5-cyclohexa-dien-1-ylidene)-monohydrochloride; 4,4',4-Triaminotri-phenylmethane hydrochloride; Parafuchsine; Calcozine Magenta N; Pararosaniline Chloride; Basic Red 9; Basic Red 9, monohydrochloride. Dyes wool and silk, purple-red, and cotton with mordants. Red crystals; mp = 268-270; insoluble in H_2O.

2866 Pararosaniline base, N,N',N''-triphenyl-

23681-60-9 H



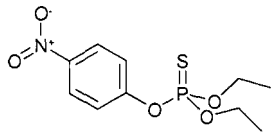
$C_{37}H_{31}N_3O$

4,4',4"-Trianilinotrityl alcohol.

Benzenemethanol, 4-(phenylamino)-α,α-bis(4-(phenylamino)phenyl)-; EINECS 245-822-2; Methanol, tris(p-anilinophenyl)-; Pararosaniline base, N,N',N"-triphenyl-; 4,4',4"-Trianilinotrityl alcohol.

2867 Parathion

56-38-2 7105 H



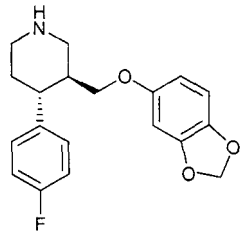
$C_{10}H_{14}NO_5PS$

O,O-Diethyl O-p-nitrophenyl phosphorothioate.

3422; 4-06-00-01337 (Beilstein Handbook Reference); AAT; AATP; AC 3422; ACC 3422; AI3-15108; Alkron; Alleron; American Cyanamid 3422; Aphamite; Aqua 9-Parathion; Aralo; B 404; BAY E-605; Bayer E-605; Bladan; Bladan F; Bladen; BRN 2059093; Caswell No. 637; CCRIS 493; Compound 3422; Corothion; Corthione; Danthion; Diethyl parathion; Dietil tiofosfato de p-nitrofenila; DNTP; Drexel parathion 8E; Durathion; E 605; E 605 F; E 605 forte; Ecatox 20; Ecatox 20; EINECS 200-271-7; Ekatin WF & WF ULV; Ekatox; Ekatox 20; ENT 15,108; EPA Pesticide Chemical Code 057501; EPA Shaughnessy Code: 057701; Ethlon; Ethyl parathion; Ethyl parathion 50 EC; Etilon; Etylparation; Folicial; Folidol; Folidol E; Folidol E; Folidol E & E 605; Folidol E605; Folidol oil; Fosferno; Fosferno 50; Fosfive; Fosova; Fostox; Gearphos; Genithion; HSDB 197; Kolphos; Kypthion; Lethalaire G-54; Lirothion; Murfos; NA1967; NA2783; NCI-C00226; Niran; Niran E-4; Nitrostigmin; Nitrostigmine; Nitrostygmine; NIUIF-100; Nourithion; NSC 8933; Oleofos 20; Oleoparaphene; Oleoparathion; OMS 19; Orthophos; PAC; Pacoi; Panthion; Paradust; Paramar; Paramar 50; Paraphos; Parathene; Parathion; Parathion 8E; Parathion 20 wp; Parathion-äthyl; Parathion-aethyl; Parathion-E; Parathion-ethyl; Parawet; Penncap E; Pestox plus; Pethion; Phoskil; Phosphemol; RB; RCRA waste number P089; Rhodiasol; Rhodiatox; Selephos; Sixty-three special EC insecticide; SNP; Soprathion; Soprothion; Stabilized ethyl parathion; Stathion; Strathion; Sulfos; Sulphos; Super Rodiatox; T-47; Thiofos; Thiomex; Thionspray No.84; Thiophos; Thiophos 3422; Thiophosphate de O,O-diethyle et de O-(4-nitrophenyle); Tiofos; TOX 47; UN 2783; Vapophos; Viran; Vitrex. A powerful insecticide and acaricide. Registered by EPA as an insecticide. Yellow-brown liquid; mp = 6°; bp = 375°, $bp_{0.6}$ = 150°; d_4^{25} = 1.26; insoluble in H_2O (0.0024 g/100 ml), soluble in organic solvents; LD_{50} (rat orl) = 3.6 - 13 mg/kg, (mus orl) = 12 mg/kg, (gpg orl) = 16 - 32 mg/kg, (rat der) = 6.8 mg/kg, (mallard duck orl) = 2 mg/kg, (pheasant orl) = 12.4 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.05 mg/l air, (rainbow trout 96 hr.) = 1.5 mg/l, (golden orfe 96 hr.) = 0.57 mg/l; toxic to bees. *A/S Cheminova; Bayer Corp.; Drexel Chemical Co.*

2868 Paroxetine

61869-08-7 7115 D



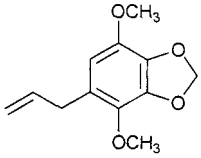
$C_{19}H_{20}FNO_3$

(-)-(3S,4R)-4-[(p-Fluorophenyl)-3-[(3,4-methylenedioxy)-phenoxy]methyl]piperidine.

Aropax; BRL 29060; FG 7051; Paroxetina; Paroxetine; Paroxetinum; Paxil; Paxil CR; Seroxat. Serotonin uptake inhibitor. Antidepressant. [hydrochloride ($C_{19}H_{21}ClFN\ O_3$)]: mp = 118°; [hydrochloride hemihydrate ($C_{19}H_{21}Cl\ FNO_3.0.5H_2O$)]: mp = mp = 129-131°; [maleate]: mp = 136-138°; $[\alpha]_D$ = -87° (c = 5 EtOH); LD_{50} (mus sc) = 845 mg/kg, (mus orl) = 500 mg/k. *Beecham Res. Labs. UK; Ferrosan A/S; SmithKline Beecham Pharm.*

2869 Parsley camphor

523-80-8 741 G



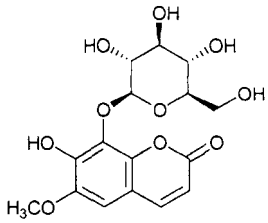
$C_{12}H_{14}O_4$

4,7-dimethoxy-5-(2-propenyl)-1,3-benzodioxole.

5-19-03-00307 (Beilstein Handbook Reference); 1-Allyl-2,5-dimethoxy-3,4-methylenedioxybenzene; 5-Allyl-4,7-dimethoxy-1,3-benzodioxol; 5-Allyl-4,7-dimethoxy-1,3-benzodioxole; AI3-14843; Apiol; Apiole; Apiole (parsley); Apioline; Benzene, 1-allyl-2,5-dimethoxy-3,4-(methyl-enedioxy)-; 1,3-Benzodioxole, 4,7-dimethoxy-5-(2-propenyl)-; BRN 0195747; EINECS 208-349-2; NSC 9070; Parsley apiol; Parsley apiole; Parsley camphor; Petersiliencampher. Is synergistic with insecticides. Needles; mp = 29.5°; bp = 294°, bp_{35} = 179°; insoluble in H_2O, very soluble in C_6H_6, EtOH, Me_2CO, ligroin.

2870 Pavlin

524-30-1 4289 G



$C_{16}H_{18}O_{10}$

8-(-D-glucopyranosyloxy)-7-hydroxy-6-methoxy-2H-1-benzopyran-2-one.

2H-1-Benzopyran-2-one, 8-(β-D-glucopyranosyloxy)-7-hydroxy-6-methoxy-; EINECS 208-355-5; Fraxin; 8-(β-D-Glucopyranosyloxy)-7-

hydroxy-6-methoxy-2H-1-benzo-pyran-2-one. A substance which occurs in the bark of the common ash. Yellow needles; mp ▪ 205°; sparingly soluble in H_2O, soluble in EtOH, insoluble in Et_2O.

2871 Peanut oil

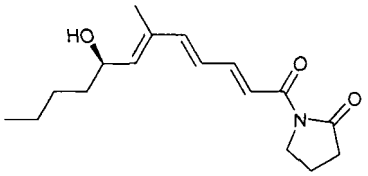
8002-03-7 7132 E H

Oil of peanut.

Arachis oil; Calchem IVO-112®; Earthnut oil; Groundnut oil; Katchung oil; Lipex 101®; Nut oil; Peanut oil; Pecan shell powder; Solvent crude peanut oil; Super Refined® Peanut Oil.; Oleaginous vehicle and solvent. FDA GRAS, FDA approved for injectables, orals, vaginals, USP/NF, BP compliance. In the FDA list of inactive ingredients, (im injections, topicals, oral capsules and vaginal emulsions). Used as a solvent for ointments, liniments, oleaginous vehicle for medicine, nutritive emulsions, softener for ear wax, enemas, in emollient creams, gall bladder evacuant; used in injectables, orals, vaginals and sunburn preparations. Yellow liquid; mp = -5°; d ▪ 0.916 - 0.922; insoluble in H_2O, soluble in C_6H_6, EtOH, Et_2O, $CHCl_3$; viscosity at 37° = 35.2 mPa. Non-toxic. Possibly tumorigenic and mutagenic. *Abitec Corp.; Arista Ind.; Black S.; Bunge Foods; C&T Refinery; CanAmera Foods; Cargill; Charkit; Croda; Daniel H. E.; Flavors of N. America; Gittens Edwd.; MLG Enterprises; Penta Mfg.; Ruger; SKW Chem.; Spectrum Chem. Manufacturing; Tri-K Ind.; Vamo-Fuji Specialties; Van Den Bergh.*

2872 Pecilocin

19504-77-9 7134 D G



$C_{17}H_{25}NO_3$

[R-(E,E,E)]-1-(8-Hydroxy-6-methyl-1-oxo-2,4,6-dodeca-trienyl)-2-pyrrolidone.

EINECS 243-116-9; Leofungine; NSC 291839; Pecilocin; Pecilocina; Pecilocine; Pecilocinum; Supral; Variotin. Antifungal antibiotic obtained from cultures of *Paecyllomyces varioti Banier var. antibioticus*. Used in the treatment of fungal skin infections. Oil; $[\alpha]_D^{28}$ = -5.68° (MeOH); freely soluble in MeOH, EtOH, Me_2CO, EtOAc, C_6H_6, Et_2O, $CHCl_3$, C_5H_5N, dioxane, AcOH, slightly soluble in H_2O, petroleum ether; λ_m = 318, 324 nm ($E^{1\%}_{1cm}$ 1198 MeOH); [monohydrate]: mp = 41.5-42.5°; λ_m ▪ 320 nm (ε 46000). *LeoAB; Nippon Kayaku Co. Ltd.*

2873 PEG-8 dioleate

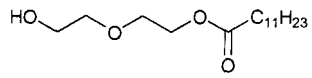
9005-07-6 E H

POE (8) dioleate.

Glycols, polyethylene, dioleate; 9-Octadecenoic acid, oxybis(2,1-ethanediyloxy-2,1-ethanediyl)ester; Oleic acid, diester with polyethylene glycol; α-(1-Oxo-9-octadecenyl)-ω-((1-oxo-9-octadecencyl)oxy)poly(oxy-1,2-ethanediyl), (Z,Z)-; PEG Dioleate; PEG-4 Dioleate; PEG-8 Dioleate; PEG-20 Dioleate; Poly(oxy-1,2-ethanediyl), α-(1-oxo-9-octadecenyl)-ω-((1-oxo-9-octadecenyl)oxy)-, (Z,Z)-; Poly(oxy-1,2-ethanediyl), α-((9Z)-1-oxo-9-octadec-enyl)-ω-(((9Z)-1-oxo-9-octadecenyl)oxy)-; Polyethylene glycol dioleate; Polyethylene glycol 200 dioleate; Polyethylene glycol 400 dioleate; Polyethylene glycol 1000 dioleate; Polyoxyethylene (4) dioleate; Polyoxyethylene (8) dioleate; Polyoxyethylene (20) dioleate; Polyoxyethylene dioleate. Emulsifier, lubricant, solubilizer, wetting agent, dispersant for pharmaceuticals.

2874 PEG-2 laurate

141-20-8 3147 G



$C_{16}H_{32}O_4$

Dodecanoic acid 2-(2-hydroxyethoxy)ethyl ester.

AI3-00969; Atlas G-2124; Diethylene glycol laurate; Diethylene glycol monolaurate; Diethylene glycol sesquilaurate; Diglycol laurate; Diglycol monolaurate; 2,2'-Dihydroxyethyl ether monododecanoate; Dodeca-noic acid, 2-(2-hydroxyethoxy)ethyl ester; EINECS 205-468-1; Emcol RDC-D; Ethanol, 2-(2-hydroxyethoxy)-, laurate; G 2124; Glaurin; 2-(2-Hydroxyethoxy)ethyl laurate; Lauric acid, 2-(2-hydroxyethoxy)ethyl ester; Lauro-Sebum; Nonex 413; NSC 3868; PEG-2 Laurate; Pegosperse 100L; Pegosperse 100 LN; Polyethylene glycol 100 monolaurate; Polyoxyethylene (2) monolaurate. Water-oil emulsifier, dispersant, antistat, defoamer and plasticizer for textile, paper processing, cutting oils, polishes, emulsion cleaners, rubber latex, wool lubricants, paints. Light yellow oil; mp = 17.5°; bp > 270° (dec); d^{25} = 0.96; soluble in C_6H_6, C_7H_8, freely soluble in $EtOHEt_2O$, Me_2CO. *Henkel/Emery; Karlshamns; Lonzagroup; Mona; Stepan; Witco/Humko.*

2875 PEG-6 sorbitan stearate

9005-67-8 8796 E G V

$C_{64}H_{126}O_{26}$

POE (6) sorbitan monostearate.

CCRIS 702; FEMA No. 2916; Glycosperse S-20; Peg-20 sorbitan stearate; Peg sorbitan stearate; PEG-3 Sorbitan stearate; PEG-6 Sorbitan stearate; PEG-40 Sorbitan stearate; PEG-60 Sorbitan stearate; Polyethylene glycol (3) sorbitan monostearate; Polyethylene glycol 300 sorbitan monostearate; Polyethylene glycol 2000 sorbitan stearate; Polyethylene glycol 3000 sorbitan monostearate; Polyoxyethylene (3) sorbitan monostearate; Polyoxy-ethylene (4) sorbitan monostearate; Polyoxyethylene (6) sorbitan monostearate; Polyoxyethylene (20) sorbitan monostearate; Polyoxyethylene (40) sorbitan stearate; Polyoxyethylene (60) sorbitan monostearate; Poly-oxyethylene sorbitan monostearate; Polysorbate 60; Polysorbate 61; Sorbimacrogol stearate 300; Sorbitan, monooctadecanoate, poly(oxy-1,2-ethanediyl) derivs.; Sorbitan, monostearate polyoxyethylene deriv.; Tween 60. Mixture of stearate esters of sorbitol and sorbitol anhydrides, with approximately 20 moles ethylene oxide; (generic); industrial chemicals, solvent, emulsifier, pharmaceuticals, veterinary drug. Emulsifier and solubilizer. *Spectrum Chem. Manufacturing.*

2876 PEG-12 stearate

9004-99-3 E G H

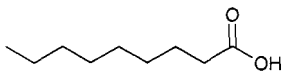
$(C_2H_4O)_nC_{18}H_{36}O_2$

POE (12) stearate.

Crodet S12; Diethylene glycol stearate; Hodag 60-S; Kessco® PEG 600 MS; Mapeg® 600 MS; PEG 400 monostearate; PEG 600 monostearate; Polyoxyethylene (8) stearic acid (monoester); Polyoxyethylene (40) stearic acid (monester); Polyoxyethylene (50) stearic acid (monoester). Emulsifier, wetting agent, solubilizer, dispersant, emollient, spreading agent for pharmaceuticals. Toxic by ip, iv routes. *Rhône Poulenc Surfactants; Taiwan Surfactants.*

2877 Pelargonic acid

112-05-0 7141 G H P



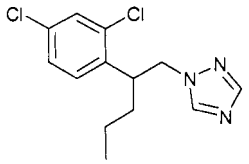
$C_9H_{18}O_2$

n-Nonanoic acid.

4-02-00-01018 (Beilstein Handbook Reference); AI3-04164; BRN 1752351; Cirrasol 185A; EINECS 203-931-2; Emery® 1202; Emfac 1202; EPA Pesticide Chemical Code 217500; FEMA No. 2784; Hexacid C9; HSDB 5554; Nonanoic acid; n-Nonanoic acid; Nonoic acid; n-Nonoic acid; n-Nonylic acid; Nonylic acid; n-Nonylic acid; NSC 62787; Pelargic acid; Pelargon; Pelargonic acid. Intermediate in manufacture of detergents. Herbicide and plant growth regulator. Oily liquid; mp = 12.3°; bp = 254.5°; bp_{14} = 143 - 145°, $bp_{6.3}$ = 132 - 133°; insoluble in H_2O, soluble in EtOH, $CHCl_3$, Et_2O; LD_{50} (mus iv) = 224 mg/kg. *Dow AgroSciences; Henkel/Emery; Japan Tobacco.*

2878 Penconazole

66246-88-6 G P



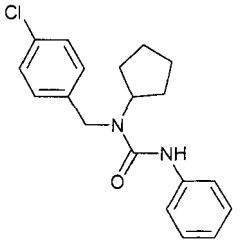
$C_{13}H_{15}Cl_2N_3$

1-[2-(2,4-Dichlorophenyl)pentyl]-1H-1,2,4-triazole.

5-26-01-00149 (Beilstein Handbook Reference); Award; BRN 0541488; CGA 71818; 1-(2-(2,4-Dichloro-phenyl)pentyl)-1H-1,2,4-triazole; EINECS 266-275-6; Onmex; Penconazole; Topas 100; Topas C; Topas MZ; Topaz; Topaze; Topaze C; 1H-1,2,4-Triazole, 1-(2-(2,4-dichlorophenyl)pentyl)-. Systemic fungicide with protective and curative action. Inhibits biosynthesis of ergosterol in the cell membrane. Used for control of powdery mildew. Crystals; mp = 60°; soluble in H_2O (0.007 g/100 ml at 20°), Me_2CO, cyclohexanone (both 58 g/100 ml), CH_2Cl_2 (106 g/100 ml), MeOH (64 g/100 ml), C_6H_{14} (1.7 g/100 ml), xylene, i-PrOH (50 g/100 ml); LD_{50} (rat orl) = 2125 mg/kg, (mus orl) = 2444 mg/kg, (rat der) > 3000 mg/kg, (Japanese quail orl) = 2424 mg/kg, (Peking duck orl) > 3000 mg/kg, (mallard duck orl) > 1590 mg/kg; LC_{50} (rainbow trout 96 hr.) = 1.7 - 4.3 mg/l, (carp 96 hr.) = 3.8 - 4.6 mg/l, (bluegill sunfish 96 hr.) = 2.1 - 2.8 mg/l; non-toxic to bees. *Ciba-Geigy Corp.; Syngenta Crop Protection.*

2879 Pencycuron

66063-05-6 G P



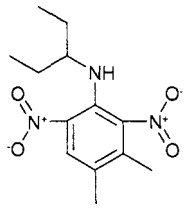
$C_{19}H_{21}ClN_2O$

N-[(4-Chlorophenyl)methyl]-N-cyclopentyl-N'-phenyl-urea.

BAY NTN 19701; BRN 2154416; Caswell No. 638A; 1-((4-Chlorophenyl)methyl)-1-cyclopentyl-3-phenylurea; 1-(p-Chlorobenzyl)-1-cyclopentyl-3-phenylurea; N-((4-Chlorophenyl)methyl)-N-cyclopentyl-N'-phenylurea; EINECS 266-096-3; EPA Pesticide Chemical Code 128823; Monceren; NTN 19701; Pencycuron; Urea, N-((4-chlorophenyl)methyl)-N-cyclopentyl-N'-phenyl-. Non-systemic fungicide used fro control of *Rhizoctonia and Pellicularia* spp. in potatoes, rice, cotton and vegetables. In particular, control of black scurf of potatoes, sheath blight of rice, and damping-off of ornamentals. Colorless crystals; mp = 129°; almost insoluble in H_2O (0.00004 g/100 ml at 20°), soluble in CH_2Cl_2 (10 - 100 g/100 ml), C_7H_8 (1 - 3 g/100 ml), i-PrOH (0.1 - 1.0 g/100 ml), C_6H_{14} (< 0.1 g/100 ml); LD_{50} (rat, mus, dog orl) > 5000 mg/kg, (cat orl) > 1000 mg/kg, (rat, mus der) > 2000 mg/kg, (Japanese quail orl) > 2500 mg/kg, (hen orl) > 2500 mg/kg, (canary orl) > 1000 mg/kg; LC_{50} (rat ihl 1 hr.) > 0.625 mg/l air, (carp 96 hr.) = 8.8 mg/l, (guppy 96 hr.) = 5 - 10 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp., Agriculture; Mobay.*

2880 Pendimethalin

40487-42-1 7155 G H P



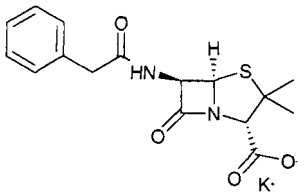
$C_{13}H_{19}N_3O_4$

N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine.

AC 92553; Accotab; Aniline, 3,4-dimethyl-2,6-dinitro-N-(1-ethylpropyl)-; Benzenamine, 3,4-dimethyl-2,6-dinitro-N-(1-ethylpropyl)-; Benzenamine, N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitro-; BRN 2157711; Caswell No. 454BB; Dirimal; EPA Pesticide Chemical Code 108501; Go-Go-San; Herbadox; Herbodox; N-(1-Äthylpropyl)-2,6-dinitro-3,4-xylidin; N-(1-Äthylpropyl)-3,4-dimethyl-2,6-dinitroanilin; N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine; Pay-off; Penoxalin; Pentagon; Pre-M 60DG; Prowl; Prowl 3.3E; Prowl 4E; Sipaxol; Stomp; Way Up; N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitroaniline; N-(1-Ethyl-propyl)-3,4-dimethyl-2,6-dinitrobenzenamine; Horbadox; HSDB 6721; Pendimethalin; Pendimethaline; Penoxalin; Penoxaline; Penoxyn; Phenoxalin; Prowl; Sipaxol; Stomp; Stomp 330D; Stomp 330E; Tendimethalin; Wax Up; Way Up; Wayup; 3,4-Xylidine, 2,6-dinitro-N-(1-ethylpropyl)-. Selective herbicide, absorbed by roots and leaves. Used for control of most annual grasses and many broad-leaved weeds in cereal, vegetable and fruit crops. Emulsifiable or suspension concentrate containing pendimethalin; a dinitroaniline herbicide for cereals and bush fruit. Registered by EPA as a herbicide. Orange crystals; mp = 56-57°; sg^{25} = 1.19; soluble in H_2O (0.00003 g/100 ml), soluble in Me_2CO (70 g/100 ml), xylene (62.8 g/100 ml), corn oil (14.8 mg/kg), C_7H_{16} (13.8 g/100 ml), i-PrOH (7.7 g/100 ml), readily soluble in C_6H_6, C_7H_8, $CHCl_3$, CH_2Cl_2, slightly soluble in petroleum ether; LD_{50} (mrat orl) = 1250 mg/kg, (frat orl) = 1050 mg/kg, (mmus orl) = 1620 mg/kg, (fmus orl) = 1340 mg/kg, (rbt orl) > 5000 mg/kg, (beagle dog orl) > 5000 mg/kg, (rbt der) > 5000 mg/kg, (bee topical) > 0.05 mg/bee; LC_{50} (bobwhite quail 8 day dietary) ■ 4187 mg/kg diet, (mallard duck 8 day dietary) = 10388 mg/kg diet; (rainbow trout 96 hr.) = 0.14 mg/l, (bluegill sunfish 96 hjr.) = 0.2 mg/l; non-toxic to bees. *BASF Corp.; Bayer AG; Cyanamid of Great Britain Ltd.; Hortichem Ltd.; UAP - Platte Chemical.*

2881 Penicillin G potassium

113-98-4 7165 D G



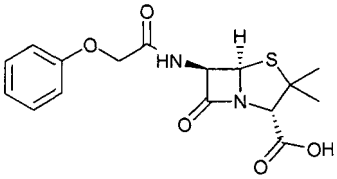
$C_{16}H_{17}KN_2O_4S$

[2S-(2α,5α,6β)]-3,3-Dimethyl-7-oxo-6-[(phenylacetyl)-amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid monopotassium salt.

Benzylpenicillin potassium; Benzylpenicillin potassium salt; Benzylpenicilline potassique; Benzylpenicillinic acid potassium salt; C-Cillin; Capicillin; Cillin; Cilloral potassium salt; Cintrisul; Cosmopen; Cosmopen potassium salt; Cristapen; Crytapen; DRG-0128; EINECS 204-038-0; Eskacillin; Falapen; Forpen; Hipercilina; Hyasorb; Hylenta; Lemopen; Liquapen; M-Cillin; Megacillin tablets; Monopen; Notaral; Novocillin vet.; NSC 131815; Paclin G; Penalev; Penicillin G K; Penicillin G potassium; Penisem; Pentid; Pentids; Pfizerpen; Potassium benzylpenicillinate; Potassium penicillin G; Potassium 6-(phenylacetamido)penicillanate; Potassium benzylpenicillin; Potassium benzylpenicillin G; Potassium benzylpenicillinate; Potassium penicillin G; Potassium salt of benzylpenicillin; Qidpen G; Scotcil; SK-Penicillin G; Sugracillin; Tabilin; Tu Cillin; Van-Pen-G. Antibacterial Solid; mp = 214-217° (dec); $[\alpha]_D^{22}$= 285-310° (c = 0.7); freely soluble in H_2O. *Bristol-Myers Squibb Co.*

2882 Penicillin V

87-08-1 7171 D G



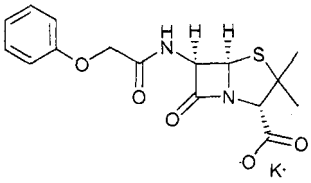
$C_{16}H_{18}N_2O_5S$

[2S-(2α,5α,6β)]-3,3-Dimethyl-7-oxo-6-[(phenoxyacetyl)-amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid.

4-27-00-05884 (Beilstein Handbook Reference); Acipen V; Apopen; Beromycin; BRN 0096259; Calcipen; CCRIS 752; Compocillin V; Crystapen V; Distaquaine V; EINECS 201-722-0; Eskacillin V; Fenacilin; Fenospen; Fenossi-metilpenicillina; Fenoxypen; HSDB 6314; Meropenin; Oracillin; Oracilline; Oratren; Ospen; P-Mega-Tablinen; Pen-Oral; Pen-V; Pen-Vee; Penicillin phenoxymethyl; Penicillin V; Phenocillin; Phenomycilline; Phenopeni-cillin; Phenoximethyl-penicillinum; Phenoxymethyl peni-cillin; Phenoxymethyl-enepenicillinic acid; Phenoxy-methylpenicillin; Phenoxy-methylpenicilline; Phenoxy-methylpenicillinum; Phenoxy-methylpenicillinic acid; Rocilin; Stabicillin; V-Cil; V-Cillin; V-Cylina; V-Cyline; V-Tablopen; Vebecillin. Anibacterial agent. Monoclinic hemimorphic crystals; Dec 120-128°; λ_m = 268, 274 nm (ε 1330, 1100); soluble in H_2O at pH 1.8 (25 mg/100 ml); soluble in polar organic solvents; practically insoluble in vegetable oils, liquid petrolatum; LD_{50} (mus sc) = 2300 mg/kg. *Eli Lilly & Co.; Wyeth-Ayerst Labs.*

2883 Penicillin V potassium

132-98-9 7171 D



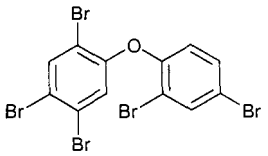
$C_{16}H_{17}KN_2O_5S$

[2S-(2α,5α,6β)]-3,3-Dimethyl-7-oxo-6-[(phenoxyacetyl)-amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid monopotassium salt.

Antibiocin; Apsin VK; Arcacil; Arcasin; Aspin VK; Beepen-VK; Beromycin; Beromycin 400; Betapen V; Betapen-VK; Calciopen K; CCRIS 750; Cliacil; Compocillin-VK; Distakaps V-K; Distaquaine V-K; Dov-k; Dowpen V-K; DQV-K; EINECS 205-086-5; Fenocin; Fenocin Forte; Fenoxypen; HSDB 6315; Icipen; Isocillin; Ispenoral; Kavepenin; Ledercillin VK; Megacillin Oral; Oracil-VK; Orapen; Ospeneff; Pedipen; Pen-V-K; Pen-Vee K; Penagen; Penapar VK; Pencompren; Penicillin Potassium Phenoxymethyl; Penicillin V potassium salt; Penicillin V Potassium; Penicillin VK; Penvikal; Pfizerpen VK; Phenoxymethylpenicillin potassium; Potassium penicillin V salt; Potassium penicillin V; Potassium phenoxymethyl penicillin; Potassium phenoxy-methylpenicillin; Primcillin; PVK; Qidpen VK; Robicillin VK; Rocillin-VK; Roscopenin; SK-Penicillin VK; Stabillin VK syrup; Sumapen VK; Suspen; Uticillin VK; V-CiL-K; V-Cillin K; Veetids; Vepen. Antibacterial agent. Solid; mp ■ 120-128° (dec); λ_m = 268, 274 nm (ε 1330 1100); soluble in H_2O (0.025 g/100 ml), polar organic solvents. *Apothecon; Eli Lilly & Co.; Lederle Labs.; Parke-Davis; Robins, A. H. Co.,; SmithKline Beecham Pharm.; Wyeth-Ayerst Labs.*

2884 Pentabromodiphenyl ether

32534-81-9 G H



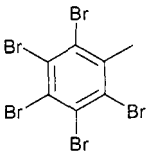
$C_{12}H_5Br_5O$

Diphenyl ether, pentabromo derivative.

Benzene, 1,1'-oxybis-, pentabromo deriv.; Bromkal G 1; CCRIS 4851; DE 71; Diphenyl ether, pentabromo derivative; EINECS 251-084-2; FR-1205; Fyrol® PBR; Pentabromodiphenyl ether; Pentabromodiphenyl oxide; Pentabromophenoxybenzene; Planelon PB 501; Saytex 125. Flame retardant for use in laminates (both epoxy and phenolic), unsaturated polyesters, synthetic fibers, and flexible PU foams; suitable for textiles. Flame retardant additive for flexible polyurethane foams; low propensity for discoloration caused by high exotherm in the processing of flexible polyether urethane foam. Liquid at 50-60°; d = 2.25; soluble in CCl_4; CH_3Cl_2, C_6H_6, Me_2CO; insoluble in water; slightly soluble in methanol; LD_{50} (rat orl) = 5200 mg/kg, (rbt der) > 2000 mg/kg. *Akzo Chemie; Albemarle Corp.; Amerihaas; Dead Sea Bromine; Ethyl Corp.; Great Lakes Fine Chem.*

2885 Pentabromotoluene

87-83-2 G



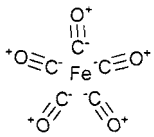
$C_7H_3Br_5$

2,3,4,5,6-Pentabromotoluene.

Benzene, pentabromomethyl-; CCRIS 4854; EINECS 201-774-4; Flammex 5bt; FR 705; HSDB 5253; Penta-bromomethylbenzene; Pentabromotoluene; 2,3,4,5,6-Pentabromotoluene; Toluene, 2,3,4,5,6-pentabromo-. Flame retardant for use with unsaturated polyesters, polyethylene, PP, PS, SBR latex, textiles and rubbers. Crystals; mp = 288°; d^{17} = 2.97; λ_m = 222, 270 nm (ε = 41700, 925, MeOH); insolubie in H_2O, solubie in C_6H_6, less soluble in EtOH, AcOH; LD_{50}=rat oral>5000 mg/kg; irritant. *Dead Sea Bromine; Great Lakes Fine Chem.; Sigma-Aldrich Fine Chem.*

2886 Pentacarbonyliron

13463-40-6 5114 H



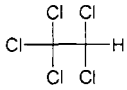
C_5FeO_5

Iron carbonyl (Fe(CO)5), (TB-5-11)-.

EINECS 236-670-8; FER pentacarbonyle; HSDB 6347; Iron carbonyl; Iron carbonyl (Fe(CO)5); Iron carbonyl (Fe(CO)5), (TB-5-11)-; Iron carbonyl, (Fe(CO)5); Iron carbonyl, (TB-5-11)-; Iron carbonyl compounds; Iron pentacarbonyl; Pentacarbonyliron; UN1994.

2887 Pentachlorethane

76-01-7 7179 G



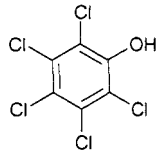
C_2HCl_5

Ethane pentachloride.

4-01-00-00147 (Beilstein Handbook Reference); BRN 1736845; Caswell No. 639B; CCRIS 494; EINECS 200-925-1; EPA Pesticide Chemical Code 598300; Ethane pentachloride; Ethane, pentachloro-; HSDB 2034; NCI-C53894; Pentachloorethaan; Pentachloraethan; Pentachloräthan; Pentachlorethane; Pentachloroethane; Pentacloroetano; Pentalin; RCRA waste number U184; UN1669. Solvent, degreaser, cleaning agent. Liquid; mp = -29°; bp =159.8°; d^{20} = 1.6796; insoluble in H_2O, very soluble in EtOH, Et_2O, other organic solvents; LC_{50} (rat ihl) = 4238 ppm/2 hr. *Lancaster Synthesis Co.*

2888 Pentachlorophenol

87-86-5 7180



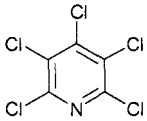
C_6HCl_5O

2,3,4,5,6-Pentachlorophenol.

4-06-00-01025 (Beilstein Handbook Reference); AD 73; AI3-00134; BRN 1285380; Caswell No. 641; CCRIS 1663; Chem-Penta; Chem-Tol; Chlon; Chlorophen; CM 613; CP 1309; Cryptogil oil; Dow pentachlorophenol; Dow pentachlorophenol dp-2; Dowicide 7; Dowicide EC-7; DP-2 antimicrobial; Dura-Treet; Dura Treet II; Durotox; EP 30; EP 30 (pesticide); EPA Pesticide Chemical Code 063001; Forepen; Forpen-50 Wood Preservative; Fungifen; Glazd penta; Grundier arbezol; HSDB 894; 1-Hydroxy-2,3,4,5,6-pentachlorobenzene; 1-Hydroxypentachlorobenzene; Lauxtol; Lauxtol a; Liroprem; MB 333; NCI-C54933; NCI-C55378; NCI-C56655; NSC 263497; Ontrack WE Herbicide; Ortho Triox Liquid Vegetation Killer; Osmoplastic; Osmose Wood Preserving Compound; Oz-88; PCP; Penchlorol; Penta; Penta Concentrate; Penta-kil; Penta ready; Penta WR; Pentachloorfenol; Pentachlorofenol; Pentachloro-phenate; Pentachlorophenol; 2,3,4,5,6-Pentachloro-phenol; Pentachlorophenol [UN3155] [Poison]; Penta-clorofenolo; Pentacon; Penwar; Peratox; Permacide; Permagard; Permasan; Permatox DP-2; Permatox penta; Permite; Phenol, pentachloro-; Pol Nu; Pole topper fluid; Preventol P; Priltox; RCRA waste number U242; santobrite; Santophen; Santophen 20; Sinituho; Term-i-trol; Thompson's wood fix; UN3155; Watershed Wood Preservative; Weed and Brush Killer; Weedone; Witophen P; Woodtreat A. Used as a preharvest defoliant on selected crops. Has been used as a herbicide, algacide, defoliant, wood preservative, germicide, fungicide, and molluscicide. Insecticide used in termite control, as a defoliant and general herbicide. Also used for wood preservation. Registered by EPA as an antimicrobial, fungicide and insecticide. Colorless crystals; mp = 174°, 191°; bp = 310° (dec); sg^{22} = 1.978; λ_m = 224, 273, 280 nm (ε = 8220, 1050, 911, MeOH); soluble in H_2O (0.008 g/100 mi at 20°), Me_2CO (21.5 g/100 mi), most other organic solvents; LD_{50} (rat orl) = 210 mg/kg; LC_{50} (rainbow trout 48 hr.) = 0.17 mg/l (sodium salt). *Dow AgroSciences; KMG-Bernuth Inc.; Nyco Minerals; Penta Mfg.; Vulcan; Wood Protection Products.*

2889 Pentachloropyridine

2176-62-7 H



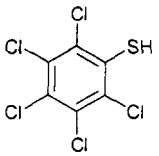
C_5Cl_5N

2,3,4,5,6-Pentachloropyridine.

5-20-05-00422 (Beilstein Handbook Reference); BRN 0155197; EINECS 218-535-5; HSDB 5867; NSC 26286; Pentachloropyridine; 2,3,4,5,6-Pentachloropyridine; Per-chloropyridine; Pyridine, 2,3,4,5,6-pentachloro-; Pyrid-ine, pentachloro-. Crystals; mp = 125.5°; bp = 280°; λ_m = 261 nm (ε = 372, C_6H_{14}), 260 nm (ε = 339, EtOH); very soluble in EtOH, C_6H_6, ligroin.

2890 Pentachlorothiophenol

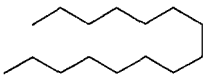
133-49-3 G



C_6HCl_5S
Pentachlorobenzenethiol.
4-06-00-01642 (Beilstein Handbook Reference); AI3-23118; Akrochem® Peptizer PTP; Benzenethiol, pentachloro-; BRN 1108638; EINECS 205-107-8; HSDB 6124; NSC 5578; PCTP; Pentachloro-benzenethiol; Pentachlorothiophenol; Pentachlorthiofenol; Renacit 7; RPA 6; USAF B-51. Peptizer for natural rubber, polyisoprene, styrene/butadiene rubber, polybutadiene, NBR, butyl, chloroprene and blends; absorbed on clay, used as a peptizing agent facilitating open mill and internal mixer mastication in rubber industry. Mildly toxic by ingestion; severe eye irritant. *Akrochem Chem. Co.; Bayer AG; Polysar.*

2891 Pentadecane

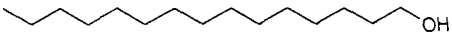
629-62-9 H



$C_{15}H_{32}$
n-Pentadecane.
4-01-00-00529 (Beilstein Handbook Reference); BRN 1698194; EINECS 211-098-1; HSDB 5729; NSC 172781; Pentadecane; n-Pentadecane. Liquid; mp = 9.9°; bp = 270.6°; d^{20} = 0.7685; insoluble in H_2O, very soluble in EtOH, Et_2O.

2892 Pentadecanol

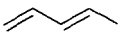
629-76-5 H



$C_{15}H_{32}O$
n-Pentadecan-1-ol.
AI3-33881; EINECS 211-107-9; Neodol® 5; NSC 66446; Pentadecanol; 1-Pentadecanol; n-Pentadecanol; n-1-Pentadecanol; Pentadecyl alcohol. Detergent intermediate. Solid; mp ▫ 45-46°; bp = 269-271°. *Shell.*

2893 Pentadiene, 1,3-

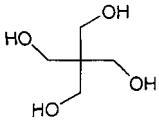
504-60-9 H



C_5H_8
1-Methylbutadiene.
4-01-00-00995 (Beilstein Handbook Reference); BRN 1523657; EINECS 207-995-2; HSDB 6063; 1-Methylbutadiene; Pentadiene, 1,3-; 1,3-Pentadiene; Piperylene; RCRA waste number U186.

2894 Pentaerythritol

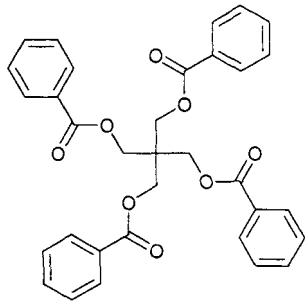
115-77-5 7182 G H



$C_5H_{12}O_4$
Tetrakis(hydroxymethyl)methane.
4-01-00-02812 (Beilstein Handbook Reference); AI3-19571; Auxinutril; BRN 1679274; CCRIS 2306; EINECS 204-104-9; Hercules® P6; Hercules® Mono-PE; HSDB 872; Maxinutril; Metab-Auxil; Methane tetramethylol; Monopentaerythritol; Monopentek; NSC 8100; PE 200; Penetek; Pentaerythrital; Pentaerythrite; Pentaerythritol; Pentek; PETP; Tetrahydroxymethylmethane; Tetrakis-(hydroxymethyl)methane; Tetramethylolmethane; THME;. Used in production of alkyd resins, rosin esters, urethane resins, drying oils, synthetic lubricants, plasticizer, intumescent paints, plastics, stabilizers for plastics, explosives and as a chemical intermediate. Crystals; mp = 260°; bp_{30} = 276°, sublimes; d = 1.396; soluble in H_2O (55 mg/ml), alcohols, slightly soluble in Et_2O, C_6H_6. *Aqualon; Degussa AG; Hercules Inc.; Hoechst Celanese; Mitsubishi Gas; Mitsui Toatsu; Penta Mfg.; Perstorp AB.*

2895 Pentaerythritol tetrabenzoate

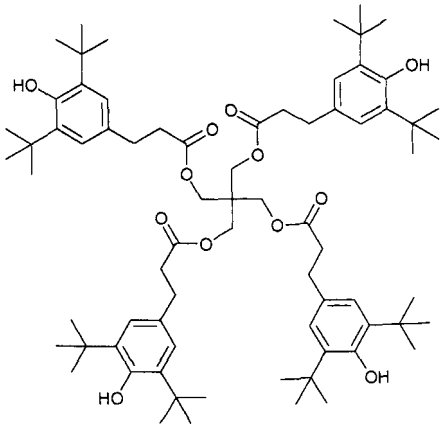
4196-86-5 G



$C_{33}H_{28}O_8$
2,2-Bis((benzoyloxy)methyl)dibenzoate propanediol.
3-09-00-00688 (Beilstein Handbook Reference); Benzoflex S-552; Benzoic acid, tetraester with pentaerythritol; 2,2-Bis((benzoyloxy)methyl)-1,3-propane-diol dibenzoate; BRN 3513249; CCRIS 5971; EINECS 224-079-8; NSC 166502; Pentaerythritol tetrabenzoate; 1,3-Propanediol, 2,2-bis((benzoyloxy)methyl)-, dibenz-oate; Uniplex 552. Plasticizer for adhesives intended for heat seal applications Solid; mp = 102-104°. *Unitex.*

2896 Pentaerythritol tetrakis(3,5-di-t-butyl-4-hydroxyhydrocinnamate)

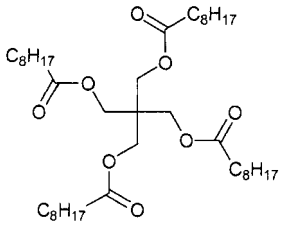
6683-19-8 G H



$C_{73}H_{108}O_{12}$
Hydrocinnamic acid, 3,5-di-t-butyl-4-hydroxy-, neo-pentanetetrayl ester.
ADK Stab AO 60; Anox 20AM; ANOX 20; AO 60; AO3; BP 101; BRN 2035465; Dovernox 10; EINECS 229-722-6; Fenozan 22; Fenozan 23; IR 1010; Irganox 1010; Irganox 1010; Irganox 1010FF; Irganox 1010FP; Irganox 1040; MARK AO 60; Naugard® 10; Phenosane 23; RA 1010; Ralox 630; Sumilizer BP 101; Tetraalkofen BPE. Antioxidant effective against thermal oxidative degradation during long term heat aging; for polyolefins, styrenics, elastomers, adhesives, lubricants, and oils. Crystals; mp = 110-125°. *Uniroyal.*

2897 Pentaerythrityl tetrapelargonate

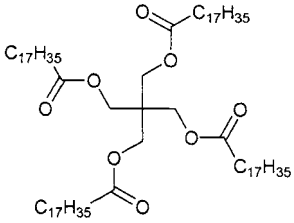
14450-05-6 H



$C_{41}H_{76}O_8$
Nonanoic acid, 2,2-bis(((1-oxononyl)oxy)methyl)-1,3-propanediyl ester.
AI3-14798; 2,2-Bis(((1-oxononyl)oxy)methyl)propane-1,3-diyl dinonan-1-oate; EINECS 238-430-8; Nonanoic acid, 2,2-bis(((1-oxononyl)oxy)methyl)-1,3-propanediyl ester; Nonanoic acid, neopentanetetrayl ester; Pentaerythrityl tetrapelargonate.

2898 Pentaerythrityl tetrastearate

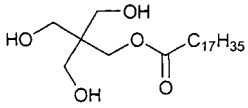
115-83-3 G H



$C_{77}H_{148}O_8$
2,2-Bis(octadecanoyloxymethyl)-1,3-propanediyl diocta-decanoate.
EINECS 204-110-1; Octadecanoic acid, 2,2-bis(((1-oxooctadecyl)oxy)methyl)-1,3-propanediyl ester; Penta-erythrityl tetrastearate; Radia® 7176, Radiasurf® 7175; Stearic acid, neopentanetetrayl ester. Lubricant, chemical intermediate; used in formulation of cutting, lamination, textile oils and corrosion inhibitors, in chemical synthesis, polishes, coatings and textile finishes. Solid; mp = 71°; d = 0.940. *Fina Chemicals; Hercules Inc.; Lipo; Lonzagroup.*

2899 Pentaerythrityl stearate

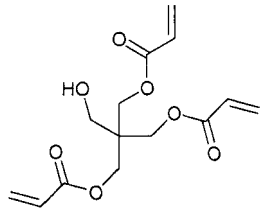
8045-34-9 H



$C_{23}H_{46}O_5$
Octadecanoic acid, ester with 2,2-bis(hydroxymethyl)-1,3-propanediol.
EINECS 232-457-9; Octadecanoic acid, ester with 2,2-bis(hydroxymethyl)-1,3-propanediol; Stearic acid, ester with pentaerythritol.

2900 Pentaerythrityl triacrylate

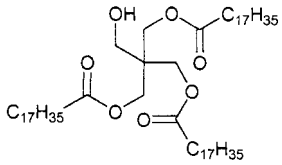
3524-68-3 G



$C_{14}H_{18}O_7$
(2-Propenoic acid-2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester).
Acrylic acid, triester with pentaerythritol; Aronix M 305; CCRIS 3436; EINECS 222-540-8; Gafgard 233; 2-(Hydroxymethyl)-2-(((1-oxoallyl)oxy)methyl)-1,3-propane-diyl diacrylate; Kayarad PET 30; Light Acrylate PE 3A; NK Ester A-TMM 3; NK Ester A-TMM 3L; NK Ester TMM 50T; P 300 (acrylate); Pentaerythritol triacrylate; PETA; 2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester; Sartomer SR 444; Setalux UV 2242; SR 444; SR 444C; Tetra-methylolmethane triacrylate. Crosslinking agent used in adhesives, coatings, inks, textile products, photoresists, castings, modifiers for polyester, fiberglass, or polymers. A trifunctional cross-linking acrylic monomer cured by UV light used in the production of polyfunctional aziridine, added to paint primer and floor top coatings as a self-curing cross-linker or hardener. Often admixed with 300-400 ppm MEHQ inhibitor. Liquid; bp = 205-215° (detonates); insoluble in H_2O. *Sartomer.*

2901 Pentaerythritol tristearate

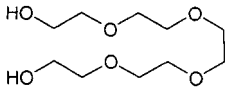
28188-24-1 H



$C_{59}H_{114}O_7$
Stearic acid, triester with pentaerythritol.
EINECS 248-889-6; 2-(Hydroxymethyl)-2-(((1-oxooctadecyl)oxy)methyl)propane-1,3-diyl distearate; Octadeca-noic acid, 2-(hydroxymethyl)-2-(((1-oxooctadecyl)oxy)-methyl)-1,3-propanediyl ester; Pentaerythritol tristearate; Stearic acid, triester with pentaerythritol.

2902 Pentaethylene glycol

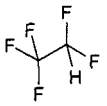
4792-15-8 H



$C_{10}H_{22}O_6$
3,6,9,12-Tetraoxatetradecane-1,14-diol.
4-01-00-02405 (Beilstein Handbook Reference); BRN 1635593; EINECS 225-341-4; Pentaethylene glycol.

2903 Pentafluoroethane

354-33-6 G



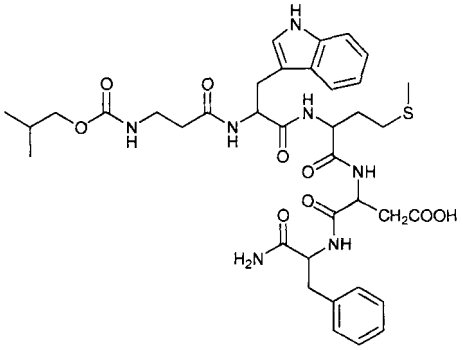
C_2HF_5

1,1,2,2,2-Pentafluoroethane.

CCRIS 7630; EINECS 206-557-8; Ethane, pentafluoro-; F 125; FC 125; Fron 125; Genetron® HFC 125; HCFC 125; HFC-125; HSDB 6755; Khladon 125; Pentafluoroethane; R 125; Refrigerant gas R 125; UN3220. For use in low temperature refrigeration applications Gas; bp = -48°. *Allied Signal.*

2904 Pentagastrin

5534-95-2 7188 D G



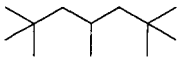
$C_{37}H_{49}N_7O_9S$

N-[(1,1-Dimethylethoxy)carbonyl]-β-alanyl-L-tryptophan-yl-L-methionyl-L-α-aspartyl--L-phenylalaninamide.

Alaninamide, N-carboxy-β-alanyl-L-tryptophyl-L-meth-ionyl-L-aspartylphenyl-, N-t-butyl ester, L-; AY 6608; Boc-β-ala-try-met-asp-phe(NH_2); BRN 5472892; EINECS 226-889-7; Gastrodiagnost; HSDB 3247; ICI 50123; L-Phenyl-alaninamide, N-((1,1-dimethylethoxy)carbonyl)-β-alanyl-L-tryptophyl-L-methionyl-L-α-aspartyl-; N-(N-(N-(N-t-Butoxycarbonyl-β-alanyl)-L-tryptophanyl)-L-meth-ionyl)-L-aspartyl)-L-phenylalaninamide; N-Carboxy-β-alanyl-L-tryptophyl-L-methionyl-L-aspartylphenyl-L-alaninamide N-t-butyl ester; N-t-Butyloxycarbonyl-β-alanyl-L-trypto-phyl-L-methionyl-L-aspartyl-L-phenylalan-ine amide; NSC 367746; Pentagastrin; Pentagastrina; Pentagastrine; Pentagastrinum; Peptavlon; Petogasrin. Gastric secretion stimulant used as a diagnostic aid. Solid; mp = 229-230°; $[\alpha]_D^{22}$ = -29° (DMF); λ_m = 280, 289 nm (ε 5340, 4590, 2N NH_4OH); almost insoluble in H_2O, organic solvents. *ICI.*

2905 Pentamethylheptane

13475-82-6 G



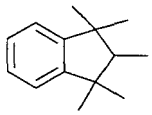
$C_{12}H_{26}$

2,2,4,6,6-Pentamethylheptane.

EINECS 236-757-0; Heptane, 2,2,4,6,6-pentamethyl-; 2,2,4,6,6-Pentamethylheptane; Permethyl 99A. Used as a cosolubilizer for nonhydrocarbon materials; for mascara, eyeliner, antiperspirant and where residual film is not desirable; solvent for debris on skin. *Presperse.*

2906 Pentamethylindane

1203-17-4 H



$C_{14}H_{20}$

1,1,2,3,3-Pentamethylindane.

1H-Indene, 2,3-dihydro-1,1,2,3,3-pentamethyl-; EINECS 214-868-5; HSDB 5793; Indan, 1,1,2,3,3-pentamethyl-; 1,1,2,3,3-Pentamethylindan; 1,1,2,3,3-Pentamethyl-indane.

2907 Pentane

109-66-0 7193 G H

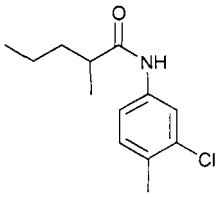
C_5H_{12}

n-Pentane.

AI3-28785; Amyl hydride; Caswell No. 642AA; EINECS 203-692-4; EPA Pesticide Chemical Code 098001; HSDB 109; NSC 72415; Pentan; Pentane; n-Pentane; Pentanen; Pentani; Skellysolve A; Tetrafume; Tetrakil; Tetraspot; UN1265. Solvent; artificial ice manufacture, low-temperature thermometers, solvent extract processes, blowing agent in plastics (expandable polystyrene), pesticide. Liquid; mp = -129.7°; bp = 36.0°; d^{20} = 0.6262; slightly soluble in H_2O, soluble in CCl_4; freely soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$, C_6H_6, C_7H_{16}; LC_{100} (mus ihl) ◘ 128200 ppm. *Ashland; Phillips 66.*

2908 Pentanochlor

2307-68-8 8851 G P



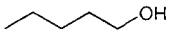
$C_{13}H_{18}ClNO$

N-(3-Chloro-4-methylphenyl)-2-methylpentanamide.

BRN 2722779; Caswell No. 800; N-(3-Chlor-methylphenyl)-2-methylpentanamid; N-(3-Chloro-p-tolyl)-2-methylvaleramide; 3'-Chloro-2-methyl-p-valero-tolu-idide; N-(3-Chloro-4-methylphenyl)-2-methylpentan-amide; Chlorpentan; CMMP; Dakuron; Dutom; EINECS 218-988-9; EPA Pesticide Chemical Code 020901; FMC 4512; Hortox; Niagara 4512; Pentachlore; Pentanamide, N-(3-chloro-4-methylphenyl)-2-methyl-; Pentanochlor; Pentanochlore; Solan; Solane; p-Valerotoluidide, 3'-chloro-2-methyl-. Pre- and post-emergence herbicide used in carrots, celery, fennel, parsley, parsnip, tomatoes and some flowers. Used as a contact spray with carnations, roses, fruit and ornamental trees and shrubs. Pale yellow powder; mp = 85-86°; d^{20} = 1.106; soluble in H_2O (0.085 g/100 ml), freely soluble in organic solvents; LD_{50} (rat orl) > 10000 mg/kg; not very toxic to bees. *Atlas Interlates Ltd; Hortichem Ltd.*

2909 n-Pentanol

71-41-0 7195 G H



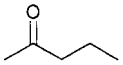
$C_5H_{12}O$

1-Pentanol.

4-01-00-01640 (Beilstein Handbook Reference); AI3-01293; Alcool amylique; Amyl alcohol; Amylol; BRN 1730975; Butyl carbinol; EINECS 200-752-1; FEMA Number 2056; HSDB 111; NSC 5707; Pentanol; Pentanol-1; Pentasol; Pentyl alcohol; Pentan-1-ol; Primary amyl alcohol; UN1105. Raw material for pharmaceutical preparations, organic synthesis solvent; flotation agent, organic synthesis, medicine (sedative). Liquid; mp= -78.9°; bp ◘ 137.9°; d^{20} = 0.8144; slightly soluble in H_2O, freely soluble in organic solvents; LD_{50} (rat orl) = 2200 mg/kg. *Ashland; Condea Vista Co.; Hoechst Celanese; MTM Spec. Chem. Ltd.; Union Carbide Corp.*

2910 2-Pentanone

107-87-9 6137 G H



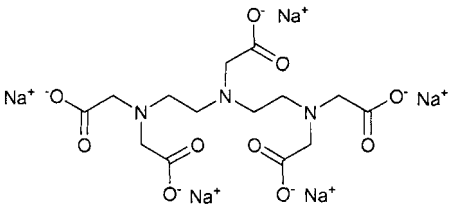
$C_5H_{10}O$

Methyl propyl ketone.

4-01-00-03271 (Beilstein Handbook Reference); AI3-32118; BRN 0506058; EINECS 203-528-1; Ethyl acetone; FEMA Number 2842; HSDB 158; Methyl n-propyl ketone; Methyl-propyl-cetone; Methyl propyl ketone; Metylopropyloketon; NSC 5350; 2-Pentanone; Propyl methyl ketone; UN 1249. Solvent, substitute for diethyl ketone, flavoring. Mobile liquid; mp ◘ -76.9°; bp = 102.2°; d^{20} = 0.809; λ_m = 280 nm (cyclohexanone); slightly soluble in H_2O (4 g/100 ml), Cl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1600 mg/kg. *Ashland; CasChem; Janssen Chimica; Penta Mfg.; Sigma-Aldrich Fine Chem.*

2911 Pentasodium pentetate

140-01-2 G H



$C_{14}H_{18}N_3Na_5O_{10}$

Pentasodium diethylenetriaminepentaacetate.

Caswell No. 642B; Cheelox® 80; Chel 330; Chelest P; Clewat DP 80; Detarex py; Diethylenetriaminepenta-acetic acid pentasodium salt; Dtpa pentasodium salt; EINECS 205-391-3; EPA Pesticide Chemical Code 039120; Hamp-ex 80; HSDB 5629; Kiresuto P; Pentaquest Extra 0685; Pentasodium diethylenetriamine-pentaacetate; Pentasodium DTPA; Pentasodium pent-etate; Perma kleer 140; Plexene D; Sodium diethylene-triaminepentaacetate; Syntron C; Tetralon B; Trilon C; Trilon® C Liq; Versenex 80. All purpose chelating agent used in pulp bleaching applications using hydrogen peroxide. Chelating agent for iron chelation up to pH 11.5, used when higher metal chelate stability is required; used in peroxide bleach systems. Solid; mp = -40°; bp = 106°; d = 1.299; soluble in H_2O. *BASF Corp.; Clough; Rhône Poulenc Surfactants.*

2912 1-Pentene

109-67-1 7199 H

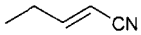
C_5H_{10}

n-Pent-1-ene.

'α-Amylene; α-n-Amylene; EINECS 203-694-5; HSDB 1086; 1-Pentene; 1-Pentylene; Propylethylene. Liquid; mp = -165.2°, bp ◘ 29.9°; d^{20} = 0.6405; λ_m = 177, 181, 187 nm (16596, 13804, 4467, gas); insoluble in H_2O, slightly soluble in CCl_4, soluble in C_6H_6, freely soluble in EtOH, Et_2O.

2913 2-(E)-Pentenenitrile

26294-98-4 H



C_5H_7N

(E)-Pent-2-enenitrile.

EINECS 247-593-4; (E)-Pent-2-enenitrile; 2-Pentenenitrile, (2E)-; 2-Pentenenitrile, (E)-.

2914 2-(Z)-Pentenenitrile

25899-50-7 H

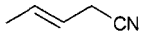
C_5H_7N

2-Pentenenitrile, (Z)-.

4-02-00-01546 (Beilstein Handbook Reference); BRN 1719855; CCRIS 1229; 1-Cyano-1-butene; cis-1-Butenyl cyanide; (Z)-Pent-2-enenitrile; 2-Pentenenitrile, (2Z)-; 2-Pentenenitrile, (Z)-; cis-2-Pentenenitrile; EINECS 247-323-5.

2915 3-Pentenenitrile

4635-87-4 H



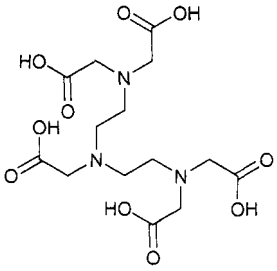
C_5H_7N

3-Pentenenitrile.

CCRIS 6090; EINECS 225-060-7; HSDB 6779; 3-Pentenenitrile. Liquid; bp = 144°; d^4 = 0.83.

2916 Pentetic acid

67-43-6 7202 D G



$C_{14}H_{23}N_3O_{10}$

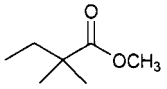
Diethylenetriaminepentaacetic acid.

4-04-00-02454 (Beilstein Handbook Reference); Acetic acid, ((carboxymethylimino)bis(ethylenenitrilo))tetra-; Acide pentetique; Acido pentetico; Acidum penteticum; BRN 1810219; 2,2'-(Carboxymethylimino)bis(ethylimino-diessigsaeure); 2,2'-(Carboxymethylimino)bis(ethylimino-diessigsäure); Chel DTPA; CHEL 330 acid; Complexon V; Dabeersen 503; Detapac; Detarex; Diethylenetriamine-N,N,N',N",N"-pentaacetic acid; (Diethylenetrinitrilo)-pentaacetic acid; 1,1,4,7,7-

Diethylenetriaminepenta-acetic acid; Dissolvine D; DTPA; EINECS 200-652-8; Glycine, N,N-bis(2-(bis(carboxymethyl)amino)ethyl)-; Hamp-Ex Acid; Monaquest CAI; N,N-Bis(2-(bis(carboxymethyl)amino)ethyl)glycine; NSC 7340; Pentacarboxymethyldiethylenetriamine; Pentetic acid; Penthamil; Perma kleer; Titriplex V; 3,6,9-Triaza-undecanedioic acid, 3,6,9-tris(carboxymethyl)-. Chelating agent with affinity for iron; scale and corrosion inhibitor for aqueous systems; stable to hydrogen peroxide. Sequestrant used in peroxide bleach baths. Crystals; mp = 220° (dec); soluble in H_2O (5 g/l). *Cia-Shen; Clough.*

2917 Pentyl acetate

624-41-9 H



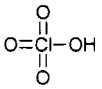
$C_7H_{14}O_2$

2-Methylbutyl acetate.

1-Butanol, 2-methyl-, acetate; EINECS 210-843-8; FEMA No. 3644; 2-Methyl-1-butyl acetate; 2-Methylbutyl acetate; Pentyl acetate. Liquid; bp = 140°; d^{20} = 0.8740; very soluble in Me_2CO, EtOH, Et_2O.

2918 Perchloric acid

7601-90-3 7232 G



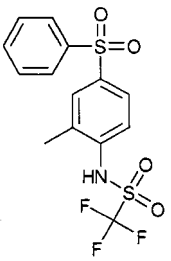
$ClHO_4$

Perchloric acid.

EINECS 231-512-4; Fraude's reagent; HSDB 1140; Perchloric acid; UN1802; UN1873. Used in analytical chemistry, as a catalyst, in manufacture of esters, as an ingredient of electrolytic bath in deposition of lead, electropolishing, explosives. Oxidizing agent and bleach. Liquid; mp = -112°; bp_{11} = 19°; d^{22} ◘ 1.768. *Spectrum Chem. Manufacturing.*

2919 Perfluidone

37924-13-3 7236 G P



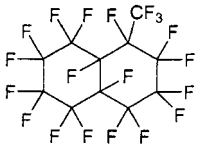
$C_{14}H_{12}F_3NO_4S_2$

Trifluoro-N-(2-methyl-4-(phenylsulfonyl)phenyl)methane-sulfonamide.

BRN 2180629; Caswell No. 903D; Destun; EPA Pesticide Chemical Code 108001; Flamprop-m-methyl; Lancer; MBR 8251; Methanesulfonamide, 1,1,1-trifluoro-N-(2-methyl-4-(phenylsulfonyl)phenyl)-; Methanesulfonamide, N-(4-phenylsulfonyl-o-tolyl)-1,1,1-trifluoro-; Methyl-4-(phenylsulfonyl)trifluoromethanesulfonanilide; Methyl-N-benzoyl-N-(3-chloro-4-fluorophenyl)alaninate, (R)-; (R)-Methyl-N-benzoyl-N-(3-chloro-4-fluorophenyl)alaninate; 2-Methyl-4-(phenylsulfonyl)trifluoromethanesulfonanil-ide; Perfluidone; N-(4-Phenylsulfonyl-o-tolyl)-1,1,1-tri-fluoromethanesulfonamide; SB 1528; 1,1,1-Trifluoro-2'-methyl-4'-(phenylsulphonyl)methane-sulphonanilide; 1,1,1-Trifluoro-4'-(phenylsulfonyl)meth-anesulfono-o-toluidide; 1,1,1-Trifluoro-N-(2-methyl-4-(phenylsulfonyl)-phenyl)methanesulfonamide; 1,1,1-Trifluoro-N-(4-phenyl-sulphonyl-o-tolyl)methanesulphonamide; 1,1,1-Trifluoro-N-(4-phenylsulfonyl-o-tolyl)methanesulf-onamide; WL 43423. Herbicide for wild oat control. Registered by EPA as a herbicide (cancelled). Crystalline solid; mp = 142 - 144°; pKa = 2.5; soluble in H_2O (0.006 g/100 ml), Me_2CO (75 g/100 ml), C_6H_6 (1.1 g/100 ml), CH_2Cl_2 (16.2 g/100 ml), MeOH (60 g/100 ml). *ICI Chem. & Polymers Ltd.*

2920 Perfluoro(1-methyldecalin)

306-92-3 G



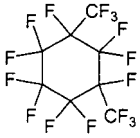
$C_{11}F_{20}$

Perfluoro-1-methyldecalin.

3-05-00-00269 (Beilstein Handbook Reference); BRN 2030021; EINECS 206-191-9; Flutec PP9; 1,1,2,2,3,3,4,4,4a,5,5,6,6,7,7,8,8a-Heptadecafluorodeca-hydro-8-(trifluoromethyl)naphthalene; Heptadecafluoro-decahydro-1-(trifluoromethyl)naphthalene; Naphthalene, heptadecafluorodecahydro-1-(trifluoromethyl)-; PP 9. A fluorinated hydrocarbon.

2921 Perfluoro-1,3-dimethylcyclohexane

335-27-3 G



C_8F_{16}

Decafluoro-1,3-bis(trifluoromethyl)cyclohexane.

Cyclohexane, decafluoro-1,3-bis(trifluoromethyl)-; Cyclo-hexane, 1,1,2,2,3,3,4,5,5,6-decafluoro-4,6-bis(trifluoro-methyl)-; Cyclohexane, perfluoro-1,3-dimethyl-; 1,1,2,2,3,3,4,5,5,6-Decafluoro-4,6-bis(trifluoromethyl)-cyclohexane; EINECS 206-386-9; Flutec PP3; Flutec PP3102; NSC 4782; Perfluoro(1,3-dimethylcyclohexane). A fluorinated hydrocarbon used in heat transfer. Liquid; mp ◘ -55°; bp = 101-102°; d = 1.8280.

2922 Perfluorohexane

355-42-0 G

C_6F_{14}

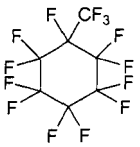
C_6F_{14}

Perfluoro-n-hexane.

AF0150; EINECS 206-585-0; Fluorinert FC72; Flutec PP1; Hexane, tetradecafluoro-; Perflexane; Perfluorohexane; Perfluoro-n-hexane; Tetradecafluorohexane; n-Tetra-decafluorohexane. A fluorinated hydrocarbon, used in heat transfer. Liquid; mp = -87.1°; bp = 56.6°; d^{20} = 1.6995; insoluble in H_2O, soluble in Et_2O, C_6H_6, $CHCl_3$.

2923 Perfluoromethylcyclohexane

355-02-2 G



C_7F_{14}

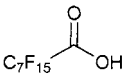
Tetradecafluoromethylcyclohexane.

Cyclohexane, 1-trifluoromethyl-1,2,2,3,3,4,4,5,5,6,6-undecafluoro-; Cyclohexane, undecafluoro(trifluoro-methyl)-; EINECS 206-573-5; Flutec PP2; NSC 4779; Perfluoro(methylcyclohexane); Tetradecafluoromethyl-cyclohexane;

Undecafluoro(trifluoromethyl)cyclohexane. A fluorinated hydrocarbon used in heat transfer. Liquid; mp = -44.7°; bp = 76.3°; d;ss25 = 1.7878; soluble in Me_2CO, C_6H_6, CCl_4, C_7H_8, EtOAc.

2924 Perfluorooctanoic acid

335-67-1 G



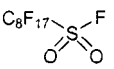
$C_8HF_{15}O_2$

Pentadecafluorooctanoic acid.

4-02-00-00994 (Beilstein Handbook Reference); AI3-19341; BRN 1809678; CCRIS 4386; EINECS 206-397-9; Fluorad® FC-26; Hexanoyl fluoride, 3,3,4,4,5,5,6,6,6-nonafluoro-2-oxo-; NSC 95114; Octanoic acid, penta-decafluoro-; Pentadecafluoro-1-octanoic acid; Pentadeca-fluoro-n-octanoic acid; Perfluorocaprylic acid; Perfluor-octanoic acid; Perfluoroheptanecarboxylic acid; Per-fluorooctanoic acid; PFOA. Intermediate for preparation of monomers and surfactants. Solid; mp = 59-60°; bp = 192°; soluble in H_2O (3.4 g/l), organic solvents. *3M Company.*

2925 Perfluorooctylsulfonyl fluoride

307-35-7 G H



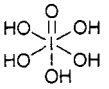
$C_8F_{18}O_2S$

Heptadecafluoro-1-octanesulfonyl fluoride.

EINECS 206-200-6; Fluorad® FX-8; Heptadecafluoro-octanesulphonyl fluoride; 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8, 8,8-Heptadecafluoro-1-octanesulfonyl fluoride; HSDB 5561; 1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6, 7,7,8,8,8-heptadecafluoro-; N-Perfluorooctanesulfonyl fluoride; Perfluorooctanesulfonyl fluoride. Intermediate for preparation of monomers and surfactants for textile treatment, paper sizes, inert fluids. Liquid; mp = -1°; bp = 154-155°; d = 1.8240. *3M.*

2926 Periodic acid

10450-60-9 7248 G



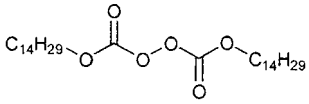
H_5IO_6

Periodic Acid Dihydrate.

EINECS 233-937-0; Orthoperiodic acid; Periodic acid; Periodic acid (H_5IO_6). Oxidizing agent, increases wet strength of paper, photographic paper. Used in organic synthesis. Monoclinic crystals; mp = 122°; soluble in H_2O (30 g/ml), less soluble in organic solvents. *Atomergic Chemetals; Blythe, Williams Ltd.; EM Ind. Inc.; Janssen Chimica; Spectrum Chem. Manufacturing.*

2927 Perkadox® 26-fl

53220-22-7 G



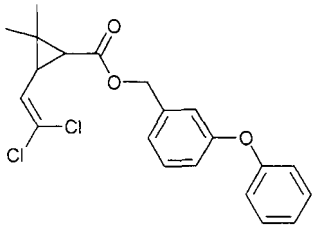
$C_{30}H_{58}O_6$

Dimyristyl peroxydicarbonate.

Ditetradecyl peroxydicarbonate; EINECS 258-436-4; Peroxydicarbonic acid, dimyristyl ester; Peroxydicarbonic acid, ditetradecyl ester. Catalyst, initiator. *Akzo Chemie.*

2928 Permethrin

52645-53-1 7257 G P



$C_{21}H_{20}Cl_2O_3$

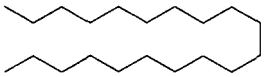
(±)-(cis,trans)-3-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate.

3768; Acticin; Adion; AI3-29158; Ambush; Ambushfog; Anomethrin N; Antiborer; Antiborer 3768; Atroban; Bematin 987; Bio Flydown; Biomist; BRN 2063148; BW-21-Z; Caswell No. 652BB; CCRIS 2001; Chinetrin; Cooper; Coopex; Corsair; Cosair; Cyclopropane-carboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,(3-phenoxyphenyl)methyl ester; Cyclopropanecarboxylic acid, 3-(2,2-dichlorovinyl)-2,2-dimethyl-, 3-phenoxy-benzyl ester, (±)-, (cis,trans)-; (±)-cis,trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate m-phenoxybenzyl; 3-(2,2-Dichloroethenyl)-2,2-dimethyl-cyclopropane carboxylic acid, (3-phenoxyphenyl) methyl ester; Diffusil H; Dragnet; Dragnet FT; Dragon; Ecsumin; Ectiban; Efmethrin; EINECS 258-067-9; Eksmin; Elimite; EPA Pesticide Chemical Code 109701; Epigon; Exmin; Expar; Exsmin; Flee; FMC 33297; FMC 41655; HSDB 6790; ICI-PP 557; Imperator; Indothrin; Insorbcid MP; Ipitox; JF 7065; Jureong; Kafil; Kaleait; Kavil; Kestrel; Kestrel (pesticide); Ketokil; Kudos; LE 79-519; Lyclear; m-Phenoxybenzyl (+1)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; m-Phenoxybenzyl (±)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb-oxylate; m-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (±)-3-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxyl-ate; 3-Phenoxy-benzyl(±)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethyl-cyclopropane-1-carboxylate; 3-Phenoxy-benzyl (1RS)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethyl-cyclopropanecarboxylate; 3-Phenoxybenzyl 2,2-dimethyl-3-(2,2-dichlorovinyl)cyclopropanecarboxylate; (3-Phenoxyphenyl)-methyl 3-(2,2-dichlorethenyl)-2,2-dimethylcyclopropane-carboxylate; Matadan; Mitin BC; MP79; NIA 33297; Nix; NRDC 143; OMS 1821; Outflank; Outflank-stockade; Perigen; Perigen W; Permanone; Permanone 10; Permanone 40; Permanone 80; Permasect; Permasect-25EC; Permethrin; Permethrin, racemic; Permethrine; Permethrinum; Permetrin; Permetrina; Permit; Permitrene; Persect; Perthrine; Pertox; Picket; Picket G; Pounce; PP 557; Pramex; Pynosect; Quamlin; Ridect Pour-On; S 3151; SBP-1513; SBP-1513TEC; SBP 15131TEC; Spartan; Stomoxi; Stomoxin; Stomoxin P; Stomozan;

Talcord; WL 43479. Non-systemic insecticide with contact and stomach action. Used for control of the larvae of lepidopterous and coleopterous insect pests in fruit and vegetable crops. Registered by EPA as an insecticide. Colorless crystals - pale yellow liquid; mp = 35°; $bp_{0.05}$ = 220°; d^{20}= 1.190 - 1.272; almost insoluble in H_2O (< 0.0001 g/100 ml), insoluble in ethylene glycol, soluble in xylene (> 86 g/100 ml), C_6H_{14} (> 66 g/100 ml), MeOH (20.6 g/100 ml), soluble in most other organic solvents; LD_{50} (frat orl) = 3801 mg/kg, (mrat orl) = 1500 mg/kg, (mrat 8-days old orl) = 340.5 mg/kg, (ckn orl) > 3000 mg/kg, (Japanese quail orl) > 13,500 mg/kg; LC_{50} (rat ihl) > 23.5 mg/l air, (rainbow trout 48 hr.) = 0.0054 mg/l, (bluegill sunfish) = 0.0018 mg/l; toxic to bees. *Am. Cyanamid; Bengal Products Inc.; Boehringer Ingelheim Vetmedica Inc.; Bonide Products, Inc.; Chemisco; Chem-Tech Ltd.; CLL Custom Manufacturing Inc.; Dragon Chemical Corp.; DVM Pharmaceuticals Inc.; Farnam Companies Inc.; FMC Corp.; Mclaughlin Gormley King Co; PBI/Gordon Corp; PET Chemicals; S.C. Johnson & Son, Co; Schering-Plough Veterinary Operations, Inc.; Speer Products Inc.; Sumitomo Corp.; Syngenta Crop Protection; Unicorn Laboratories; Valent Biosciences Corp.; Value Gardens Supply LLC; Virbac AH Inc.; Zeneca Pharm.*

2929 Permethyl 102A

93685-79-1 G



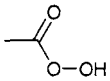
$C_{20}H_{42}$

Isoeicosane.

EINECS 297-627-7; Hydrocarbons, C4, 1,3-butadiene-free, polymd, pentaisobutylene fraction, hydrogenated. Isoeicosane, cosolubilizer for nonhydrocarbon materials; for skin care and sun care products; plasticizer for mascara. *Presperse.*

2930 Peroxyacetic acid

79-21-0 7229 G P



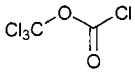
$C_2H_4O_3$

Monoperacetic acid.

4-02-00-00390 (Beilstein Handbook Reference); Acetic Peroxide; Acetyl Hydroperoxide; Acide peracetique; Acide peroxyacetique; Acido peroxiacetico; BRN 1098464; Caswell No. 644; CCRIS 686; Desoxon 1; EINECS 201-186-8; EPA Pesticide Chemical Code 063201; Estosteril; Ethaneperoxic acid; Ethaneperoxoic acid; HSDB 1106; Hydroperoxide, acetyl; Kyselina peroxyoctova; Monoperacetic acid; Osbon AC; Oxymaster; PAA; Peracetic acid; Peroxoacetic acid; Proxitane 4002. Registered by EPA as an antimicrobial, fungicide, herbicide and rodenticicide. A strong oxidizing agent, used in sewage treatment. Liquid with acrid odor; mp = -0.2°; bp = 110°; decomposes explosively at 110°; d^{15} = 1.226; freely soluble in H_2O, EtOH, Et_2O, H_2SO_4. *Degussa Ltd.; Diverseylever; Ecolab Inc.; Enviro Tech Chemical Services; FMC Corp.; Minntech Corp; Solvay Interox Inc.; Steris Corp.*

2931 Perstoff

503-38-8 3368 G



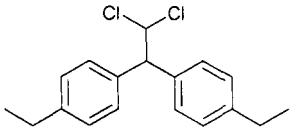
$C_2Cl_4O_2$

Trichloromethyl-chloroformate.

4-03-00-00033 (Beilstein Handbook Reference); BRN 0970225; Carbonochloridic acid, trichloromethyl ester; Difosgen; Diphosgen; Diphosgene; EINECS 207-965-9; Formic acid, chloro-, trichloromethyl ester; HSDB 371; Methanol, trichloro-, chloroformate; Perchloromethyl formate; Superpalite; Trichlormethylester kyseliny chlormravenci; Trichloromethyl chloroformate. A poison gas. Liquid; mp = -57°; bp = 128°; d^{14} = 1.6525; very soluble in EtOH, Et_2O.

2932 Perthane

72-56-0 G



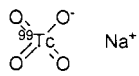
$C_{18}H_{20}Cl_2$

Diethyldiphenyldichloroethane.

4-05-00-01985 (Beilstein Handbook Reference); AI3-17082; Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-ethyl-; 1,1-Bis(ethylphenyl)-2,2-dichloroethane; 1,1-Bis(p-ethylphenyl)-2,2-dichloroethane; 2,2-Bis(p-ethylphenyl)-1,1-dichloroethane; BRN 2054366; Caswell No. 337; CCRIS 292; DDD; α,α-Dichloro-2,2-bis(p-ethylphenyl)-ethane; 1,1-Dichloro-2,2-bis(p-ethylphenyl)ethane; 1,1-Dichloro-2,2-bis(4-ethylphenyl)ethane; 2,2-Dichloro-1,1-bis(p-ethylphenyl)ethane; Di(p-ethylphenyl)dichloroethane; Diethyl-diphenyl dichloroethane; EINECS 200-785-1; ENT 17,082; EPA Pesticide Chemical Code 032101; Ethane, 1,1-dichloro-2,2-bis(p-ethylphenyl)-; Ethane, 2,2-bis(p-ethylphenyl)-1,1-dichloro-; Ethylan; HSDB 4009; NCI-C02868; Perthane; p,p'-Ethyl DDD; Q-137. An agricultural insecticide supplied as a wettable powder or emulsifiable concentrate; controls insects on plants and livestock; has a lower toxicity to both insects and mammals than its structural analogs, DDT and DDD, and is of moderate persistence in the environment; also used as a moth protection for textiles. First marketed in 1950 for use against houseflies and cloth moths, it has since been used on vegetables, pears, and livestock. Not a carcinogen. Solid; mp = 60-61°; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 6600 mg/kg. *Pillar.*

2933 Pertscan-99m

23288-60-0 8730 G



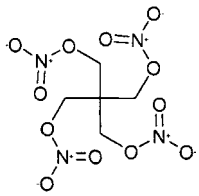
$NaO_4{}^{99m}Tc$

Sodium pertechnitate ^{99m}Tc.

MPI Tc 99m Generator; NeoTect; Pertechnetic acid ($H^{99m}TcO_4$), sodium salt; Pertscan-99m; Sodium pertechnetate ($Na^{99m}TcO_4$); Sodium pertechnetate (Tc-99M); Sodium pertechnetate ^{99m}Tc; Sodium pertechnetate Tc 99m; Ultra-Technekow FM. A radioactive agent. Used in brain scans, thyroid function tests. *Abbott Labs Inc.*

2934 PETN

78-11-5 7186 H



$C_5H_8N_4O_{12}$

Pentaerythritol tetranitrate.

4-01-00-02816 (Beilstein Handbook Reference); Angicap; Angitet; Antora; Arcotrate; Baritrate; BRN 1716886; C 2; Cardiacap; CCRIS 2387; CHot; CHOT; Deltrate 20; Dilcoran 80; Dipentrate; Duotrate; EINECS 201-084-3; EI PETN; Erinit; Erynitum; Extex; Hasethrol; HSDB 6313; Kaytrate; Lentrat; Lowetrate; LX 02-1; LX 08-0; LX 13; LX 16 (explosive); Martrate 45; Metranil; Mikardol; Miltrate; Mycardol; Myotrate 10; NA0150; NCI-C55743; Neo-corovas; Neopentanetetrayl nitrate; Niperyt; Niperyth; Nitrin; Nitrinal; Nitrine; Nitrinol; Nitro-Riletten; Nitrolong; Nitropent; Nitropenta; Nitropenta 7W; Nitropentaerythrite; Nitropentaerythritol; Nitropenton; Nitrotalans; PBXN 301; Pen-Tetra; Pencard; Penta; Pentaerithrityl tetranitrate; Pentaerithrityli tetranitras; Pentaeritrile tetranitrato; Pentaerythrite tetranitrate; Pentaerythritol nitrate; Pentaerythritol tetranitrate; Pentaerythritylium tetranitricum; Pentafin; Pentanitrine; Pentanitrol; Pentanitrolum; Pentarit; Pentestan-80; Pentetrate unicelles; Penthrit; Penthrite; Pentitrate; Pentral 80; Pentrate; Pentriol; Pentrite; Pentritol; Pentritol Tempules; Pentryate; Pentryate 80; Pergitral; Peridex; Peridex-LA; Peritrate; Perityl; PETN; Prevangor; Quintrate; Rythritol; SDM No. 23; SDM No. 35; Subicard; Tanipent; Tentrate-20; Terpate; Tetranitrate de pentaerithrityle; Tetranitrato de pentaeritritilo; Tetranitropentaerythrite; Tetrasule; Tranite D-lay; UN0411; Vasitol; Vaso-80; Vaso-80 unicelies; Vasodiatol; Vasolat; XTX 8003. Explosive used in Primacord® detonating fuse. Diluted with, for example, lactose, used medically as a vasodilator to treat angina pectoris. Solid; mp = 140.5°; d^{20} = 1.773; slightly soluble in H_2O, MeOH, EtOH, Et_2O, more soluble in Me_2CO, C_6H_6, C_7H_8, C_5H_5N. *EMS-Dottikon AG.*

2935 Petrolatum, liquid

8009-03-8 D H

Petrolatum.

A+D Original Ointment; Adepsine oil; Alboline; Carrafoam Incontinence Skin Care Kit; Carraklenz Incontinence Skin Care Kit; Caswell No. 645A; Clearteck; Cosmoline; Cream white; Drakeol; EINECS 232-373-2; EPA Pesticide Chemical Code 598400; Extra amber; Glymol; Hevyteck; HSDB 1138; Kaydol; Kremol; liquid paraffin; mineral oil; Mineral fat; Mineral grease (petrolatum); Mineral jelly; Mineral wax; Moisture Barrier Cream with Zinc; Moisture Barrier Cream; Moisture Guard; Nujol; Paraffin jelly; Paraffin oil; Paroleine; Pennsoline soft yellow; Penreco white; Perfecta; Petrolatum; Petrolatum amber; Petrolatum USP; Petrolatum white; Petrolatum, yellow; Petroleum jelly; Preparation H Cream; Preparation H Ointment; Protopet, alba; Protopet, white 1S; Protopet, white 2L; Saxol; Saxoline; Snow white; Stanolind; Ultima white; Vaseline; Vasoliment; white mineral oil; White petrolatum USP; White petroleum jelly; White protopet; White vaseline; Yellow petrolatum. Used as a laxative-cathartic. d (light oil) = 0.83 - 0.86; d (heavy oil) = 0.875 - 0.905; insoluble in H_2O, EtOH; soluble in C_6H_6, $CHCl_3$, Et_2O, CS_2, petroleum ether, oils.

2936 Petroleum distillates

8002-05-9 H

Petroleum distillates Naphtha, Rubber Solvent.

BASE oil; Caswell No. 632A; Coal oil [Oil, misc.]; Crankcase oil, used mineral-based; Crankcase Oil, Used; Crude oil; Crude oils; Crude petroleum; EINECS 232-298-5; EPA Pesticide Chemical Code 063503; Mineral oils, highly-refined oils [Mineral oils]; Naphtha; Oil, crude; Paraffinic oil; Petroleum; Petroleum crude; Petroleum crude oil [Flammable liquid]; Petroleum distillate; Petroleum distillates; Petroleum distillates, n.o.s. or petroleum products, n.o.s.; Rock oil; Rubber solvent; Seneca oil; UN1267; UN1268; Used Mineral-based Crankcase Oil; Virol.

2937 Petroleum sulfonates

61789-85-3 H

Sulfonic acids, petroleum.

Caswell No. 647B; EINECS 263-092-3; EPA Pesticide Chemical Code 598500; Petrolatum acid sulfonate; Petroleum sulfonates; Sulfonic acids, petroleum.

2938 Petroleum sulfonic acids, calcium salts

61789-86-4 H

Sulfonic acid, petroleum, calcium salt.

Calcium petroleum sulfonate; EINECS 263-093-9; Petroleum sulfonic acids, calcium salts; Sulfonic acid, petroleum, calcium salt.

2939 Petroleum sulfonic acids, magnesium salts

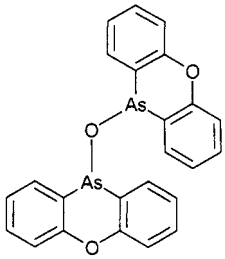
61789-87-5 H

Sulfonic acid, petroleum, magnesium salt.

EINECS 263-094-4; Sulfonic acids, petroleum, magnesium salts.

2940 Phenarsazine oxide

58-36-6 7030 G P



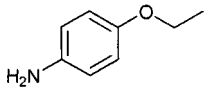
$C_{24}H_{16}As_2O_3$

10-10' Oxybisphenoxyarsine.

2-27-00-00948 (Beilstein Handbook Reference); Bis(10-phenoxarsinyl)oxide; 10,10'-Bis(phenoxyarsinyl) oxide; Bis(phenoxarsin-10-yl) ether; BRN 0055641; DID 47; Diphenoxarsin-10-yl oxide; Durotex; EINECS 200-377-3; HSDB 6375; OBPA; 10,10'-Oxidiphenoxarsine; 10,10'-Oxybis-10H-phenoxarsine; 10H-Phenoxarsine, 10,10'-oxybis-; Phenarsazine oxide; Phenoxaksine oxide; Phenoxarsine, 10,10'-oxydi-; SA 546; Vinadine; Vinyzene; Vinyzene (pesticide); Vinyzene BP 5; Vinyzene BP 5-2; Vinyzene SB 1. Condensation product of epoxidized soy bean oil and 10, 10'-oxybisphenoxyarsine; used as a fungicide and bactericide, particularly in consumer plastics such as shower curtains, wall coverings and upholstery. Solid; mp= 184-185°; d = 1.41; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 35. mg/kg. *Morton Intn'l.; Rohm & Haas Co.; Rohm & Haas UK.*

2941 Phenetidine

156-43-4 7307 G H



$C_8H_{11}NO$

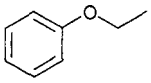
p-Ethoxyaniline.

4-13-00-01017 (Beilstein Handbook Reference); AI3-09042; 4-

Aminoethoxybenzene; 4-Aminophenetole; Aniline, p-ethoxy-; Benzenamine, 4-ethoxy-; BRN 0606666; CCRIS 2878; CP 5685; EINECS 205-855-5; 4-Ethoxyaniline; 4-Ethoxybenzenamine; Ethyl p-aminophenol; p-Fenetidin; NSC 3116; p-Phenetidin; p-Phenetidine; Phenetidine. An antipyretic. Used in the manufacture of acetophenetidin. Liquid; mp = 3°; bp = 253-255°; d^{16}= 1.0652; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 540 mg/kg.

2942 Phenetole

103-73-1 7308 G



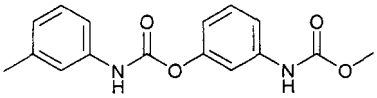
$C_8H_{10}O$

Ethoxy benzene.

AI3-05616; Benzene, ethoxy; EINECS 203-139-7; Ether, ethyl phenyl; Ethoxybenzene; Ethyl phenyl ether; HSDB 112; NSC 406706; Phenetol; Phenetole; Phenyl ethyl ether. Liquid; mp = -29.5°; bp = 169.8°; d^{w20} = 0.9651; λ_m = 220, 271, 278 nm (ε = 6400, 1400, 1190, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, CCl_4; LD_{50} (mus orl) = 2200 mg/kg.

2943 Phenmedipham

13684-63-4 7317 G P



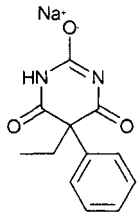
$C_{16}H_{16}N_2O_4$

3-[(Methoxycarbonyl)amino]phenyl (3-methylphenyl)-carbamate.

Beta; Betaflow; Betalion; Betamix; Betanal; Betanal E; Alegro; Beetomax; Beetup; Betosip; BRN 2395027; Carbamic acid, (3-methylphenyl)-, 3-((methoxycarbonyl)-amino)phenyl ester; Carbanilic acid, m-hydroxy-, methyl ester, m-methylcarbanilate; 3-(Carbomethoxyamino)-phenyl 3-methylcarbanilate; Caswell No. 648B; CCRIS 6091; EINECS 237-199-0; EP-452; EPA Pesticide Chemical Code 098701; Fender; Fenmedifam; Goliath; Gusto; HSDB 1402; Kemifam; m-Hydroxycarbanilic acid methyl ester m-methylcarbanilate; Medipham; Methyl 3-(3-methylcarbaniloyloxy)carbanilate; 3-(Methylphenyl)-carbamic acid 3-phenyl ester; Morton EP 452; Phenmedipham; Phenmediphame; Pistol; Protrum K; Protrum K SN 38584; S 4075; Schering 4072; Schering 38584; SN-38584; SN 4075; Spin-Aid; Spn-aid; Suplex; Synbetan P; Vangard. Selective systemic herbicide, absorbed through the leaves, inhibits photosynthesis. Used for post-emergence control of annual broad-leaved weeds in sugar beet, fodder beet, beetroot, mangels, spinach and strawberries. Selective systemic herbicide, absorbed through the leaves, inhibits photosynthesis. Used for post-emergence control of annual broad-leaved weeds in sugar beet, fodder beet, beetroot, mangels, spinach and strawberries. Registered by EPA as a herbicide. Colorless crystals; mp = 143 - 144°; soluble in H_2O (< 0.00047 g/100 ml at 25°), Me_2CO (20 g/100 ml), cyclohexanone (20 g/100 ml), MeOH (5 g/100 ml), $CHCl_3$ (2 g/100 ml), C_6H_6 (0.25 g/100 ml), C_6H_{14} (0.05 g/100 ml); LD_{50} (rat, mus orl) > 8000 mg/kg, (gpg, dog orl) > 4000 mg/kg, (rat ip) > 5000 mg/kg, (ckn orl) > 3000 mg/kg, (mallard duck orl) = 2100 mg/kg; LC_{50} (mallard duck, bobwhite quail 8 day dietary)> 10000 mg/kg diet, (harlequin fish 96 hr.) = 16.5 mg/l (15.9% formulation); non-toxic to bees. *ABM Chemicals Ltd.; Atlas Interlates Ltd; Aventis Crop Science; Farmers Crop Chemicals Ltd.; Fine Agrochemicals Ltd.; MTM AgroChemicals Ltd.; Rhone-Poulenc UK; SBC Technology Ltd.; Schering Agrochemicals Ltd.; Universal Crop Protection Ltd.*

2944 Phenobarbital sodium

57-30-7 7319 D G



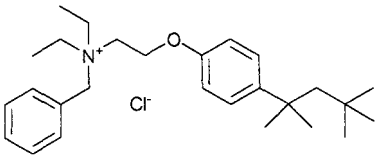
$C_{12}H_{11}N_2NaO_3$

5-Ethyl-5-phenylbarbituric acid sodium salt.

Barbituric acid, 5-ethyl-5-phenyl-, sodium salt; CCRIS 503; EINECS 200-322-3; 5-Ethyl-5-phenyl-2,4,6-(1H,3H,5H)pyrimidinetrione monosodium salt; Fenobarbital natrium; Fenobarbital sodico; Gardenal sodium; Linasen; Luminal sodium; Phenemalnatrium; Phenemalum; Phenobal sodium; Phenobarbital elixir; Phenobarbital Na; Phenobarbital sodique; Phenobarbital sodium; Phenobarbital sodium salt; Pheno-barbitalnatrium; Phenobarbitalum natricum; Pheno-barbiton-natrium; Phenobarbitone sodium; Pheno-barbitone sodium salt; Phenyl-aethyl-barbitursaeure natrium; Phenyl-äthyl-barbitursäure natrium; Phenyl-ethylbarbituric acid, sodium salt; 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-ethyl-5-phenyl-, monosodium salt; Sodium 5-ethyl-5-phenylbarbiturate; Sodium luminal; Sodium phenobarbital; Sodium phenobarbitone; Sodium phenobarbiturate; Sodium phenylethylbarbiturate; Sodium phenylethylmalonylurea; Sol phenobarbital; Sol phenobarbitone; Soluble phenobarbital; Soluble phenobarbitone. A sedative, hypnotic and anticonvulsant. Used as a hypnotic, may be habit forming; a controlled substance. Hygroscopic crystals or white powder; soluble in H_2O (100g/100 ml), EtOH (10g/100ml), insoluble in Et_2O, $CHCl_3$; pH9.3; LD_{50} (rat orl) = 660mg/kg. *Rhône Poulenc Rorer.*

2945 Phenoctide

78-05-7 7322 G



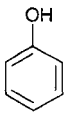
$C_{27}H_{42}ClNO$

Benzyldiethyl-2-(p-(1,1,3,3-tetramethylbutyl)phenoxy)-ethylammonium chloride.

Benzyldiethyl(2-(4-(1,1,3,3-tetramethylbutyl)phenoxy)-ethyl)ammonium chloride; EINECS 201-078-0; Octafonii chloridum; Octafonium chloride; Octaphen; Octa-phonium chloride; Phenoctidiumchlorid. Used as a topical anti-infective and as a source of its orthophosphate, a lubricant. Solid; mp = 112-114°.

2946 Phenol

108-95-2 7323 G P



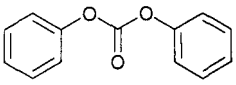
C_6H_6O

Carbolic acid.

Acide carbolique; AI3-01814; Anbesol; Baker's P & S liquid & Ointment; Baker's P and S Liquid and Ointment; Benzene, hydroxy-; Benzenol; Campho-Phenique Cold Sore Gel; Campho-Phenique Gel; Campho-Phenique Liquid; Carbolic acid; Carbolic oil; Carbolsaure; Caswell No. 649; CCRIS 504; EINECS 203-632-7; EPA Pesticide Chemical Code 064001; FEMA No. 3223; Fenol; Fenolo; HSDB 113; Hydroxybenzene; Izal; Liquid phenol; Monohydroxybenzene; Monophenol; NCI-C50124; NSC 36808; Oxybenzene; Paoscle; Phenic acid; Phenol; Phenole; Phenyl alcohol; Phenyl hydrate; Phenyl hydroxide; Phenylic acid; Phenylic alcohol; PhOH; RCRA waste number U188; UN 2812 (solution); UN 1671 (solid); UN 2312 (molten). Solvent and chemical intermediate. Used in rubber manufacture, solvents, in phenolic resins. Registered by EPA as an antimicrobial and disinfectant. In trade, the term carbolic acid is used for pure phenol, the cresols and their mixtures with phenol, and also for crude tar oils. Crystals; mp = 40.9°; bp = 181.8°; d^{45} = 1.0545; λ_m = 264, 270, 277 nm (MeOH); soluble in H_2O (6.6 g/100 ml), C_6H_6 (8.3 g/100 ml); very soluble in EtOH, $CHCl_3$, Et_2O, CS_2; insoluble in petroleum ether; LD_{50} (rat orl) = 530 mg/kg. *Robins, A. H. Co.,; Sterling Health U.S.A.; Whitehall Labs. Inc.*

2947 Phenol Carbonate

102-09-0 7363 G



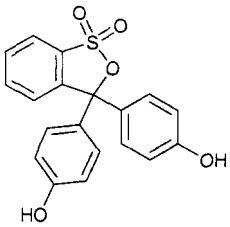
$C_{13}H_{10}O_3$

Carbonic acid diphenyl ester.

4-06-00-00629 (Beilstein Handbook Reference); AI3-00063; BRN 1074863; Carbonic acid, diphenyl ester; Diphenyl carbonate; EINECS 203-005-8; HSDB 5346; NSC 37087; Phenyl carbonate; Phenyl carbonate ($(PhO)_2CO$). Solvent for nitrocellulose, resins, lacquers, baking finishes. Lustrous needles; mp = 83°; bp = 306°; bp_{15} = 168°; insoluble in water; soluble in EtOH, Et_2O, CCl_4, AcOH. *Degussa-Hüls Corp.; Eastman Chem. Co.; MTM Spec. Chem. Ltd.; Penta Mfg.*

2948 Phenol red

143-74-8 7329 G



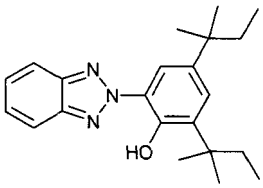
$C_{19}H_{14}O_5S$

Phenol-sulfonphthalein.

5-19-03-00457 (Beilstein Handbook Reference); 3H-2,1-Benzoxathiole, 3,3-bis(4-hydroxyphenyl)-, 1,1-dioxide; 4,4'-(3H-2,1-Benzoxathiol-3-ylidene)diphenol S,S-diox-ide; BRN 0326470; EINECS 205-609-7; Fenolipuna; NSC 10459; Phenol, 4,4-(3H-2,1-benzoxathiol-3-ylidene)di-, S-S-dioxide; Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxa-thiol-3-ylidene)bis-; Phenol Red; Phenolsulfonphthalein; Phenolsulphonphthalein; PSP; PSP (indicator); Sulfonphthal; Sulphental; Sulphonthal. Used as an acid-base indicator; diagnostic reagent medicine and laboratory reagent. Crystals; mp >300°; λ_m = 236, 268, 416, 509 nm (ε = 19500, 6830, 5330, 2990, MeOH); soluble in KOH solution, slightly soluble in H_2O (0.08 g/100 ml), EtOH, Me_2CO, C_6H_6, insoluble in Et_2O, $CHCl_3$; LD_{50} (rat orl) >600 mg/kg.

2949 Phenol, 2-(2H-benzotriazol-2-yl)-4,6-di-t-pentyl-

25973-55-1 H



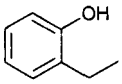
$C_{22}H_{29}N_3O$

Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethyl-propyl)-.

2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol; EINECS 247-384-8; Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-; Phenol, 2-(2H-benzotriazol-2-yl)-4,6-di-t-pentyl-.

2950 Phenol, 2-ethyl-

90-00-6 3871 G H



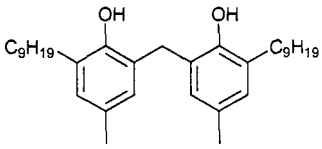
$C_8H_{10}O$

o-Ethylphenol.

4-06-00-03011 (Beilstein Handbook Reference); Benzene, 1-ethyl-2-hydroxy-; BRN 1099397; CCRIS 6038; EINECS 201-958-4; o-Ethylphenol; Florol; HSDB 5267; NSC 10112; Phenol, 2-ethyl-; Phenol, o-ethyl-; Phlorol. Organic intermediate. Liquid; mp ■ 18°; bp = 204.5°; d^{25} = 1.0146; soluble in EtOH, Me_2CO, Et_2O, C_6H_6; LD_{50} (mus orl) = 600 mg/kg.

2951 Phenol, 2,2'-methylenebis(4-methyl-6-nonyl-

7786-17-6 H



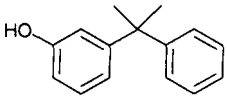
$C_{33}H_{52}O_2$

p-Cresol, 2,2'-methylenebis(6-nonyl-.

EINECS 232-092-5; 2,2'-Methylenebis(6-nonyl-p-cresol); 2,2'-Methylenebis(6-nonyl-4-methylphenol); Nauga White; Naugawhite; Noclizer NS 90; NSC 111145.

2952 Phenol, (1-methyl-1-phenylethyl)-

27576-86-9 H



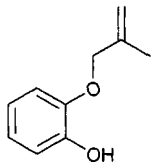
$C_{15}H_{16}O$

(1-Methyl-1-phenylethyl)phenol.

EINECS 248-539-2; (1-Methyl-1-phenylethyl)phenol; Phenol, (1-methyl-1-phenylethyl)-.

2953 Phenol, 2-((2-methyl-2-propenyl)oxy)-

4790-71-0 H



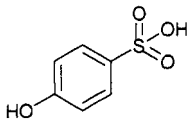
$C_{10}H_{12}O_2$

2-((2-Methyl-2-propenyl)oxy)phenol.

2-((2-Methyl-2-propenyl)oxy)phenol; Phenol, 2-((2-methyl-2-propenyl)oxy)-.

2954 Phenolsulfonic acid

1333-39-7 G H



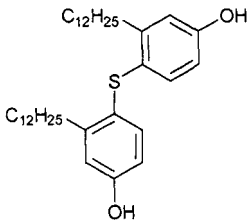
$C_6H_6O_4S$

Hydroxy benzenesulfonic acid.

Benzenesulfonic acid, hydroxy-; Caswell No. 650; EINECS 215-587-0; Eltesol® PSA 65; EPA Pesticide Chemical Code 064102; HSDB 5818; Hydroxy-benzenesulfonic acid; Hydroxybenzenesulphonic acid; Phenolsulfonic acid; Phenolsulphonic acid; Sulfocarbolic acid; UN1803. Mixture of o, m and p-isomers. Catalyst for foundry resins; descaling agent for metal cleaning; anti-stress additive and plating aid in electroplating bath; curing aid in the plastics industry; raw material in the manufacture of dyes and pigments; detergents industry; pharmaceutical chemicals. *Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.*

2955 Phenol, thiobis[tetrapropylene-

68815-67-8 H



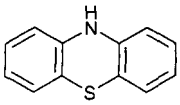
$C_{36}H_{58}O_2S$

Thiobis(tetrapropylenephenol).

EINECS 272-388-1; Phenol, thiobis(tetrapropylene-; Thiobis((tetrapropylene)phenol); Thiobis(tetrapropylene-phenol).

Phenothiazine

92-84-2 7335 G V



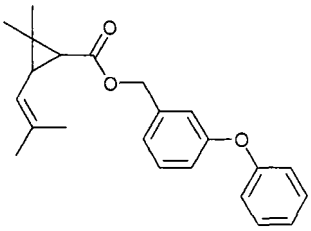
$C_{12}H_9NS$

Dibenzothiazine.

4-27-00-01214 (Beilstein Handbook Reference); AFI-Tiazin; Agrazine; AI3-00038; Antiverm; Biverm; BRN 0143237; Caswell No. 652; CCRIS 5877; Contaverm; Contavern; contraverm; Dibenzo-1,4-thiazine; Dibenzo-p-thiazine; Dibenzoparathiazine; Dibenzothiazine; Early bird wormer; EINECS 202-196-5; ENT 38; EPA Pesticide Chemical Code 064501; Feeno; Fenothiazine; Fenotiazina; Fenoverm; Fentiazin; Fentiazine; Helmetina; Helmetine; HSDB 5279; Lethelmin; Nemazene; Nemazine; Nexarbol; NSC 2037; Orimon; Padophene; Penthazine; Phenegic; Phenosan; Phenothiazine; 10H-Phenothiazine; Phenothiazinum; phenothiazone; Phenovarm; Phenoverm; Phenovis; Phenoxur; Phenthiazine; Phenthiazinum; Phenzeen; Reconox; Souframine; Thiodifenylamine; Thiodiphenylamin; Thiodiphenylamine; Tiodifeniiamina; Vermitin; Wurm-thional; XL-50. Insecticide and intermediate in chemical and pharmaceutical synthesis. Used in veterinary medicine as an anthelmintic. Yellow prisms; mp = 187.5°; bp = 371°; $bp_{26.6}$ = 235°; λ_m = 254, 318 nm (MeOH); insoluble in H_2O, soluble in Me_2CO, C_6H_6, Et_2O, EtOH; LD_{50} (mus orl) = 5 g/kg.

2957 Phenothrin

26002-80-2 7336 G P



$C_{23}H_{26}O_3$

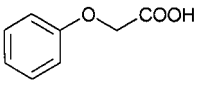
(±)-3-Phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate.

AI3-29062; Anchimanaito 20S; Anvil; Anvil 2+2 ULV; Anvil 10+10 ULV; Benzyl alcohol, m-phenoxy-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylate; Caswell No. 652B; CCRIS 2502; Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 3-(phenoxy-phenyl)methyl ester, cis,trans-(±)-; Cyclopropane-carboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 3-(phenoxyphenyl)methyl ester; Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methylpropenyl)-, m-phenoxy-benzyl ester; 2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclo-propanecarboxylic acid (3-phenoxyphenyl)methyl ester; 2,2-Dimethyl-3-(2-methylpropenyl)cyclopropane-carboxylic acid m-phenoxybenzyl ester; Duet; EINECS 247-404-5; ENT 27 972; EPA Pesticide Chemical Code 069005; Fenothrin; Fenotrina; Forte; HSDB 3922; Multicide 2154; Multicide Concentrate F-2271; OMS 1809; OMS 1810; Phenothrin; d-Phenothrin; Phenothrine; Phenothrinum; 3-Phenoxybenzyl chrys-anthemate; 3-Phenoxybenzyl (±)-cis,trans-chrysanth-emate; 3-Phenoxybenzyl (1R)-cis/trans chrysanthemate; 3-Phenoxybenzyl (1RS)-cis,trans-chrysanthemate; 3-Phenoxybenzyl (1RS)-cis,trans-2,2-dimethyl-3-(2-methyl-prop-1-enyl)cyclopropanecarboxylate; m-Phenoxybenzyl (±)-cis,trans-2,2-dimethyl-3-(2-methylpropenyl)-cyclopropanecarboxylate; 3-Phenoxybenzyl 2-dimethyl-3-(methylpropenyl)cyclopropanecarboxylate; 3-Phenoxy-benzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopro-p-anecarboxylate; 3-Phenoxybenzyl ester of DL-cis-trans-chrysanthemum monocarboxylic acid; 3-Phenoxybenzyl (1RS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; (3-Phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate; Phenoxythrin; Pibutin; PT 515; S-2539; Solo; Solo (insecticide); Sumithrin; Sumitrin; Wellcide. Non-systemic insecticide with rapid knockdown action. Used for control of insect pests, including mosquitoes in public health and in stored grain. Mixture of isomers. Registered by EPA as an insecticide. Supplied as a mixture of isomers; pale yellow liquid; bp > 290°; d_{25}^{25} =

1.06; insoluble in H_2O (< 0.0002 g/100 ml), soluble in MeOH, Me_2CO, C_6H_{14}, xylene (all > 80 g/100 ml); LD_{50} (rat orl) = 300 - 400 mg/kg, (mus orl) = 350 - 400 mg/kg, (dog orl) > 500 mg/kg, (gpg orl) = 400 mg/kg, (rbt orl) = 210 mg/kg, (rat der) = 2100 mg/kg, (mus der) > 5000 mg/kg, (pheasant orl) = 218 mg/kg, (quail orl) = 300 mg/kg, (bee) = 0.00012 mg/bee; LC_{50} (guppy 96 hr.) = 0.69 mg/l, (goldfish 96 hr.) = 2.9 mg/l; toxic to bees. *Hartz Mountain Products Corp.; Mclaughlin Gormley King Co; S.C. Johnson & Son, Co; Sergeant's Pet Products; Speer Products Inc.; Sumitomo Corp.; Summit Chemical Co.; Value Gardens Supply LLC; Whitmire Micro-Gen Research Laboratories Inc; ZEP Manufacturing Co.*

2958 Phenoxyacetic acid

122-59-8 7338 G



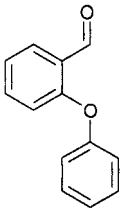
$C_8H_8O_3$

Phenoxyethanoic acid.

4-06-00-00634 (Beilstein Handbook Reference); Acetic acid, phenoxy-; Acide phenoxyacetique; AI3-06295; BRN 0907949; CCRIS 7275; EINECS 204-556-7; FEMA No. 2872; Glycol acid phenyl ether; Glycolic acid phenyl ether; Glycollic acid phenyl ether; NSC 9810; Phenoxy-acetic acid; Phenoxyethanoic acid; Phenylglycolic acid, O-; o-Phenylglycolic acid; POA. Intermediate for dyes, pharmaceuticals, pesticides, other organics, fungicides, flavoring, laboratory reagent, precursor in antibiotic fermentations especially penicillin V. Needles or plates; mp = 98.5°; bp = 285° (dec); soluble in H_2O (13 mg/ml), very soluble in EtOH, Et_2O, C_6H_6, CS_2, AcOH; LD_{50} (rat orl) = 1500 mg/kg. *Am. Xyrofin; Chemie Linz N. Am.; Great Lakes Fine Chem.; Lancaster Synthesis Co.; Penta Mfg.*

2959 m-Phenoxybenzaldehyde

39515-51-0 H



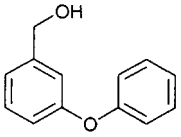
$C_{13}H_{10}O_2$

3-Phenoxybenzaldehyde.

4-08-00-00242 (Beilstein Handbook Reference); Benzaldehyde, 3-phenoxy-; BRN 0511662; EINECS 254-487-1; m-(Phenyloxy)benzaldehyde; 3-Phenoxybenz-aldehyde; m-Phenoxybenzaldehyde.

2960 m-Phenoxybenzyl alcohol

13826-35-2 H



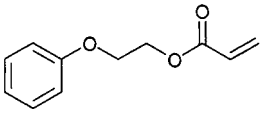
$C_{13}H_{12}O_2$

3-(Hydroxymethyl)diphenyl ether.

3-06-00-04545 (Beilstein Handbook Reference); Benzenemethanol, 3-phenoxy-; Benzyl alcohol, m-phenoxy-; BRN 0475312; EINECS 237-525-1; 3-(Hydroxymethyl)diphenyl ether; 3-Phenoxybenzene-methanol; 3-Phenoxybenzyl alcohol; m-Phenoxybenzyl alcohol; 3-Phenoxybenzylic alcohol; (3-Phenoxy-phenyl)methanol.

2961 Phenoxyethyl acrylate

48145-04-6 G



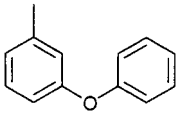
$C_{11}H_{12}O_3$

2-Phenoxyethyl acrylate.

3-06-00-00572 (Beilstein Handbook Reference); Acrylic acid, 2-phenoxyethyl ester; Ageflex PEA; AI3-03194; BRN 2102773; Chemlink 160; Ebecryl 110; EINECS 256-360-6; Ethanol, 2-phenoxy-, acrylate; Light ester PO-A; Melcril 4087; 2-Phenoxyethanol acrylate; Phenoxyethyl acrylate; 2-Phenoxyethyl acrylate; Phenyl cellosolve acrylate; POA; 2-Propenoic acid, 2-phenoxyethyl ester; R 561; SR 339. UV-curable reactive diluent in inks and coatings, adhesives, viscosity index improver, tile coating. Supplied with 100 ppm HQ inhibitor; high boiling monomeric ester of acrylic acid; polymerization initiated by heat, catalysis, and/or radiation; copolymerization with other acrylic-type monomers is easily achieved; curing agent. Liquid; bp_2 = 110°; d^{20}_{20} = 1.090; very soluble in Me_2CO, Et_2O, $CHCl_3$; flash pt. 90°. CPS Chemical Co. Inc.

2962 m-Phenoxytoluene

3586-14-9 H



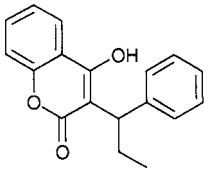
$C_{13}H_{12}O$

1-Methyl-3-phenoxybenzene.

4-06-00-02041 (Beilstein Handbook Reference); Benz-ene, 1-methyl-3-phenoxy-; BRN 2045714; EINECS 222-716-4; Ether, phenyl m-tolyl-; 1-Methyl-3-phenoxy-benzene; 3-Methyldiphenyl ether; 3-Methylphenyl phenyl ether; m-Methylphenyl phenyl ether; 3-Phenoxytoluene; m-Phenoxytoluene; Phenyl m-tolyl ether. Liquid; bp ◘ 272°; d^{25} ◘ 1.051.

2963 Phenprocoumon

435-97-2 7344 D G



$C_{18}H_{16}O_3$

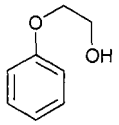
3-(α-Ethylbenzyl)-4-hydroxycoumarin.

5-18-02-00343 (Beilstein Handbook Reference); BRN 1291115; EINECS 207-108-9; Falithrom; Fencumar; Fenprocoumona; Fenprocumone; HSDB 3248; Liquamar; Marcoumar; Marcumar; Phenprocoumarol; Phenpro-coumarole; Phenprocoumon; Phenprocoumone; Phen-procoumonum; Phenprocumonum; Ro 1-4849. Used as an anticoagulant. Crystals; mp = 179-180°.

Hoffmann-LaRoche Inc.; Organon Inc.

2964 Phenyl cellosolve

122-99-6 7341 D G H



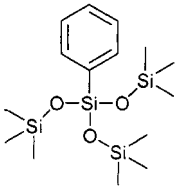
$C_8H_{10}O_2$

2-Phenoxyethyl alcohol.

4-06-00-00571 (Beilstein Handbook Reference); AI3-00752; Arosol; BRN 1364011; Dowanol EP; Dowanol EPH; EGMPE; EINECS 204-589-7; Emeressence® 1160; Emeressence® 1160 Rose Ether; Emery 6705; Ethanol, 2-phenoxy-; Ethylene glycol phenyl ether; Fenyl-cellosolve; Fenylcelosolv; Glycol monophenyl ether; HSDB 5595; Igepal® Cephene Distilled; NSC 1864; Phenoxethol; Phenoxetol; Phenoxyethanol; 2-Fenoxyethyl alcohol; 2-Phenoxyethyl alcohol; Phenoxytol; Phenyl cellosolve; Phenylmonoglycol ether; Plastiazan-41; Rewopal® MPG 10; Rose ether. Solvent, surfactant and solubilizer for preservatives. Cosmetic preservative; effective against gram negative microorganisms. Liquid; mp = 14°; bp = 245°; d^{22} = 1.102; λ_m ■ 220, 271, 277 nm (ε ■ 7740, 1690, 1420, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, alkali; LD_{50} (rat orl) = 1260 mg/kg, 960 mg/kg. *Henkel/Emery; Rewo; Rhône Poulenc Surfactants.*

2965 Phenyl dimethicone

2116-84-9 G



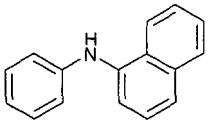
$C_{15}H_{32}O_3Si_4$

Methyl phenyl polysiloxane.

Abil® AV 8853, 20-1000; EINECS 218-320-6; Emalex MTS-30E; 1,1,5,5,5-Hexamethyl-3-phenyl-3-((trimethyl-silyl)oxy)trisiloxane; Methyl phenyl polysiloxane; Phenyl trimethicone; Phenyl trimethyl siloxane; Phenyl-tris(trimethylsiloxyl)silane; Polyphenylmethyl siloxane; Trisiloxane, 1,1,1,5,5,5-hexamethyl-3-phenyl-3-((trimethylsilyl)oxy)-. Emollient providing skin protection; barrier against aqueous media; perfumery ingredient and fixative; provides improved rub and spreadability; faster penetration; non-sticky; prevents Aerosol® clogging. Oil-phase cosmetic ingredient for alcoholic milky-white lotions. *Goldschmidt; Nihon Nohyaku Co. Ltd.*

2966 N-Phenyl-1-naphthylamine

90-30-2 G H



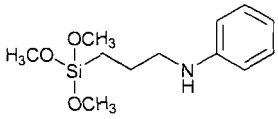
$C_{16}H_{13}N$

1-Naphthalenamine, N-phenyl-.

4-12-00-03015 (Beilstein Handbook Reference); Aceto PAN; Additin 30; AI3-00528; Akrochem® Antioxidant PANA; Amoco 32; Antigene PAN; Antioxidant PAN; BRN 2211174; C.I. 44050; CCRIS 4701; EINECS 201-983-0; Fenyl-α-naftylamin; Naugard® PANA; Neozone A; Nonox A; NSC 2622; PANA; Phenyl-1-naphthylamine; N-Phenyl-1-naphthylamine; Phenylnaphthylamine; Vulka-nox PAN. Antioxidants for the mineral oil industries; gum inhibitor and staining antioxidant for rubber technical goods and heavily stressed goods, antiflexcracking under dynamic stress; antiflexing agent for NR and IR; storage stabilizer for petroleum products. mp ■ 60-62°; bp_{15} = 226°; d = 1.2; insoluble in H_2O, soluble in C_6H_6, Me_2CO, CCl_4, EtOAc, EtOH, CH_2Cl_2; LD_{50} (rat orl) ■ 1625 mg/kg. *Akrochem Chem. Co.; Bayer AG; Uniroyal.*

2967 N-Phenylaminopropyltrimethoxysilane

3068-76-6 G



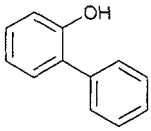
$C_{12}H_{21}NO_3Si$

N-(3-(Trimethoxysilyl)propyl)aniline.

Benzenamine, N-(3-(trimethoxysilyl)propyl)-; CP0156; EINECS 221-328-2; N-(γ-(Trimethoxysilyl)propyl)aniline. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

2968 o-Phenylphenol

90-43-7 7388 G P



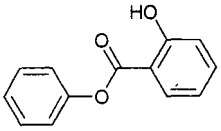
$C_{12}H_{10}O$

Hydroxy-2-phenylbenzene.

4-06-00-04579 (Beilstein Handbook Reference); AI3-00062; Anthrapole 73; Biphenyl, 2-hydroxy-; Biphenyl-2-o1; Biphenylol; o-Biphenylol; BRN 0606907; Caswell No. 623AA; CCRIS 1388; o-Diphenylol; Dowicide 1; Dowicide 1 antimicrobial; Dowicide A; EINECS 201-993-5; EPA Pesticide Chemical Code 064103; HSDB 1753; Hydroxdiphenyl; o-Hydroxybiphenyl; Invalon OP; Kiwi lustr 277; NCI-C50351; Nectryl; Nipacide® OPP; NSC 1548; OPP; Orthohydroxydiphenyl; Orthophenylphenol; Orthoxenol; Phenylphenol; o-Phenylphenol; Phenol, o-phenyl-; Phenyl-2 phenol; Phenylphenol; Preventol O extra; Remol TRF; Tetrosin OE; Topane; Torsite; Tumescal OPE; USAF EK-2219; Xenol; o-Xenol; o-Xonal. Disinfectant, preservative for detergents, cooling lubricants, textile/leather finishing, adhesives, paper, citrus fruit, polishes, wax emulsions, ceramic glazes, soap solutions. Fungicide. Registered by EPA as an antimicrobial and fungicide. Intermediate in manufacture of dyes, germicides, fungicides, rubber chemicals, laboratory reagents, food packaging and disinfectants. Colorless crystals; mp = 59°; bp = 286°; d^{25} = 1.213; λ_m = 246, 287 nm (ε = 5560, 2470, MeOH); soluble in H_2O (0.07 g/100 ml), most organic solvents; LD_{50} (mrat orl) = 2700 mg/kg, (frat orl) = 2000 mg/kg; toxic to fish. *Bayer Corp.; Caltech Industries Inc.; Cerexagri, Inc.; Chase Products Co.; Clariant Corp.; Coalite Chem. Div.; Colcide Inc.; Dow Chem. U.S.A.; Ecolab Inc.; Generic; Huntington Professional Products; Illinois Tool Works, Inc.; King Research Inc; Lonza Ltd.; National Chemical Laboratories, Inc.; Nipa; Quest Chemical Corp.; Reckitt Benckiser Inc.; S.C. Johnson & Son, Co; Spartan Chemical Co.; Steris Corp.*

2969 Phenyl salicylate

118-55-8 7394 D G



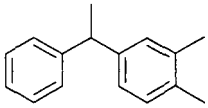
$C_{13}H_{10}O_3$

2-Hydroxybenzoic acid phenyl ester.

4-10-00-00154 (Beilstein Handbook Reference); AI3-00195; BRN 0393969; CCRIS 4859; EINECS 204-259-2; Fenylester kyseliny salicylove; Musol; NSC 33406; Phenol salicylate; Phenyl 2-hydroxybenzoate; Phenyl salicylate; Salol; Salphenyl. Analgesic; anti-inflammatory; antipyretic. Used as a UV absorber in plastics and as an analgesic, antipyretic and anti-inflammatory. Also used in the manufacture of plastics, laquers, adhesives, waxes, polishes; used in suntan oils and creams. Has some light absorbing and plasticizer properties. Crystals; mp = 130.5°; bp_{12} = 173°; d^{30} = 1.2614; λ_m = 241, 308 nm (ε = 12400, 4970, MeOH); insoluble in H_2O (0.014g/100 ml); soluble in Et_2O, AcOH, very soluble in alcohol (17 g/100 ml), C_6H_6 (67 g/100 ml), amyl alcohol (20 g/100 ml), liquid paraffin (10 g/100 ml), almond oil (25 g/100 ml); soluble in Me_2CO.

2970 Phenyl xylyl ethane

6196-95-8 H



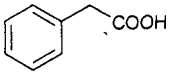
$C_{16}H_{18}$

4-(1-Phenylethyl)-o-xylene.

Benzene, 1,2-dimethyl-4-(1-phenylethyl)-; 1-(3,4-Dimethylphenyl)-1-phenylethane; EINECS 228-249-2; Ethane, 1-phenyl-1-(3,4-xylyl)-; Phenyl-1-(3,4-dimethyl)-phenylethane; 1-Phenyl-1-(3,4-dimethylphenyl)ethane; 4-(1-Phenylethyl)-o-xylene; Phenyl xylyl ethane.

2971 Phenylacetic acid

103-82-2 7352 G



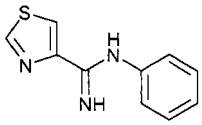
$C_8H_8O_2$

α-toluic acid.

4-09-00-01614 (Beilstein Handbook Reference); Acetic acid, phenyl-; AI3-08920; Benzenacetic acid; Benzene-acetic acid; Benzylcarboxylic acid; BRN 1099647; EINECS 203-148-6; FEMA No. 2878; HSDB 5010; Kyselina fenyloctova; NSC 125718; Phenylacetic acid; 2-Phenylacetic acid; Phenylethanoic acid; α-Toluic acid. Perfume, precursor in manufacture of penicillin G, fungicide, flavoring, laboratory reagent. Synthetic intermediate in perfumery industry. Solid; mp = 76.7°; bp = 265.5°; d^6 = 1.228, λ_m = 258 nm (MeOH); insoluble in ligroin, slightly soluble in H_2O, $CHCl_3$, soluble in Me_2CO, very soluble in EtOH, Et_2O. *Calaire Chimie S.A.; Lancaster Synthesis Co.; Penta Mfg.*

2972 4-(N-Phenylamidino)thiazole hydrochloride

13631-64-6 H



H—Cl

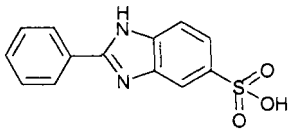
$C_{10}H_{10}ClN_3S$

4-Thiazolecarboxamidine, N-phenyl-, hydrochloride.

EINECS 237-117-3; 4-(N-Phenylamidino)thiazole hydro-chloride; 4-Thiazolecarboxamidine, N-phenyl-, hydro-chloride.

2973 Phenylbenzimidazol-5-sulfonic acid

27503-81-7 G



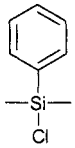
$C_{13}H_{10}N_2O_3S$

2-Phenylbenzimidazole-5-sulfonic acid.

1H-Benzimidazole-5-sulfonic acid, 2-phenyl-; EINECS 248-502-0; Ensulizole; Eusolex 232; Neo Heliopan® Hydro; Novantisol; Phenylbenzimidazole sulfonic acid; 2-Phenylbenzimidazole-5-sulfonic acid; 2-Phenyl-1H-benzimidazole-5-sulfonic acid; 2-Phenyl-1H-benz-imidazole-5-sulphonic acid. UV-B filter for sunscreen formulations. Used in creams, lotions and subscreens. Solid; mp >300°. *Haarmann & Reimer GmbH.*

2974 Phenyldimethylchlorosilane

768-33-2 G



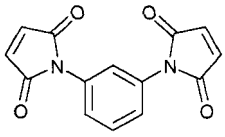
$C_8H_{11}ClSi$

Dimethylphenylchlorosilane.

Chlorodimethylphenylsilane; CP0160; EINECS 212-193-0; NSC 95425; Silane, chlorodimethylphenyl-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 195°, bp_{16} = 82°; d^{20} = 1.032. *Degussa-Hüls Corp.*

2975 1,3-Phenylenebismaleimide

3006-93-7 G



$C_{14}H_8N_2O_4$

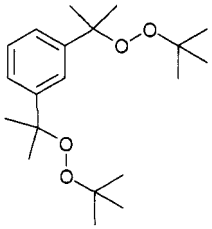
m-Phenylendedimaleimide.

4-21-00-04640 (Beilstein Handbook Reference); 1,3-Bismaleimidobenzene; BRN 0249503; 1,3-Dimale-imidobenzene; m-Dimaleimidobenzene; EINECS 221-112-8; HVA 2; HVA-2 curing agent; Maleimide, N,N'-(m-phenylene)di-; m-PHDM; m-Phenylenebismaleimide; N,N'-(m-Phenylene)bismaleimide; 1,1'-(1,3-

Phenylene)-bis-1H-pyrrole-2,5-dione; 1,1'-(m-Phenylene)bis-1H-pyrrole-2,5-dione; m-Phenylenedimaleimide; N,N'-m-Phenylenemaleimide; N,N'-(m-Phenylenedimaleimide); N,N'-1,3-Phenylenedimaleimide; NSC 19639; 1H-Pyrrole-2,5-dione, 1,1'-(1,3-phenylene)bis-; 1H-Pyrrole-2,5-dione, 1,1'-(phenylene)bis-; Vanax® MBM. Accelerator; free radical regulator and coagent in peroxide-cured polymers. Also used for cross-linking proteins. Solid; mp = 197-200°. *DuPont UK; Vanderbilt R.T. Co. Inc.*

2976 (1,3(or 1,4)-Phenylenebis(1-methylethylidene))bis(1,1-dimethylethyl)peroxide

25155-25-3 G H



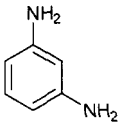
$C_{20}H_{34}O_4$

(Phenylenediisopropylidene)bis(tert-butylperoxide).

Bisbutyl peroxy diisopropyl benzene; Bis(tert-butyldioxy-isopropyl)benzene; α,α'-Bis(tert-butylperoxy)diisopropyl-benzene; CCRIS 4588; EINECS 246-678-3; Luperox 802; Perkadox® 14; Peroxide, (1,3(or 1,4)-phenylenebis(1-methylethylidene))bis((1,1-dimethylethyl); Peroxide, (phenylenebis(1-methylethylidene))bis(1,1-dimethylethyl)-; Peroxide, (phenylenediisopropylidene)bis(tert-butyl-; (Phenylenediisopropylidene)bis(tert-butylperoxide); Retilox® F 40 MG; Vul-Cup; Vul-Cup 40KE; Vul-Cup R. Low reactivity peroxide useful as a finishing initiator at high temperatures for styrenics; synergist for some halogen-containing flame retardants; also for cross-linking of EPM, EPDM, polyethylene, silicone rubbers, NBR, EVA copolymers, SBR, chlorosulfonated polyethylene, PVC, PU rubbers, polybutadiene rubbers and neoprene. Crosslinking agent for thermoplastic modification, curing elastomers, and high temperature cure of polyesters; initiator for vinyl polymerization. Solid; mp = 44-48°; insoluble in H_2O (< 1 mg/ml). *Akrochem Chem. Co.; Akzo Chemie; Elf Atochem N. Am.; Hercules Inc.*

2977 m-Phenylenediamine

108-45-2 7367 G H



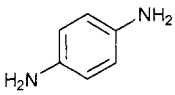
$C_6H_8N_2$

1,3-Diaminobenzene.

4-13-00-00079 (Beilstein Handbook Reference); AI3-52607; APCO 2330; Benzene, 1,3-diamino-; BRN 0471357; CCRIS 1236; CI Developer 11; Developer 11; Developer C; Developer H; Developer M; Direct Brown BR; Direct Brown GG; EINECS 203-584-7; HSDB 5384; m-Phenylenediamine; Metaphenylenediamine; NSC 4776; UN1673. Used in the manufacture of dyes and hair dyes; as a rubber curing agent; in photography; as an analytical reagent for gold and bromine. Rhombohedral crystals; mp ■ 63.5°, bp = 285°; d^{58} = 1.0096; λ_m = 293 nm (MeOH); very soluble in H_2O, soluble in EtOH, Et_2O, C_6H_6. *DuPont.*

2978 p-Phenylenediamine

106-50-3 7369 G H



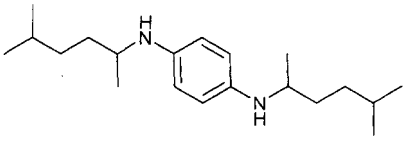
$C_6H_8N_2$

1,4-Diaminobenzene.

6PPD; AI3-00710; 4-Aminoaniline; Aminogen II; BASF ursol D; 1,4-Benzenediamine; Benzofur D; CCRIS 509; CI 76060; CI Developer 13; CI Oxidation Base 10; Developer 13; Developer PF; 1,4-Diaminobenzene; Durafur Black R; EINECS 203-404-7; Fenylenodwuamina; Fouramine D; Fourrine 1; Fourrine D; Fur Black 41866; Fur Black 41867; Fur Yellow; FUR Brown 41866; Furro D; Futramine D; HSDB 2518; Nako H; NSC 4777; Orsin; Oxidation Base 10; 1,4-Phenylenediamine; 4-Phenyl-enediamine; PARA; Paraphenylen-diamine; Paraphenyl-enediamine; Pelagol D; Pelagol DR; Pelagol Grey D; Peltol D; Phenylenediamine; Phenylenediamine, para-; Renal PF; Rodol D; Santoflex IC; Santoflex LC; Tertral D; UN1673; Ursol D; USAF EK-394; Vulkanox 4020; Zoba Black D. Used as an azo dye intermediate; photographic developing agent; intermediate in manufacture of antioxidants, accelerators for rubber, synthetic fibers; dyeing hair and fur. White platelets; mp= 146°; bp = 267°; λ_m = 244 nm (ε = 10965, EtOH); slightly soluble in H_2O, soluble in EtOH; Et_2O, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 80 mg/kg. *BASF Corp.; DuPont; Hoechst Celanese; Janssen Chimica.*

2979 p-Phenylenediamine, N,N'-bis(1,4-dimethylpentyl)-

3081-14-9 H



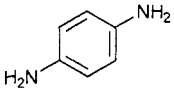
$C_{20}H_{36}N_2$

N,N'-Bis(1,4-dimethylpentyl)-p-phenylenediamine.

77PPD; Antioxidant 4030; BRN 2739028; CCRIS 4750; Eastozone; Eastozone 33; EINECS 221-375-9; Elastozone 33; Flexzone 4L; NCI-C56337; p-Phenylenediamine, N,N'-bis(1,4-dimethylpentyl)-; Santoflex 77; Tenamene 4; UOP 788. An antioxidant and antiozonant.

2980 p-Phenylenediamine, N-(1,3-dimethyl-butyl)-N'-phenyl-

793-24-8 H



$C_{18}H_{24}N_2$

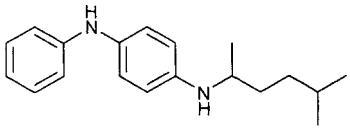
N-(1,3-Dimethylbutyl)-N'-phenyl-1,4-phenylenediamine.

4-13-00-00115 (Beilstein Handbook Reference); 6PPD; Antage 6C; Antioxidant 4020; Antioxidant cd; Antioxidant CD 13; Antozite 67; Antozite 67F; 1,4-Benzenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-; BRN 2215491; CCRIS 2352; CCRIS 4801; CD 13; DBDA; Diafen 13; Diafen FDMB; DMBPD; Dusantox 6PPD; EINECS 212-344-0; Flexzone 7F; Flexzone 7L; Forte 6C; HSDB 5755; N-(1,3-Dimethylbutyl)-N'-phenyl-1,4-phenylenediamine; N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine; NCI-C56315; Nocrac 6C; Nocrane 6C; Nocrane 7 L; Ozonon 6C; p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-; Permanax 120; Permanax 6PPD; Santoflex 13; Santoflex 13F; Santoflex 6PPD; UOP 562; UOP 588;

Vulkanox 4020; Wingstay 300.

2981 p-Phenylenediamine, N-(1,4-dimethyl-pentyl)-N'-phenyl-

3081-01-4 H



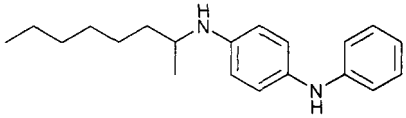
$C_{19}H_{26}N_2$

N-(1,4-Dimethylpentyl)-N'-phenylbenzene-1,4-diamine.

1,4-Benzenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-; N-(1,4-Dimethylpentyl)-N'-phenylbenzene-1,4-diamine; N-(1,4-Dimethylpentyl)-N'-phenyl-1,4-benzenediamine; EINECS 221-374-3; p-Phenylenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-; Santoflex 14; Santoflex 14 antiozonant. An antioxidant and antiozonant.

2982 p-Phenylenediamine, N-(1-methylheptyl)-N'-phenyl-

15233-47-3 H



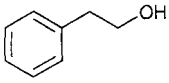
$C_{20}H_{28}N_2$

N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine.

1,4-Benzenediamine, EINECS 239-281-1; N-(1-methyl-heptyl)-N'-phenyl-; N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine; N-(1-Methylheptyl)-N'-phenyl-1,4-benzenediamine; p-Phenylenediamine, N-(1-methylhep-tyl)-N'-phenyl-; Uop 688.

2983 Phenylethyl alcohol

60-12-8 7304 H



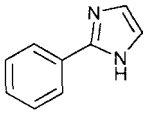
$C_8H_{10}O$

Benzeneethanol.

4-06-00-03067 (Beilstein Handbook Reference); AI3-00744; Benzeneethanol; Benzylcarbinol; Benzyl-methanol; BRN 1905732; Caswell No. 655C; EINECS 200-456-2; EPA Pesticide Chemical Code 001503; Ethanol, 2-phenyl-; FEMA No. 2858; FEMA Number 2858; β-Fenethylalkohol; β-Fenylethanol; HSDB 5002; β-Hydroxyethylbenzene; Methanol, benzyl-; NSC 406252; PEA; Phenethanol; β-Phenylethanol; Phenethyl alcohol; Phenylethyl alcohol. Has the smell of roses. Used in perfumery and as an antimicrobial agent. Clear liquid; mp= -27°; bp_{750} = 219-221°; d_{25}^{25} = 1.017; n_D^{20}= 1.530; soluble in H_2O (2 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl)= 1790 mg/kg. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

2984 2-Phenyl imidazole

670-96-2 G



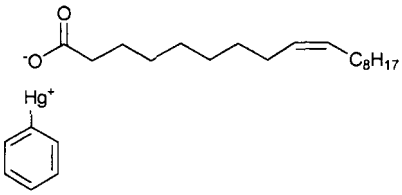
$C_9H_8N_2$

2-phenylimidazole.

AI3-50034; EINECS 211-581-7; Imidazole, 2-phenyl-; 1H-Imidazole, 2-phenyl-; NSC 255226; Phenylimidazole; 2-Phenylimidazole; 2-Phenyl-1H-imidazole. Epoxy curing agent for printed circuit boards, molding compounds, potting; accelerator for dicyandiamide and anhydrides. Leaflets; mp = 1469.3°; bp = 340°; insoluble in H_2O, very soluble in EtOH. *BASF Corp.; Janssen Chimica; Lancaster Synthesis Co.*

2985 Phenylmercuric oleate

104-60-9 G P



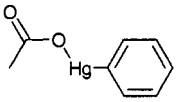
$C_{24}H_{38}HgO_2$

Mercury, (Z)-(9-octadecenoato-O)phenyl-.

Caswell No. 657J; EPA Pesticide Chemical Code 066022; Intercide PMO 11; Mercury, (9-octadecenoato-O)phenyl-, (Z)-; Mercury, (9-octadecenoato-kappaO)phenyl-; Merc-ury, (oleato)phenyl-; Mercury, (oleoyloxy)phenyl-; (Oleato)phenylmercury; (Z)-(9-Octadecenoato-O)phenyl-mercury; Phenylmercuric oleate; PMO 10. Mildew-proofing agent for paints; fungicide, germicide. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide (cancelled). *Noah Chem.; Thor.*

2986 Phenylmercury acetate

62-38-4 7383 G P



$C_8H_8HgO_2$

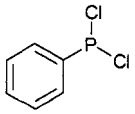
Phenylmercuric acetate.

(Acetato-O)phenylmercury; (Acetato)phenylmercury; (Acetoxymercuri)benzene; Acetate de phenylmercure; Acetate phenylmercurique; Acetic acid, phenylmercury deriv.; Acetic acid, phenylmercury(II) salt; Acetoxy-phenylmercury; Agrosan D; Agrosan GN 5; AI3-14668; Algimycin 200; Anticon; Antimucin WBR; Antimucin WDR; Benzene, (acetoxymercuri)-; Benzene, (acetoxy-mercurio)-; Bufen; Bufen 30; Caswell No. 656; CCRIS 4858; Cekusil; Celmer; Ceresan slaked lime; Ceresol; Contra Creme; Dyanacide; EINECS 200-532-5; EPA Pesticide Chemical Code 066003; Femma; Fenylmercuriacetat; Fenylmerkuriacetat; Fungicide R; Fungitox OR; Gallotox; Hexasan; Hexasan (fungicide); HI-331; Hong nien; Hostaquick; Hostaquik; HSDB 1670; Intercide 60; Intercide PMA 18; Kwiksan; Liquiphene; Lorophyn; Meracen; Mercron; Mercuriphenyl acetate; Mercuron; Mercury, (acetato-O)phenyl-; Mercury, (acetato)phenyl-; Mercury(II) acetate, phenyl-; Mergal A 25; Mersolite; Mersolite 8; Mersolite D; Metasol 30; Neantina; Norforms; NSC 35670; Nuodex PMA 18; Nylmerate; Octan fenylrtutnaty; Pamisan; Panomatic; Parasan; Parasan (bactericide); Phenmad; Phenomercuric acetate; Phenyl mercuric acetate; Phenylquecksilber-acetate; Phenylquecksilberacetat; Phix; PMA; PMA (fungicide); PMAC; PMAL; PMAS; Programin; Purasan-SC-10; Puraturf 10; Quicksan; Quicksan 20; RCRA waste number P092; Riogen; Ruberon; Samtol; Sanitized SPG; Sanitol; Sanmicron; Sc-110; Scutl; Seed Dressing R; Seedtox; Setrete; Shimmerex; Single Purpose; Spor-Kil; Spruce Seal; Tag; Tag 331; Tag Fungicide; Tag

HL-331; Trigosan; Troysan 30; Troysan PMA 30; UN1674; Verdasan; Volpar; Zaprawa Nasienna R; Ziarnik. Organomercury compound used as a fungicide seed dressing for cereals and fodder beet. mp = 149°; soluble in H_2O (1.6 mg/ml), more soluble in organic solvents; LD_{50} (rat orl) = 22 mg/kg. *Allchem Ind.; DowElanco Ltd.; EM Ind. Inc.*; 907;1191.

2987 Phenylphosphine dichloride

644-97-3 H



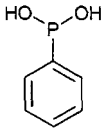
$C_6H_5Cl_2P$

Phenyl phosphorus dichloride.

4-16-00-00972 (Beilstein Handbook Reference); AI3-15063; Benzene phosphorus dichloride; BRN 0508189; Dichlorophenylphosphine; EINECS 211-425-8; HSDB 2729; NSC 66478; Phenyl phosphorus dichloride; Phenyldichlorophosphine; Phenylphosphine dichloride; Phenylphosphonous dichloride; Phenylphosphorus dichloride; Phosphine, dichlorophenyl-; Phosphonous dichloride, phenyl-; UN2798. Liquid; mp = -51°; bp = 225°, bp_{57} = 142°; d^{20} = 1.356; very soluble in C_6H_6.

2988 Phenylphosphinic acid

1779-48-2 H



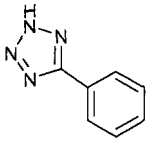
$C_6H_7O_2P$

Benzenephosphonous acid.

4-16-00-01033 (Beilstein Handbook Reference); AI3-15040; Benzenephosphinic acid; Benzenephosphonous acid; BRN 2802244; EINECS 217-217-3; Hydroxy-phenylphosphine oxide; NSC 2670; Phenylphosphinic acid; Phenylphosphonous acid; Phosphinic acid, phenyl-.

2989 Phenyltetrazole

18039-42-4 G



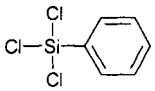
$C_7H_6N_4$

5-Phenyl-1H-tetrazole.

EINECS 241-950-8; Expandex 5PT; Expandex OX 5PT; Kempore 50XPT; MA 1623; NSC 11138; Phenyltetrazole; 5-Phenyltetrazole; 5-Phenyl tetrazole; 5-Phenyl-2H-tetrazole; Tetrazole, 5-phenyl-; 1H-Tetrazole, 5-phenyl-; 2H-Tetrazole, 5-phenyl-. Blowing agent for foaming plastics and elastomers at elevated temperatures. *Degussa-Hüls Corp.*

2990 Phenyltrichlorosilane

98-13-5 G H



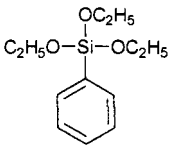
$C_6H_5Cl_3Si$

Silane, trichlorophenyl-.

4-16-00-01560 (Beilstein Handbook Reference); AI3-51469; BRN 0508730; CP0280; EINECS 202-640-8; HSDB 1039; NSC 77080; Phenylsilicon trichloride; Phenyltrichlorosilane; Silane, phenyltrichloro-; Silane, trichlorophenyl-; Silicon phenyl trichloride; Trichloro-phenylsilane; UN1804. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Intermediate for silicones; laboratory reagent. bp = 201°; d^{20} = 1.3210; soluble in $CHCl_3$, CCl_4, CS_2; LD_{50} (rat orl) = 2390 mg/kg. *Degussa-Hüls Corp.; PCR; Sigma-Aldrich Fine Chem.*

2991 Phenyltriethoxysilane

780-69-8 G



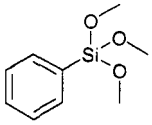
$C_{12}H_{20}O_3Si$

Silane, phenyltriethoxy-.

Benzeneorthosiliconic acid, triethyl ester; CP0320; EINECS 212-305-8; NSC 77115; Phenyltriethoxysilane; Silane, phenyltriethoxy-; Silane, triethoxyphenyl-; Triethoxy(phenyl)silane; Triethoxyfenylsilan; Triethoxy-phenylsilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 232°, bp_{10} = 113°; d^{25} = 0.9960; λ_m = 210, 253, 259, 265, 272 nm (ε = 8318, 251, 363, 417, 302, EtOH); LD_{50} (rat orl) = 2818 mg/kg. *Degussa-Hüls Corp.*

2992 Phenyltrimethoxysilane

2996-92-1 G



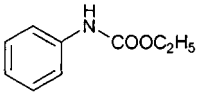
$C_9H_{14}O_3Si$

(Trimethoxysilyl)benzene.

A 153; AI3-60043; CP0330; EINECS 221-066-9; NSC 93925; Phenyltrimethoxysilane; Silane, phenyltrimeth-oxy-; Silane, trimethoxyphenyl-; Trimethoxyphenylsilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{45} = 130°, bp_{20} = 110°; d^{20} = 1.064; soluble in CCl_4, CS_2. *Degussa-Hüls Corp.; Janssen Chimica; PCR.*

2993 Phenylurethane

101-99-5 7404 G



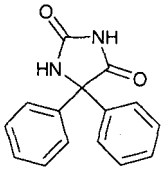
$C_9H_{11}NO_2$

Phenylcarbamic acid ethyl ester.

4-12-00-00619 (Beilstein Handbook Reference); AI3-15353; BRN 1942785; Carbamic acid, phenyl-, ethyl ester; Carbanilic acid, ethyl ester; EINECS 202-995-9; EPC (the plant regulator); Ethanol, carbanilate; N-(Ethoxycarbonyl)aniline; Ethyl carbanilate; Ethyl-N-phenylcarbamate; Ethyl N-phenylurethan; Ethyl N-phenylurethane; Ethyl phenylcarbamate; Ethylester kyseliny karbanilove; Euphorin; HSDB 5344; Keimstop; NSC 3245; Phenylethyl carbamate; Phenylurethan; Phenylurethane; N-Phenylurethane; Urethan, phenyl-; Urethane, phenyl-. Chemical intermediate made by reaction of ethyl chloroformate and aniline. Needles or plates; mp = 53°; bp = 237° (dec); d^{30} = 1.1064; λ_m = 235, 273, 281 nm (ε = 8770, 512, 393, MeOH); insoluble in H_2O, soluble in C_6H_6, CCl_4, very soluble in EtOH, Et_2O.

2994 Phenytoin

57-41-0 7406 D



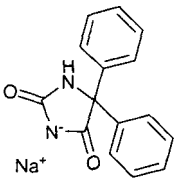
$C_{15}H_{12}N_2O_2$

5,5-Diphenylhydantoin.

AI3-52498; Aleviatin; Auranile; Causoin; CCRIS 515; Comitoina; Convul; Danten; Dantinal; Dantoinal; Dantoinal klinos; Dantoine; Denyl; Di-Hydan; Di-Lan; Di-Phetine; Didan TDC 250; Difenilhidantoina; Difenin; Difetoin; Difhydan; Dihycon; Dihydantoin; Dilabid; Dilantin; Dilantin acid; Dilantine; Diilantin; Dintoin; Dintoina; Diphantoin; Diphedal; Diphedan; Diphenin; Diphenine; Diphentyn; Diphenylan; Diphenylhydantoin; Diphenylhydantoine; Diphenylhydatanoin; Ditoinate; DPH; EINECS 200-328-6; Ekko; Elepsindon; Enkelfel; Epamin; Epasmir 5; Epdantoin Simple; Epelin; Epifenyl; Epihydan; Epilan-D; Epilantin; Epinat; Epised; Eptal; Fenantoin Mn Pharma; Fenidantoin s; Fenitoina; Fentoin; Fenylepsin; Fenytoin Dak; Fenytoine; Gerot-epilan-D; Hidan; Hidantal; Hidantilo; Hidantina; Hidantina senosian; Hidantina vitoria; Hidantomin; Hydantal; Hydantin; Hydantoinal; Hydantol; Ictalis simple; Idantoil; Idantoin; Iphenylhydantoin; Kessodanten; Labopal; Lehydan; Lepitoin; Lepsin; Mebroin; Minetoin; NCI-C55765; Neos-hidantoina; Neosidantoina; Novantoina; Novophenytoin; NSC 8722; OM hidantoina simple; OM-Hydantoine; Oxylan; Phanantin; Phanatine; Phenatine; Phenatoine; Phenhydan; Phenhydanin; Phentoin; Phenytoin; Phenytoine; Phenytoinum; Ritmenal; Saceril; Sanepil; Silantin; Sinergina; Sodanthon; Sodantoin; Sodanton; Solantin; Sylantoic; Thilophenyl; Toin unicelles; TOIN; Zentronal; Zentropil.; component of: Mebroin. Anticonvulsant; class IB antiarrhythmic. Crystals; mp = 295-298°; insoluble in H_2O; soluble in EtOH (1.67 g/100 ml), Me_2CO (3.32 g/100 ml); LD_{50} (mus iv) = 92 mg/kg, (mus sc) = 110 mg/kg. *Parke-Davis; Sterling Winthrop Inc.*

2995 Phenytoin Sodium

630-93-3 7406 D



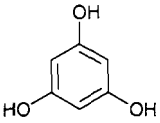
$C_{15}H_{11}N_2NaO_2$

5,5-Diphenylhydantoin sodium salt.

Aladdin; Alepsin; Aleviatin sodium; Antilepsin; Antisacer; Auranile; Beuthanasia-D; Citrullamon; Cumatil; Danten; Dantoin; Decatona; Denyl; Denyl sodium; Derizene; Di-len; Difenin; Difetoin; Difhydan; Dihydan; Dilantin; Dilantin sodium; Diphantoine; Diphedan; Diphenin; Diphenine; Diphenine sodium; Diphentoin; Diphenylan sodium; Diphenylhydantoin sodium; Ditoin; Ditomed; EINECS 211-148-2; Enkefal; Epanutin; Epdantoin; Epelin; Epilan-D; Epilantin-E; Epileptin; Epinat; Episar; Epsolin; Eptoin; Eptolin; Fenidantoin; Fenigramon; Fenitoin sodium; Fenitoina Sodica; Fenitron; Fenytoin; Hidantal sodium; Hidantin; HSDB 3160; Hydantin; Hydantoinal; Lepitoin sodium; Metinal Idantoina; Minetoin; Muldis; Novodiphenyl; OM-Hydantoine sodium; Phenilep; Phenytoin soluble; Phenytoin sodium; SDPH; Sodium phenytoin; Solantoin; Solantyl; Soluble phenytoin; Tacosal.; component of: Beuthanasia-D. Anticonvulsant; class IB antiarrhythmic. Soluble in EtOH (9.5 g/100 ml), H_2O (1.5 g/100 ml); insoluble in Et_2O, $CHCl_3$; LD_{50} (mus orl) = 490 mg/kg. *Elkins-Sinn; Schering-Plough Animal Health.*

2996 Phloroglucinol

108-73-6 7413 G



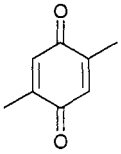
$C_6H_6O_3$

1,3,5-Benzenetriol.

4-06-00-07361 (Beilstein Handbook Reference); AI3-08848; Benzene, trihydroxy; Benzene, 1,3,5-trihydroxy-; Benzene-1,3,5-triol; Benzene-s-triol; 1,3,5-Benzenetriol; BRN 1341907; CCRIS 4147; 3,5-Dihydroxyphenol; Dilo-span S; EINECS 203-611-2; Floroglucin; Floroglucinol; 5-Hydroxyresorcinol; NSC 1572; 5-Oxyresorcinol; Phloro-glucin; Phloroglucine; Phloro-glucinol; Spasfon-Lyoc; s-Trihydroxybenzene; sym-Trihydroxybenzene; 1,3,5-Tri-hydroxybenzene; 1,3,5-Trihydroxycyclohexatriene. Used in analytical chemistry, as a decalcifying agent for bones, in preparation of pharmaceuticals and dyes, resins, as a preservative for cut flowers, in textile dyeing and printing. Available in anhydrous and dihydrate forms. Leaflets or plates; mp = 218.5°; λ_m = 268 nm (ε = 398, MeOH); slightly soluble in H_2O (10 g/l), soluble in Me_2CO, very soluble in EtOH, Et_2O, C_6H_6, C_5H_5N; LD_{50} (rat orl) = 4 g/kg. *Goldschmidt; Lancaster Synthesis Co.; Schering AG; Spectrum Chem. Manufacturing.*

2997 Phlorone

137-18-8 G



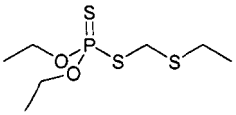
$C_8H_8O_2$

p-Xyloquinone.

AI3-61044; p-Benzoquinone, 2,5-dimethyl-; CCRIS 7150; 2,5-Cyclohexadiene-1,4-dione, 2,5-dimethyl-; 2,5-Di-methyl-1,4-benzoquinone; 2,5-Dimethyl-1,4-benzo-chinon; 2,5-Dimethyl-2,5-cyclohexadiene-1,4-dione; 2,5-Dimethyl-4-benzoquinone; 2,5-Dimethyl-p-benzo-quinone; 2,5-Dimetilbenzochinone (1:4); 3,6-Dimethyl-p-benzoquinone; EINECS 205-283-6; Floron; Florone; NSC 15309; 2,5-Xyloquinone; p-Xyloquinone; Phlorone. Organic intermediate. Crystals; mp = 124-126°; LD_{50} (mus orl) = 290 mg/kg.

2998 Phorate

298-02-2 7416 G



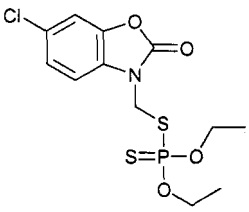
$C_7H_{17}O_2PS_3$

O,O-Diethyl S-[(ethylthio)methyl]phosphorodithioate.

4-01-00-03090 (Beilstein Handbook Reference); AC 3911; Agrimet; AI3-24042; American Cyanamid 3,911; BRN 1708517; Caswell No. 660; CCRIS 2747; Chim; O,O-Diaethyl-S-(aethylthio-methyl)-dithiophosphat; O,O-Diethyl ethylthiomethyl phosphorodithioate; O,O-Diethyl S-(ethylthio)methyl phosphorodithioate; O,O-Diethyl S-ethylmercaptomethyl dithiophosphate; O,O-Diethyl S-ethylmercaptomethyl dithiophosphonate; O,O-Diethyl-S-(ethylthio-methyl)-dithiofosfaat; O,O-Diethyl S-ethylthiomethyl thiothionophosphate; O,O-Diethyl S-ethylthiomethyl dithiophosphonate; O,O-Diethyl-S-((ethylthio)methyl)phosphorodithioate; O,O-Dietil-S-(etiltio-metil)-ditiofosfato; Dithiophosphate de O,O-diethyle et d'ethylthiomethyle; EI3911; EINECS 206-052-2; ENT 24,042; EPA Pesticide Chemical Code 057201; Experimental insecticide 3911; Foraat; Forate; Geomet; Granutox; HSDB 1183; L 11/6; Methanethiol, (ethylthio)-, S-ester with O,O-diethylphosphorodithioate; Phorat; Phorate; Phorate-10G; Phosphorodithioic acid, O,O-diethyl S-(ethylthio)methyl ester; Phosphorodithioic acid, O,O-diethyl S-((ethylthio)methyl) ester; Rampart; RCRA waste number P094; Terrathion; Thimenox; Thimet; Timet; Vegfru; Vegfru Foratox; Volphor; VUAgT 182. Systemic insecticide and acaricide with contact and stomach action. A cholinesterase inhibitor with some nematicidal activity. Terrathion consists of granules containing 10% w/w phorate; an organophosphorus insecticide. Oil; mp <-15°; $bp_{0.8}$= 118-120°; d_{25} = 1.167; n_D^{25}= 1.5349; soluble in H_2O (50 mg/l), more soluble in organic solvents; LD_{59} (rat orl) = 3.7 mg/kg. *Am. Cyanamid; Farmers Crop Chemicals Ltd.; MTM AgroChemicals Ltd.*

2999 Phosalone

2310-17-0 7489 G P



$C_{12}H_{15}ClNO_4PS_2$

S-[(6-chloro-2-oxo-3(2H)-benzoxazolyl)methyl] O,O-diethylphosphorodithioate.

11 974 rp; Agria 1060; Agria 1060 A; AI3-27163; Azofene; Benzophosphate; S-((3-Benzoxazolinyl-6-chloro-2-oxo)methyl) O,O-diethyl phosphorodithioate; Benzphos; BRN 0694650; Caswell No. 660A; CCRIS 2000; Chipman 11974; 6-Chloro-3-diethoxyphosphino-thioylthiomethyl-1,3-benzoxazol-2(3H)-one; 6-Chloro-3-(O,O-diethyldithiophosphorylmethyl)benzoxazolone; S-6-Chloro-2,3-dihydro-2-oxo-benzoxazol-3-ylmethyl O,O-diethyl phosphorodithioate; S-6-Chloro-2,3-dihydro-2-oxo-1,3-benzoxazol-3-ylmethyl O,O-diethyl phosphoro-dithioate; S-(6-Chloro-3-(mercaptomethyl)-2-benzoxa-zolinone) O,O-diethyl phosphorodithioate; 3-(6-Chloro-2-oxobenzoxazolin-3-yl)methyl-O,O-diethyl phosphoro-thiolothionate; S-((6-Chloro-2-oxo-3(2H)-benzoxazolyl)-methyl) O,O-diethyl phosphorodithioate; S-((6-Chloro-2-oxo-3H)-benzoxazolylmethyl)O,O-diethyl phosphoro-dithioate; S-(6-Chloro-2-oxobenzoxazolin-3-yl)methyl diethyl phosphorothiolothionate; O,O-Diethyl-S-((6-chloor-2-oxo-benzoxazolin-3-yl)-methyl)-dithiofosfaat; O,O-Diethyl S-(6-chlorobenzoxazolinyl-3-methyl) dithio-phosphate; O,O-Diaethyl-S-(6-chlor-2-oxo-ben(b)-1,3-oxalin-3-yl)-methyl-dithiophosphat; O,O-Diäthyl-S-(6-chlor-2-oxo-ben(b)-1,3-oxalin-3-yl)-methyl-dithio-phosphat; O,O-Diethyl-S-(6-chloro-2-oxobenzoxazolin-3-yl-methyl)-phosphorodithioate; O,O-Diethyl-S-(6-chloro-2-oxo-benzoxazolin-3-yl)methyl-phosphorothiolo-thionate; O,O-Dietil-S-((6-cloro-2-oxo-benzossazolin-3-il)-metil)-ditiofosfato; 3-Diethyldithiophosphorylmethyl-6-chlorobenzoxazolone-2; 3-(O,O-Diethyldithiophos-phorylmethyl)-6-chlorobenzoxazolone; O,O-Diethyl phosphorodithioate, S-ester with 6-chloro-3-(mercaptomethyl)-2-benzoxazolinone; EINECS 218-996-2; ENT 27,163; EPA Pesticide Chemical Code 097701; Fosalon; Fozalon; HSDB 4050; NIA-9241; Niagara 9241; NPH-1091; P-974; Phosalon; Phosalone; Phosalone 35 EC; Phosphorodithioic acid, O,O-diethyl ester, S-ester + 6-Cl-3-(mercaptomethyl)-2-benzoxazolinone; Phosphoro-dithioic acid-S-ester of 6-chloro-3-mercaptomethylbenz-oxazyol-2-one; Phosphorodithioic acid, S-((6-chloro-2-oxo-3(2H)-benzoxazolyl)methyl) O,O-diethyl ester; Phozalon; Rhodia RP 11974; RP 11,974; Rubitox; Zolone; Zolone DT; Zolone PM; Zone;. Non-systemic insecticide and acaricide with contact and stomach action. Used for control of sucking and chewing insects, spider mites, Colorado beetles, aphids, bollworms, stem borers, insects and spider mites on fruit and vegetables. Colorless crystals; mp = 45-48°; soluble in H_2O (10 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 120-175 mg/kg. *Hortichem Ltd.; Rhône Poulenc Crop Protection Ltd.; Voltas.*

3000 Phosgene

75-44-5 7421 H

CCl_2O

Carbonic acid dichloride.

4-03-00-00031 (Beilstein Handbook Reference); BRN 1098367; Carbon dichloride oxide; Carbon oxychloride; Carbone (oxychlorure de); Carbonic acid dichloride; Carbonic chloride; Carbonic dichloride; Carbonio (ossicloruro di); Carbonyl chloride; Carbonyl dichloride; Carbonylchlorid; Chloroformyl chloride; Combat gas; EINECS 200-870-3; Fosgeen; Fosgen; Fosgene; HSDB 796; Koolstofoxychloride; NCI-C60219; Phosgen; Phosgene; RCRA waste number P095; UN 1076. Used in the synthesis of isocyanates, polyurethane, and polycarbonate resins; organic carbonates and chloroformates; pesticides and herbicides; dye manufacture. Highly toxic; has been used as a chemical warfare agent. Gas; mp = -127.9°; bp = 8°; d^{25} = 1.3719; soluble in organic solvents, slightly soluble in H_2O. *BASF Corp.; Bayer AG; Dow Chem. U.S.A.; DuPont; GE Silicones; PPG Ind.; Syngenta Professional Prod.*

3001 Phosphomolybdic acid

11104-88-4 7428 G

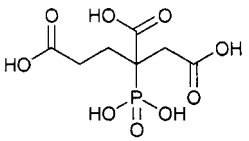
$24MoO_3.P_2O_5.H_2O$

Molybdenum hydroxide oxide phosphate.

EINECS 234-336-6; Molybdenum phosphorus hydroxide oxide; Molybdophosphoric acid; Phosphomolybdic acid; Phosphoric acid, anhydride with molybdic acid. Reagent for alkaloids; pigments; catalyst; fixing agent in photography; additive in plating processes; imparts water resistance to plastics, adhesives, and cement. Bright yellow crystals; soluble in H_2O (>250 g/100 ml). *AAA Molybdenum; Atomergic Chemetals; Noah Chem.*

3002 2-Phosphonobutane-1,2,4-tricarboxylic acid

37971-36-1 H



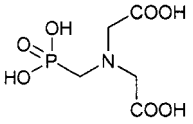
$C_7H_{11}O_9P$

1,2,4-Butanetricarboxylic acid, 2-phosphono-.

Butanetricarboxylic acid, 2-phosphono-1,2,4-; 1,2,4-Butanetricarboxylic acid, 2-phosphono-; EINECS 253-733-5; 2-Phosphono-1,2,4-butanetricarboxylic acid; 2-Phosphonobutane-1,2,4-tricarboxylic acid.

3003 Phosphonomethyliminodiacetic acid

5994-61-6 H



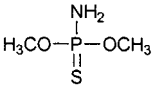
$C_5H_{10}NO_7P$

N-(Carboxymethyl)-N-(phosphonomethyl)glycine.

EINECS 227-824-5; N-(Carboxymethyl)-N-(phosphono-methyl)glycine; Glycine, N-(carboxymethyl)-N-(phos-phonomethyl)-; Phosphonomethyliminodiacetic acid.

3004 Phosphoramidothioic acid, O,O-dimethyl ester

17321-47-0 H P



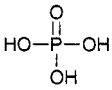
$C_2H_8NO_2PS$

O,O-Dimethyl thiophosphoramide.

Amidate; Amidate (pesticide); O,O-Dimethyl phosphoramidothioate; O,O-Dimethyl thiophosphor-amidate; O,O-Dimethyl thiophosphoramide; E-118 amide; EINECS 241-342-2; NSC 133028; Phosphoramidothioic acid, O,O-dimethyl ester.

3005 Phosphoric acid

7664-38-2 7430 E G P



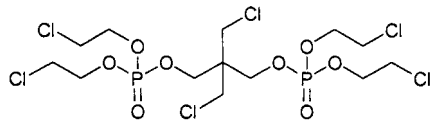
H_3O_4P

Orthophosphoric acid.

Acide phosphorique; Acido fosforico; Acidum phosphoricum; Caswell No. 662; CCRIS 2949; EINECS 231-633-2; EPA Pesticide Chemical Code 076001; Evits; FEMA No. 2900; Fosforzuuroplossingen; HSDB 1187; Hydrogen phosphate; NSC 80804; Orthophosphoric acid; Phosphoric acid; Phosphorsaeure; Phosphorsäure; Phosphorsaeureloesungen; Phosphorsäurelösungen; Son-ac; UN1805; Wc-reiniger; White phosphoric acid. Inorganic acid; in manufacture of inorganic phosphates, fertilizers, detergents, chemical polishing, priming metals, petroleum refining; acid catalyst; as acidulant and flavoring agent, antioxidant and sequestrant in food; pharmaceutic acid; in dental cements; as an analytical reagent. Registered by EPA as an antimicrobial, fungicide and herbicide. FDA GRAS, approved for parenterals, intramuscular injectables, orals, topicals, vaginals. USP/NF, BP, Ph.Eur.-compliant. Acidulant and buffering agent. Used in parenterals, intramuscular injectables, orals, topicals, vaginals, in dental cements and etchants. Diluted, as a tonic and for management of nausea and vomiting. Used in fuel cells and as a masonry and tile cleaner. Solid; mp ■ 42°; bp = 260°; d = 1.685; soluble in H_2O. *Albright & Wilson Americas Inc.; Ashland; Farleyway Chem. Ltd.; FMC Corp.; Mallinckrodt Inc.; Mitsui Toatsu; Monsanto Co.; Rasa; Rhône-Poulenc.*

3006 Phosphoric acid, 2,2-bis(chloromethyl)-1,3-propanediyl tetrakis(2-chloroethyl) ester

38051-10-4 H



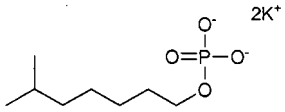
$C_{13}H_{24}Cl_6O_8P_2$

2,2-Bis(chloromethyl)trimethylene bis(bis(2-chloroethyl)-phosphate).

EINECS 253-760-2; Phosphoric acid, 2,2-bis(chloro-methyl)-1,3-propanediyl tetrakis(2-chloroethyl) ester.

3007 Phosphoric acid, isooctyl ester, potassium salt

68647-19-8 H



$C_8H_{17}K_2O_4P$

Isooctyl alcohol phosphate, potassium salt.

EINECS 271-944-0; Isooctyl alcohol phosphate, potassium salt; Isooctyl alcohol, phosphoric anhydride condensation product, potassium salt; Isooctyl phosphate, potassium salt; Phosphoric acid, isooctyl ester, potassium salt.

3008 Phosphoric acid, trixylyl ester

25155-23-1 G H

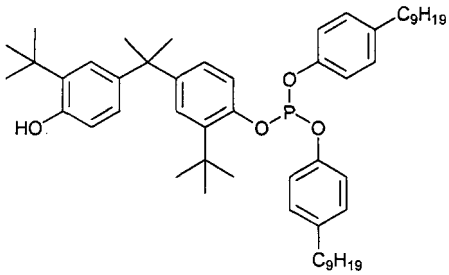
$C_{24}H_{27}O_4P$

Dimethylphenol phosphate (3:1).

CCRIS 4891; Coalite NTP; Dimethylphenol phosphate (3:1); EINECS 246-677-8; HSDB 6094; Ivviol-3; Phenol, dimethyl-, phosphate (3:1); Phosflex 179; Phosphate, trixylyl; Phosphoric acid, trixylyl ester; Reofos 95; Syn-O-Ad® 8475M; Tri-dimethyl phenyl phosphate; Tri-xylenyl phosphate; Trixylenyl phosphate; Trixylyl phosphate; Xylenol, phosphate (3:1); Xylyl phosphate. Trixylenyl (mixed) phosphate; antiwear and extreme pressure agents in non-crankcase lubricants; ferrous metal passivator; fluid base stock where inhibition of flame propagation is desired. Liquid; bp_{10} = 243-265°; d = 1.155; insoluble in H_2O, soluble in organic solvents. *Akzo Chemie.*

3009 Phosphorous acid, 2-(1,1-dimethylethyl)-4-(1-(3-(1,1-dimethylethyl)-4-hydroxyphenyl)-1-methylethyl)phenyl bis(4-nonylphenyl) ester

20227-53-6 H



$C_{53}H_{77}O_4P$

2-(tert-Butyl)-4-(1-(3-(tert-butyl)-4-hydroxyphenyl)-1-methylethyl)phenyl bis(4-nonylphenyl) phosphite.

2-(tert-Butyl)-4-(1-(3-(tert-butyl)-4-hydroxyphenyl)-1-methylethyl)phenyl bis(4-nonylphenyl) phosphite; EINECS 243-610-4; Phosphorous acid, 2-(1,1-dimethylethyl)-4-(1-(3-(1,1-dimethylethyl)-4-hydroxyphenyl)-1-methylethyl)-phenyl bis(4-nonylphenyl) ester; Phosphorous acid, 2-t-butyl-alpha-(3-t-butyl-4-hydroxyphenyl)-p-cumenyl bis(p-nonylphenyl) ester.

3010 Phosphorus

7723-14-0 7433 G P

P

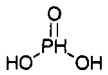
P

Violet phosphorus.

Amgard CPC; Amgard CPC 405; Black phosphorus; Bonide blue death rat killer; Caswell No. 663; Common sense cockroach and rat preparations; EINECS 231-768-7; EPA Pesticide Chemical Code 066502; Exolit 385; Exolit 405; Exolit LPKN; Exolit LPKN 275; Exolit RP 605; Exolit RP 650; Exolit RP 652; Exolit RP 654; Exolit VPK-n 361; FR-T 2 (element); Gelber phosphor; Hishigado; Hishigado AP; Hishigado CP; Hishigado NP 10; Hishigado PL; Hittorf's phosphorus; Hostaflam RP 602; Hostaflam RP 614; Hostaflam RP 622; Hostaflam RP 654; HSDB 1169; Masteret 70450; Nova Sol R 20; Novaexcel 140; Novaexcel 150; Novaexcel F 5; Novaexcel ST 100; Novaexcel ST 140; Novaexcel ST 300; Novared 120UF; Novared 120UFA; Novared 120VFA; Novared 140; Novared 280; Novared C 120; Novared F 5; NVE 140; Phosphorus; Phosphorus (red); Phosphorus-31; Phosphorus, amorphous; Phosphorus, white; Rat-Nip; Red phosphorus; Violet phosphorus; White Phosphorus. The coarse-grained red allotrope of phosphorus is metallic or violet phosphorus. Registered by EPA as a rodenticide (cancelled). Red-violet powder; sublimes 416°; d = 2.34; insoluble in organic solvents.

3011 Phosphorus acid

13598-36-2 7432 G



H_3O_3P

Orthophosphorous acid.

Dihydroxyphosphine oxide; EINECS 237-066-7; Orthophosphorus acid; Phosphonic acid; Phosphorous acid; Phosphorus trihydroxide; Trihydroxyphosphine. Intermediate for manufacture of diphosphonic acids and phosphite salts used as pesticides, chelates, and plastic additives; restricts color formation in esterification and condensation reactions (in small quantities); chemical reducing agent. Usually marketed as a 20% aqueous solution. White solid; mp = 73°; d_4^{21}= 1.65; soluble in H_2O, EtOH. *Albright & Wilson Americas Inc.; Astra Hassle AB; CK Witco Corp.; Janssen Chimica; Lonzagroup; Rasa.*

3012 Phosphorus chloride

7719-12-2 7444 G

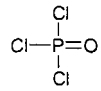
Cl_3P

Phosphorus trichloride.

EINECS 231-749-3; Fosforo(tricloruro di); Fosfor-trichloride; HSDB 1031; Phosphine, trichloro-; Phosphore(trichlorure de); Phosphorous chloride; Phosphorous trichloride; Phosphortrichlorid; Phosphorus chloride; Phosphorus chloride (PCl_3); Phosphorus trichloride; Trichlorophosphine; Trojchlorek fosforu; UN1809. Used in manufacture of phosphite and phosphonate esters as the source of phosphorus; chlorinating agent in manufacture of organic acid chlorides; analysis; catalyst. Liquid; mp = -112°; bp = 76°; d_4^{21}= 1.574; reacts with H_2O, EtOH; soluble in organic solvents; LD_{50} (rat orl) = 18 mg/kg. *Albright & Wilson Americas Inc.; Atomergic Chemetals; FMC Corp.; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

3013 Phosphorus oxychloride

10025-87-3 7435 G



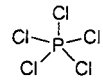
Cl_3OP

Phosphoryl chloride.

EINECS 233-046-7; Fosforoxychlorid; HSDB 784; Oxychlorid fosforecny; Phosphoric trichloride; Phosphoroxychloride; Phosphorus chloride oxide ($POCl_3$); Phosphorus oxide trichloride; Phosphorus oxychloride; Phosphorus oxytrichloride; Phosphoryl chloride; Phosphoryl trichloride; Trichlorophosphine oxide; Trichlorophosphorus oxide; UN1810. Chlorinating agent, used in the manufacture of insecticides, phosphate esters, pharmaceuticals; gasoline additives; dopant for semiconductor grade silicon, tricresyl phosphate, and fire-retarding agents. Liquid; mp = 1°; bp ■ 105°; d = 1.6450. *Albright & Wilson Americas Inc.; Cerac; FMC Corp.; Hoechst Celanese; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

3014 Phosphorus pentachloride

10026-13-8 7437 G



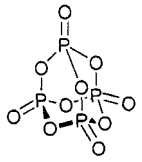
Cl_5P

Phosphorus(V) chloride.

EINECS 233-060-3; Fosforo(pentacloruro di); Fosfor-pentachloride; HSDB 1205; Pentachlorophosphorane; Phosphorane, pentachloro-; Phosphore(pentachlorure de); Phosphoric chloride; Phosphoric perchloride; Phosphorous pentachloride; Phosphorpentachlorid; Phosphorus chloride (PCl_5); Phosphorus pentachloride; Phosphorus perchloride; Phosphorus(V) chloride; Pieciochlorek fosforu; UN1806. Used as a chlorinating and dehydrating agent and catalyst. Solid; mp = 148°; bp = 160°; d = 1.6000. *Atomergic Chemetals; Cerac; Hoechst Celanese; Sigma-Aldrich Fine Chem.*

3015 Phosphorus pentoxide

1314-56-3 7441 G P



O_5P_2

Phosphorus(V) oxide.

Diphosphorus pentaoxide; Diphosphorus pentoxide; EINECS 215-236-1; HSDB 847; Phosphoric acid anhydride; Phosphoric acid, anhydrous; Phosphoric anhydride; Phosphoric oxide; Phosphoric pentoxide; Phosphorus oxide; Phosphorus oxide (P_2O_5); Phosphorus, oxide, pent-; Phosphorus pentaoxide; Phosphorus pentoxide; UN1807. Used in manufacture of chemicals, dessicant (drying agent), surfactants, condensing agent in organic synthesis, sugar refining, lab reagent, fire extinguishing, special glasses. Deliquescent hexagonal crystals; mp = 340°; d = 2.390; very soluble in H_2O, reacts to form phosphoric acid. *Albright & Wilson UK Ltd.; Cerac; Elf Atochem N. Am.; Hoechst Celanese; Rasa; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

3016 Phosphotungstic acid

12067-99-1 7450 G

$H_6O_{56}P_2W_{24}.24H_2O$

Phosphotungstic acid hydrate.

EINECS 235-087-6; Phosphotungstic acid; Tungsten hydroxide oxide phosphate; Tungstophosphoric acid. Reagent in analytical chemistry to detect alkaloids and other nitrogenous bases and in biology; manufacture of organic pigments; additive in plating industry; imparts water resistance to plastics, adhesives, cement; catalyst for organic reactions; photographic fixative; textile antistat. Yellow-green crystals; soluble in H_2O (200 g/100 ml), EtOH, Et_2O. *Atomergic Chemetals; Noah Chem.; Spectrum Chem. Manufacturing.*

3017 Phostoxin

20859-73-8 358 G P

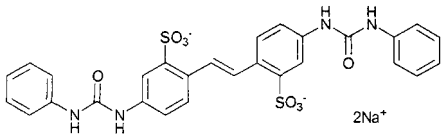
AlP

Aluminum Monophosphide.

AL-Phos; AlP; Aluminium fosfide; Aluminium phosphide; Aluminum monophosphide; Aluminum phosphide; Aluminum phosphide (AlP); Caswell No. 031; Celphide; Celphine; Celphos; Celphos (indian); Delicia; Delicia gastoxin; Detia; Detia-Ex-B; Detia gas Ex-B; EINECS 244-088-0; EPA Pesticide Chemical Code 066501; Fosfuri di alluminio; L-Fume; Fumitoxin; Gastion; Gastoxin; HSDB 6035; Phos-Kill; Phosphures d'alumium; Phostoxin; Phostoxin-A; Quick-Phos;; Quickphos; Quik-Fume; RCRA waste number P006; UN1397. Reacts with water to give phosphine (PH_3). Used for gassing of rabbits and moles. Registered by EPA as an insecticide. Dark gray-yellow crystals; stable below 1000°; d^{15}_4 = 2.85. *Bernardo Chemicals Inc.; D&D Holdings Inc.; Inventa Corp.; Kommer-Brookwick Ltd.; Midland Fumigant Inc.*

3018 Photine

2606-93-1 1309 G



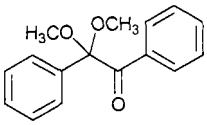
$C_{28}H_{22}N_4Na_2O_8S_2$

Disodium 4,4'-bis(3-phenylureido)stilbene-2,2'-disulfon-ate.

Amar White RWS; Benzensulfonic acid, 2,2'-(1,2-ethenediyl)bis(5-; Blancol C; Blancophor R; Blankophor R; C.I. 40600; C.I. Fluorescent Brightener 30; EINECS 220-021-0; Leucophor R; Lumisol RV; (((Phenyl-amino)carbonyl)amino)-, disodium salt; Phorwite RN; Photine R; Pontamine White BR; Tintophen X. Fluorescent whitening agents used with paper textiles and detergents. *Hickson & Welch Ltd.*

3019 Photocure 51

24650-42-8 G



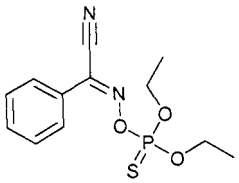
$C_{16}H_{16}O_3$

2,2-Dimethoxy-2-phenylacetophenone.

Benzil dimethyl acetal; Benzil dimethyl ketal; Benzil mono(dimethyl acetal); Benzil mono(dimethyl ketal); α,α-Dimethoxy-α-phenylacetophenone; α,α-Dimethoxy-deoxybenzoin; 2,2-Dimethoxy-1,2-diphenylethan-1-one; 2,2-Dimethoxy-1,2-diphenylethanone; 2,2-Dimethoxy-2-phenylacetophenone; 2,2-Dimethoxyphenylaceto-phen-one; ω,ω-Dimethoxy-ω-phenylacetophenone; 1,2-Diphenyl-2,2-dimethoxyethanone; 1,2-Diphenylethane-1,2-dione, dimethyl ketal; DMPA; EINECS 246-386-6; Esacure KB 1; Ethanone, 2,2-dimethoxy-1,2-diphenyl-; IR 651; IRG 651; Irgacure 621; Irgacure 641; Irgacure 651; Irgacure 951; Irgacure E 651; Irgacure I 651; Kayacure BDMK; KB 1; Lucirin BDK; 2-Phenyl-2,2-dimethoxy-acetophenone; Photomer 51. UV photoinitiator. Crystals; mp = 67-70°. *Aceto Corp.*

3020 Phoxim

14816-18-3 7452 G P



$C_{12}H_{15}N_2O_3PS$

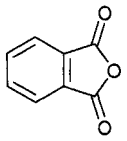
4-Ethoxy-7-phenyl-3,5-dioxa-6-aza-5-phosphaoct-6-ene-8-nitrile 4-sulfide.

AI3-27448; B 77488; BAY 5621; BAY 77488; BAY sra 7502; Bayer 77488; Baythion; Benzeneacetonitrile, -(((diethoxyphosphinothioyl)oxy)imino)-; Benzoyl cyanide O-(diethoxyphosphinothioyl)oxime; Caswell No. 902L; O,O-Diaethyl-O-(α -cyano-benzyliden-amino)-mono-thiophosphat; O,O-Diaethyl-O-(α-cyan-benzyliden-amino)thionphosphat; O,O-Diäthyl-O-(α-cyano-benz-ylidenamino)-mono-thiophosphat; O,O-Diäthyl-O-(α-cyanbenzyliden-amino)-thionphosphat; Diethoxyphosphinothioyloxyimino(phenyl)acetonitrile; α -(((Diethoxyphosphinothioyl)oxy)imino)benzeneaceto-nitrile; (Diethoxythiophosphoryloxyimino)-phenyl acetonitrile; 2-(Diethoxyphosphinothioyloxyimino)-2-phenyl-acetonitrile; O,O-Diethyl phosphorothioate, O-ester with phenylglyoxylonitrile oxime; O,O-Diethyl α-cyano-benzylideneamino-oxyphosphono-thioate; O,O-Diethyl-α-cyanobenzylidineaminooxyphosphonothiate; 3,5-Di-oxa-6-aza-4-phosphaoct-6-ene-8-nitrile, 4-ethoxy-7-phenyl-, 4-sulfide; 4-Ethoxy-7-phenyl-3,5-dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile 4-sulfide; EINECS 238-887-3; ENT 27488; EPA Pesticide Chemical Code 598800; Foxima; Glyoxylonitrile, phenyl-, oxime,

O,O-diethyl phosphorothioate; OMS 1170; Phenylglyoxylnitrile oxime O,O-diethyl phosphorothioate; Phoxim; Phoxime; Phoximum; Phoxin; Sebacil; Sebacil®; SRA 7502; Valexon; Valexone; Volaton; Volthion®. Foliage- and soil-applied insecticide for control of lepidopterous larvae, beetles and their larvae and locusts on a wide range of crops including cotton maize and vegetables. For control of all ectoparasites, especially mange mites of domestic animals; veterinary medicine. Yellow liquid; mp = 5 - 6°; dec. on distillation; sg^{20} = 1.176; slightly soluble in H_2O (0.0007 g/100 ml at 20°), soluble in C_7H_8, CH_2Cl_2, i-PrOH (all > 20 g/100 ml), slightly soluble in hydrocarbons and vegetable and mineral oils; LD_{50} (rat orl) = 1976 - 2170 mg/kg, (mus orl) = 1935 - 2340 mg/kg, (rbt orl) = 250 - 375 mg/kg, (dog, cat orl) = 250 - 500 mg/kg, (gpg orl) ≅600 mg/kg, (rat der) > 1000 mg/kg, (ckn orl) = 40 mg/kg; LC_{50} (rat ihl 1 hr.) = 3.2 mg/l air, (rainbow trout 48 hr.) = 0.1 - 1.0 mg/l, (mirror carp 48 hr.) = 0.1 - 1.0 mg/l, (goldfish 48 hr.) = 1 - 10 mg/l; toxic to bees. *Bayer AG; Bayer Corp., Agriculture; Bayer Corp.*

3021 Phthalic anhydride

85-44-9 7457 H



$C_8H_4O_3$

o-Phthalic acid anhydride.

AI3-04869; Anhydrid kyseliny ftalove; Anhydride phtalique; Anidride ftalica; CCRIS 519; EINECS 201-607-5; ESEN; Ftaalzuuranhydride; Ftalanhydrid; Ftalowy bezwodnik; HSDB 4012; Isobenzofuran, 1,3-dihydro-1,3-dioxo-; NCI-C03601; NSC 10431; Pan; Phthalandione; Phthalic acid anhydride; o-Phthalic acid anhydride; Phthalic anhydride; Phthalsaeureanhydrid; Phthalsäure-anhydrid; RCRA waste number U190; Retarder AK; Retarder esen; Retarder PD; TGL 6525; UN2214; Vulkalent B; Vulkalent B/C; Wiltrol P. Modified phthalic anhydride; nondiscoloring retarding agent used to reduce scorching of rubber compounds at processing temps; also acts as an activator for certain blowing agents. Used in alkyd resins and plasticizers, as a hardener for resins, polyester, in insecticides, as a laboratory reagent, in the manufacture of phthaleins, phthalates, benzoic acid. White needles, mp = 130.8°; bp = 295°; d^4 = 1.527; λ_m = 224, 274 nm (ε = 8770, 1290, MeOH); soluble in H_2O (6 mg/ml), more soluble in organic solvents. *Akrochem Chem. Co.; Aristech; BASF Corp.; Elf Atochem N. Am.; ExxonMobil Chem. Co.; Mitsubishi Gas; Mitsui Toatsu; OxyChem; Sigma-Aldrich Fine Chem.; Stepan; UCB Res. Inc.*

3022 Phthalic anhydride, polyester with ethylene glycol, maleic anhydride and 1,2-propanediol

26588-55-6 H

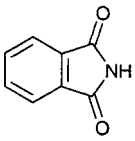
$(C_8H_4O_3.C_4H_2O_3.C_3H_8O_2.C_2H_6O_2)_x$

Phthalic anhydride, maleic anhydride, ethylene glycol, propylene glycol polymer.

Ethylene glycol, phthalic anhydride, propylene glycol, maleic anhydride polymer; 1,3-Isobenzofurandione, 1,2-ethanediol, 2,5-furandione, 1,2-propanediol polymer; 1,3-Isobenzofurandione, polymer with 1,2-ethanediol, 2,5-furandione and 1,2-propanediol; Maleic anhydride, phthalic anhydride, ethylene glycol, propylene glycol polymer; Phthalic anhydride, maleic anhydride, ethylene glycol, propylene glycol polymer; Phthalic anhydride, polyester with ethylene glycol, maleic anhydride and 1,2-propanediol; Phthalic anhydride, propylene glycol, maleic anhydride, ethylene glycol polymer; Polymer of propylene glycol, phthalic anhydride, maleic anhydride, ethylene glycol; 1,2-Propanediol, 1,2-ethanediol, cis-butenedioic anhydride, phthalandione polymer; Propylene glycol, ethylene glycol, maleic anhydride, phthalic anhydride polymer.

3023 Phthalimide

85-41-6 7458 H



$C_8H_5NO_2$

1,2-Benzenedicarboximide.

5-21-10-00270 (Beilstein Handbook Reference); AI3-07565; Benzoimide; BRN 0118522; EINECS 201-603-3; Ftalimmide; HSDB 5007; Isoindole-1,3-dione; NSC 3108; Phenylimide; o-Phthalic imide; Phthalimid; Phthalimide. Used in manufacture of fungicides such as Folpet and Phosmet. Crystals; mp = 238°; λ_m = 216, 229, 237, 291 (ε = 30500, 12900, 8960, 1390, MeOH); very soluble in C_6H_6; soluble in EtOH (5g/100 ml at 76°), slightly soluble in H_2O. *Allchem Ind.*

3024 Phthalocyanine green

1328-53-6 H

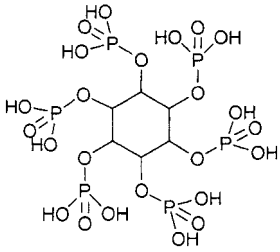
Phthalocyanine Green.

Accosperse Cyan Green G; Brilliant Green Phthalocyanine; Calcotone Green G; CCRIS 4702; Ceres Green 3B; Chromatex Green G; CI 74260; CI Pigment Green 7; CI Pigment Green 42; Colanyl Green GG; Copper Phthalocyanine Green; Cromophtal Green GF; Cromophthal Green GF; Cyan Green 15-3100; Cyanine Green GP; Cyanine Green NB; Cyanine Green T; Cyanine Green Toner; Dainichi Cyanine Green FGH; Dainichi Cyanine Green FG; Daltolite Fast Green GN; Duratint Green 1001; EINECS 215-524-7; Fastogen Green 5005; Fastogen Green B; Fastolux Green; Fenalac Green G Disp; Fenalac Green G; Granada Green Lake GL; Graphtol Green 2GLS; Heliogen Green 8680; Heliogen Green 8681K; Heliogen Green 8682T; Heliogen Green 8730; Heliogen Green A; Heliogen Green G; Heliogen Green GA; Heliogen Green GN; Heliogen Green GNA; Heliogen Green GTA; Heliogen Green GV; Heliogen Green GWS; Hostaperm Green GG; HSDB 4198; Irgalite Fast Brilliant Green GL; Irgalite Fast Brilliant Green 3GL; Irgalite Green GLN; Klondike Yellow X-2261; Lutetia Fast Emerald J; Microlit Green GK; Microlith Green G-FP; Monarch Green WD; Monastral Fast Green GF; Monastral Fast Green GD; Monastral Fast Green GN; Monastral Fast Green GNA; Monastral Fast Green GTP; Monastral Fast Green GV; Monastral Fast Green GWD; Monastral Fast Green GX; Monastral Fast Green GXB; Monastral Fast Green GYH; Monastral Fast Green LGNA; Monastral Fast Green BGNA; Monastral Fast Green G; Monastral Fast Green 2GWD; Monastral Fast Green GFNP; Monastral Green B; Monastral Green B Pigment; Monastral Green G; Monastral Green GFN; Monastral Green GH; Monastral Green GN; Monolite Fast Green GVSA; NCI-C54637; Non-flocculating Green G 25; Opaline Green G 1; Permanent Green Toner GT-376; Phthalocyanine Brilliant Green; Phthalocyanine Green; Phthalocyanine Green LX; Phthalocyanine Green V; Phthalocyanine Green VFT 1080; Phthalocyanine Green WDG 47; Pigment Fast Green G; Pigment Fast Green GN; Pigment green 7; Pigment Green 7; Pigment Green Phthalocyanine; Pigment Green Phthalocyanine V; Polychloro copper phthalocyanine; Polymo Green FBH; Polymo Green FGH; Polymon Green 6G; Polymon Green G; Polymon Green GN; Pv-Fast Green G; Ramapo; Resinated Phthalocyanine Green G-5025; Sanyo Cyanine Green; Sanyo Phthalocyanine Green FB Pure; Sanyo Phthalocyanine Green F6G; Segnale Light Green G; Sherwood Green A 4436; Siegle Fast Green G; SolFast Green; SolFast Green 63102; Synthaline Green; Termosolido Green FG Supra; Thalo Green No. 1; Versal Green G; Vulcal Fast Green F2G; Vulcanosine Fast Green G; Vulcol Fast Green F2G; Vynamon Green BE; Vynamon Green

BES; Vynamon Green GNA.

3025 Phytic acid

83-86-3 7471 G



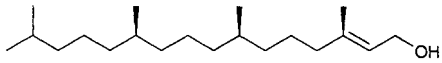
$C_6H_{18}O_{24}P_6$

Hexakis(dihydrogen phosphate) myo-inositol.

Acide fytique; Acido fitico; Acidum fyticum; Alkalovert; Alkovert; CCRIS 4513; EINECS 201-506-6; Fytic acid; Inosithexaphosphorsaeure; Inosithexaphosphorsäure; Ino-sitol, hexakis(dihydrogen phosphate), myo-; Inositol hexaphosphate; myo-Inosistol hexakisphosphate; myo-Inositol, hexakis(dihydrogen phosphate); myo-Inositol hexaphosphate; NSC 269896; Phytate; Phytic acid; Saeure des phytins; Säure des phytins. Used for chelation of heavy metals in processing of animal fats and vegetable oils; corrosion inhibitor, metal treating, in the treatment of hard water. The sodium salt is used medically as a hypocalcemic agent. Straw-colored viscous liquid; d= 1.2850; miscible with H_2O, insoluble in organic solvents. *A.G. Scientific, Inc.; Ciba-Geigy Corp.; Corn Products; Staley, A. E. Mfg.*

3026 Phytol

150-86-7 7474 G



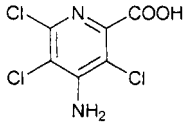
$C_{20}H_{40}O$

3,7,11,15-Tetramethyl-2-hexadecen-1-ol.

4-01-00-02208 (Beilstein Handbook Reference); AI3-24344; BRN 1726098; EINECS 205-776-6; 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-, (2E,7R,11R)-; 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-, (R-(R*,R*-(E)))-; Phytol; trans-Phytol; 3,7,11,15-Tetramethyl-2-hexadecen-1-ol; 3,7,11, 15-Tetramethylhexadec-2-en-1-ol. Formed in the decomposition of chlorophyll, the coloring matter of plants. Used in preparation of vitamins E and K. bp_{10} = 203°; d^{25} = 0.8497; LD_{50} (rat orl) >5 g/kg.

3027 Picloram

1918-02-1 7482 G H P



$C_6H_3Cl_3N_2O_2$

4-Amino-3,5,6-trichloro-2-pyridine carboxylic acid.

5-22-13-00585 (Beilstein Handbook Reference); Amdon; Amdon grazon; Borolin; BRN 0479075; Caswell No. 039; CCRIS 520; EINECS 217-636-1; EPA Pesticide Chemical Code 005101; Grazon; HSDB 1151; K-Pin; NCI-C00237; NSC 233899; Picloram; Piclorame; Tordon; Tordon 101 mixture; Tordon 10K; Tordon 22K; Tordon 22Kk-Pin. Herbicide; broadleaf and brush killer for forestry, grain and corn. Registered by EPA as a herbicide. Colorless crystals; dec. 215°; soluble in H_2O (0.0430 g/100 ml), Me_2CO (1.98 g/100 ml), EtOH (1.05 g/100 ml), I-PrOH (0.55 g/100 ml), CH_3CN (0.16 g/100 ml), Et_2O (0.12 g/100 ml), CH_2Cl_2 (0.16 g/100 ml), C_6H_6 (0.02 g/100 ml), CS_2 (< 0.005 g/100 ml); LD_{50} (rat orl) = 8200 mg/kg, (mus orl) = 2000 - 4000 mg/kg, (rbt orl) = 2000 mg/kg, (gpg orl) = 3000 mg/kg, (sheep orl > 1000 mg/kg, (cattle orl) > 750 mg/kg, (rbt der) > 4000 mg/kg, (ckn orl) = 6000 mg/kg; LC_{50} (mallard duck, bobwhite quail, Japanese quail 8 day dietary) > 5000 mg/kg, (rainbow trout 96 hr.) = 19.3 mg/l, (bee) = 1000 mg/kg; non-toxic to bees. *Chipman Ltd.; Dow AgroSciences; Dow UK.*

3028 α-Picoline

109-06-8 7484 G H

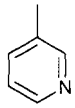
C_6H_7N

2-Methylpyridine.

AI3-2409; AI3-24109; CCRIS 1721; EINECS 203-643-7; HSDB 101; α-Methylpyridine; 2-Methylpyridine; NSC 3409; Picoline; α-Picoline; 2-Picoline; o-Picoline; Pyridine, 2-methyl-; RCRA waste number U191; UN2313. Organic intermediate for pharmaceuticals, dyes, rubber chemicals, solvent, source for vinyl pyridine, laboratory reagent. Liquid; mp = -66.7°; bp = 129.3°; d^{20} = 0.9443; λ_m = 256, 261, 268 nm (MeOH); soluble in CCl_4, very soluble in H_2O, Me_2CO, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 790 mg/kg. *Lancaster Synthesis Co.; Lonzagroup; Nepera.*

3029 β-Picoline

108-99-6 7485 G H



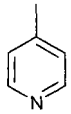
C_6H_7N

3-Methylpyridine.

AI3-24110; CCRIS 1722; EINECS 203-636-9; HSDB 4254; m-Methylpyridine; β-Methylpyridine; 3-Methyl-pyridine; NSC 18251; β-Picoline; 3-Picoline; m-Picoline; Pyridine, 3-methyl-; UN2313. Used as a solvent in synthesis of pharmaceuticals, resins, dyestuffs, rubber accelerators, insecticides; preparation of nicotinic acid, nicotinic acid amide, waterproofing agents; laboratory reagent. Liquid; mp = -18.1°; bp = 144.1°; d^{20} = 0.9566; λ_m = 257, 262, 269 nm (MeOH); soluble in CCl_4, very soluble in Me_2CO, freely soluble in H_2O, EtOH, Et_2O; LD_{50} (rat orl) = 400 mg/kg. *Lancaster Synthesis Co.; Nepera.*

3030 γ-Picoline

108-89-4 7486 G H



C_6H_7N

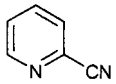
4-Methylpyridine.

AI3-24111; Ba 35846; CCRIS 1723; EINECS 203-626-4; HSDB 5386; 4-Methylpyridine; p-Methylpyridine; NSC 18252; 4-Picoline; p-Picoline; γ-Picoline; Pyridine, 4-methyl-; UN2313. Solvent used in

the synthesis of pharmaceuticals, resins, dyestuffs, rubber accelerators, pesticides, waterproofing agents; laboratory reagent; manufacture of isoniazid; catalyst; curing agent. Liquid; mp = 3.66°; bp = 145.3°; d^{20} =).9548; λ_m = 255, 262 nm (MeOH); soluble in Me_2CO, CCl_4, freely soluble in H_2O, EtOH, Et_2O; LD_{50} (rat orl) = 1290 mg/kg. *Lancaster Synthesis Co.; Lonzagroup.*

3031 Picolinonitrile

100-70-9 H



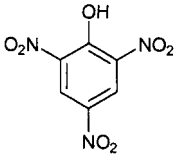
$C_6H_4N_2$

2-Pyridinecarbonitrile.

2-Cyanopyridine; EINECS 202-880-3; HSDB 5338; NSC 59697; Picolinic acid nitrile; Picolinonitrile; 2-Pyridinecarbonitrile; 2-Pyridinecarboxylic acid, nitrile; 2-Pyridyl nitrile. Needles; mp = 29°; bp = 224.5°; d^{25} = 1.0810; λ_m = 216, 219, 260, 265, 273 nm (MeOH); slightly soluble in CCl_4, ligroin, soluble in H_2O, $CHCl_3$, very soluble in EtOH, Et_2O, C_6H_6.

3032 Picric acid

88-89-1 7492 G



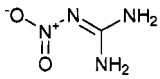
$C_6H_3N_3O_7$

2,4,6-Trinitrophenol.

Acide picrique; Acido picrico; Acidum picrinicum; AI3-15403; C.I. 10305; Carbazotic acid; CCRIS 3106; CI 10305; EINECS 201-865-9; HSDB 2040; 2-Hydroxy-1,3,5-trinitrobenzene; Kyselina pikrova; Melinite; NA1344; Nitroxanthic acid; NSC 36947; Phenol, 2,4,6-trinitro-; Phenol trinitrate; Picral; Picric acid; Picronitric acid; Pikrinezuur; Pikrinsaeure; Pikrinsäure; Pikrynowy kwas; Reflorit; Trinitrophenol; 1,3,5-Trinitrophenol; 2,4,6-Trinitrofenol; 2,4,6-Trinitrofenolo; 2,4,6-Trinitrophenol; UN0154; UN1344. Explosive, used in matches, for etching copper and production of colored glass. Also used in the disinfection of seed-corn. Yellow crystals; mp = 122.5°; bp > 300° (explosive); d = 1.763; λ_m = 350 nm (ε = 6740 MeOH); soluble in H_2O (1.28 g/100 ml), more soluble in organic solvents.

3033 Picrite

556-88-7 6641 H



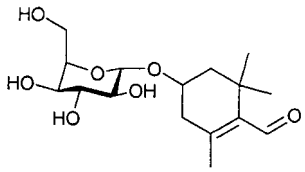
$CH_4N_4O_2$

1-Nitroguanidine.

AI3-16306; EINECS 209-143-5; Guanidine, nitro-; Guanidine, 1-nitro-; HSDB 5693; Nitroguanidine; 1-Nitroguanidine; 2-Nitroguanidine; NSC 41036; Picrite; Picrite (the explosive); UN0282; UN1336. Needles or prisms; mp = 239° (dec); λ_m = 218, 266 nm (ε = 6310, 15849, EtOH); insoluble in Et_2O, slightly soluble in H_2O, EtOH, very soluble in alkali.

3034 Picrocrocin

138-55-6 7493 G



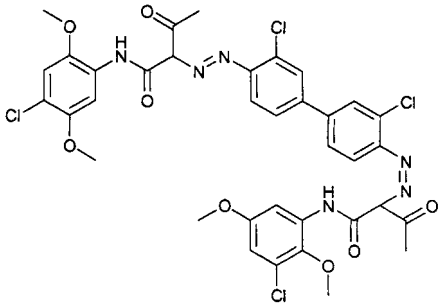
$C_{16}H_{26}O_7$

(R)-4-(β-D-glucopyranosyloxy)-2,6,6-trimethyl-1-cyclo-hexene-1-carboxaldehyde.

1-Cyclohexene-1-carboxaldehyde, 4-(β-D-glucopyran-osyloxy)-2,6,6-trimethyl-, (R)-; (R)-4-(β-D-Glucopyran-osyloxy)-2,6,6-trimethyl-1-cyclohexene-1-carboxaldeh-yde; 4-(β-D-Glucopyranosyloxy)-2,6,6-trimethyl-1-cyclo-hexene-1-carboxaldehyde; Picrocrocin. From the stigmas of *Crocus Sativus L. Iridaceae.* Important in growth control of the plant. Crystals; mp = 154-156°; $[\alpha]_D^{20}$ = -58° (c = 0.6); soluble in H_2O, EtOH, less soluble in organic solvents.

3035 Pigment yellow 83

5567-15-7 H



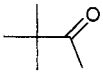
$C_{36}H_{32}Cl_4N_6O_8$

2,2'-((3,3'-Dichloro-1,1'-biphenyl)-4,4'-diyl)bis(azo)bis(N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutanamide).

Acetoacetanilide, 2,2"-((3,3'-dichloro-4,4'-biphenylyl-ene)bis(azo))bis(4'-chloro-2',5'-dimethoxy-; CI 21108; Pigment yellow 83; EINECS 226-939-8.

3036 Pinacolone

75-97-8 7522 G H

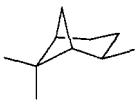


$C_6H_{12}O$

Methyl tert-butyl ketone.

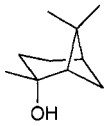
4-01-00-03310 (Beilstein Handbook Reference); AI3-03075; BRN 1209331; t-Butyl methyl ketone; tert-Butyl methyl ketone; EINECS 200-920-4; HSDB 5210; Ketone, t-butyl methyl; Ketone, tert-butyl methyl; Methyl t-butyl ketone; Methyl tert-butyl ketone; NSC 935; Pinacolin; Pinacoline; Pinacolone; Pinakolin. Used in chemical synthesis, manufacture. Liquid; mp = -52.5°; bp = 106.1°; d^{25} = 0.7229; slightly soluble in H_2O (2.5 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 610 mg/kg. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

3037 **cis-Pinane**
6876-13-7 H



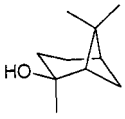
$C_{10}H_{18}$
Bicyclo(3.1.1)heptane, 2,6,6-trimethyl-, (1α,2β,5α)-.
AI3-26466; Bicyclo(3.1.1)heptane, 2,6,6-trimethyl-, (1R,2S,5R)-rel-; EINECS 229-978-9; Pinane, stereoisomer; (1α,2β,5α)-2,6,6-Trimethylbicyclo(3.1.1)heptane.

3038 **Pinan-2α-ol**
4948-28-1 H



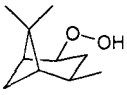
$C_{10}H_{18}O$
Bicyclo(3.1.1)heptan-2-ol, 2,6,6-trimethyl-, (1α,2α,5α)-.
Bicyclo(3.1.1)heptan-2-ol, 2,6,6-trimethyl-, (1R,2S,5S)-rel-; Bicyclo(3.1.1)heptan-2-ol, 2,6,6-trimethyl-, (1α,2α,5α)-; Caswell No. 663L; EINECS 225-591-4; Pinan-2-α-ol; 2-Pinanol, cis-; (1α,2α,5α)-2,2,6-Tri-methylbicyclo(3.1.1)heptan-2-ol; 2,6,6-Trimethylbicyclo-(3.1.1)heptan-2-ol, (1α,2α,5α)-.

3039 **Pinan-2β-ol**
4948-29-2 H



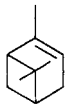
$C_{10}H_{18}O$
2-Pinanol, trans-.
Bicyclo(3.1.1)heptan-2-ol, 2,6,6-trimethyl-, (1α,2β,5α)-; Bicyclo(3.1.1)heptan-2-ol, 2,6,6-trimethyl-, (1R,2R,5S)-rel-; NSC 2326; Pinan-2β-ol; 2-Pinanol, trans-; trans-2-Pinanol; 2,6,6-Trimethylbicyclo(3.1.1)heptan-2-ol, (1α,2β,5α)-.

3040 **Pinane hydroperoxide**
28324-52-9 H



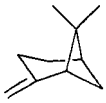
$C_{10}H_{18}O_2$
2,6,6-Trimethylbicyclo(3.1.1)hept-2-yl hydroperoxide.
AI3-19188; EINECS 248-969-0; Hydroperoxide, 2,6,6-trimethylbicyclo(3.1.1)heptyl; Pinane hydroperoxide; Pinanyl hydroperoxide.

3041 **(±)-α-Pinene**
80-56-8 7527 G H



$C_{10}H_{16}$
2,6,6-Trimethylbicyclo(3.1.1)-2-hept-2-ene.
4-05-00-00456 (Beilstein Handbook Reference); Acintene A; AI3-24594; Bicyclo(3.1.1)hept-2-ene, 2,6,6-trimethyl-; BRN 3194807; CCRIS 697; DL-Pin-2(3)-ene; EINECS 201-291-9; EINECS 219-445-9; FEMA Number 2902; HSDB 720; NSC 7727; UN2368. Solvent for protective coating, synthesis of camphene, pine oil, odorant, lube oil additives, flavoring, insecticides. Oil; mp = -55°; bp = 156.2°; d^{20} = 0.8582; insoluble in H_2O, soluble in organic solvents. *Arizona; Hercules Inc.; SCM Glidco Organics; Sigma-Aldrich Fine Chem.; Veitsiluoto Oy.*

3042 **β-Pinene**
127-91-3 7528 G H

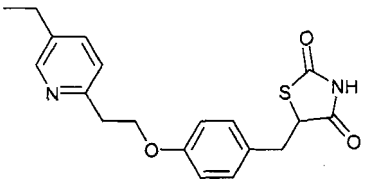


$C_{10}H_{16}$
2,2,6-Trimethylbicyclo(3.1.1)hept-2-ene.
AI3-24483; Bicyclo(3.1.1)heptane, 6,6-dimethyl-2-methylene-; (1)-6,6-Dimethyl-2-methylenebicyclo(3.1.1)-heptane; 6,6-Dimethyl-2-methylenebicyclo(3.1.1)hept-ane; 6,6-Dimethyl-2-methylenenorpinane; EINECS 204-872-5; EINECS 245-424-9; FEMA No. 2903; HSDB 5615; Nopinen; Nopinene; NSC 21447; β-Pinene; 2(10)-Pinene; Pin-2(10)-ene; Pseudopinen; Pseudopinene; Rosemarel; Terbenthene; Terebenthene. Found in many essential oils; used as a chemical intermediate and an intermediate for perfumes and flavorings. Oil; mp = -61.5°; bp = 166°; d^{15} = 0.874; $[\alpha]_D$ = -22°; insoluble in H_2O, soluble in C_6H_6, EtOH, Et_2O, $CHCl_3$. *Arizona; Penta Mfg.; SCM Glidco Organics.*

3043 **Pine Tar Oil**
8002-09-3 P

Pine needle oil.
Arizole; C 30 (pine oil); Caswell No. 665; Dertol 90; EPA Pesticide Chemical Code 067002; Essential oils, pine; Essential pine oil; Glico 150; Glidsol 150; Oil of fir - Siberian; Oil of pine; Oils, essential, pine; Oils, pine; Oils, pine, synthetic; Oils, pine wood; Oleum abietis; Oulo 02; Pine oil; Pine oil absolute; Pine oil, synthetic; Pine oil, white (*Pinus* spp.); Pine oil [Flammable liquid]; Pine oil [Oil, misc.]; Pine Oil C 30; Pine tar oil; Pine wood oil; Polyiff 272; RT 1712; Terpentinöl; Terpentinoel; UN1272; Unipine; Unipine 80; Unipine 85; Yarmor; Yarmor 60; Yarmor 302; Yarmor F; Yarmor pine oil; Yarmor pine oil (*Pinus palustris* MilL.). Disinfectant, possibly antibacterial. Used as a fragrance and as a disinfectant in household cleaners and laundries. Registered by EPA as a disinfectant. Pale yellow oil, d = ca. 0.9; bp = 200 - 220°; insoluble in H_2O, soluble in most organic solvents. *ABC Compounding Co.; Bullen Co; Bush Boake Allen (IFF bought 2000); Carroll Co.; Clorox Co.; Hercules Inc.; James Austin Co; JF Daley International Ltd; Lonza Ltd.; Mason; Millennium; National Chemical Laboratories, Inc.; Reckitt Benckiser Inc.; T&R Chemicals.*

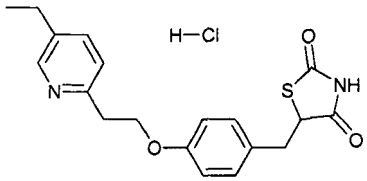
3044 **Pioglitazone**
111025-46-8 7533 D



$C_{19}H_{20}N_2O_3S$
(±)-5-[p-[2-[(5-Ethyl-2-pyridyl)ethoxy]benzyl]-2,4-thiazolidinedione.
Actos; AD-4833; Pioglitazona; Pioglitazone; Pioglitazon-um. Antidiabetic agent. Insulin sensitizer. Crystals; mp = 183-184°. *Takeda Chem. Ind. Ltd.*

3045 Pioglitazone hydrochloride

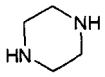
112529-15-4 7533 D



$C_{19}H_{21}ClN_2O_3S$
(±)-5-[p-[2-[(5-Ethyl-2-pyridyl)ethoxy]benzyl]-2,4-thiazol-idinedione monohydrochloride.
Actos; Pioglitazone hydrochloride; U-72107A. Antidia-betic agent. Insulin sensitizer. Crystals; mp = 193-194°. *Takeda Chem. Ind. Ltd.*

3046 Piperazine

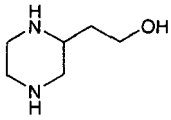
110-85-0 7545 G H



$C_4H_{10}N_2$
Hexahydropyrazine.
5-23-01-00030 (Beilstein Handbook Reference); Antiren; Asca-Trol No. 3; BRN 0102555; CCRIS 5950; 1,4-Diazacyclohexane; 1,4-Diethylenediamine; Diethylene-diamine; Diethyleneimine; Dispermine; EINECS 203-808-3; Entacyl; Eraverm; Hexahydro-1,4-diazine; Hexahydro-pyrazine; HSDB 1093; Lumbrical; NSC 474; Piper-azidine; Piperazin; Piperazine; 1,4-Piperazine; Pipersol; Pyrazine hexahydride; Pyrazine, hexahydro-; UN2579; Upixon; Uvilon; Vermex; Worm-A-Ton; Wurmirazin. Corrosion inhibitor, anthelmintic, insecticide and accelerator for curing polychloroprene. Plates or leaflets; mp = 106°; bp = 146°; λ_m = 196 nm (ε = 5012, gas); very soluble in H_2O, ethylene glycol, soluble in EtOH, $CHCl_3$, insoluble in Et_2O. *Allchem Ind.; BASF Corp.; Bayer AG; Janssen Chimica.*

3047 Piperazineethanol

25154-38-5 H



$C_6H_{14}N_2O$
Monohydroxyethylpiperazine.
EINECS 246-671-5; Hydroxyethylpiperazine; Mono-hydroxyethylpiperazine; Piperazineethanol.

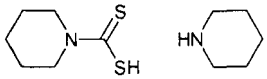
3048 Piperidine

110-89-4 7549 G H

$C_5H_{11}N$
Hexahydropyridine.
AI3-24114; Azacyclohexane; CCRIS 967; Cyclo-pentimine; Cypentil; EINECS 203-813-0; FEMA No. 2908; Hexahydropyridine; Hexazane; HSDB 114; Pentamethyleneimine; Pentamethylenimine; Perhydro-pyridine; Piperidin; Piperidine; Pyridine, hexahydro-; UN2401. Solvent and intermediate, curing agent for rubber and epoxy resins, catalyst for condensation reactions, ingredient in oils and fuels, complexing agent. Liquid; mp = -11.03°; bp = 106.2; d^{20} = 0.8606; λ_m = 190 nm (ε = 4677, cyclohexane); very soluble in H_2O, EtOH, soluble in Et_2O, Me_2CO, $CHCl_3$, C_6H_6; LD_{50} (rat orl) ■ 400 mg/kg. *Janssen Chimica; Lancaster Synthesis Co.; Nepera; Sigma-Aldrich Fine Chem.*

3049 Piperidinium pentamethylene dithiocarb-amate

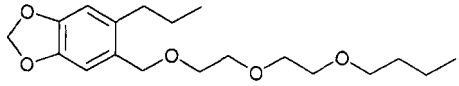
98-77-1 G



$C_{11}H_{22}N_2S_2$
Piperidinecarbodithioic acid, piperidinium salt.
522 Rubber accelerator; Accelerator 552; AI3-03659; Akrochem® P.P.D; EINECS 202-698-4; NSC 1906; Pentamethyleneammonium pentamethylenedithiocarb-amate; PIP; Pip-Pip; 1-Piperidinecarbodithioic acid, compound with piperidine; 1-Piperidinecarbodithioic acid, piperidine salt; Piperidine pentamethylene-dithiocarbamate; Piperidinium N,N-pentamethylene-dithiocarbamate; Piperidinium pentamethylene dithio-carbamate; Piperidinium piperidine-1-carbodithioate; Piperidinium piperidinedithiocarbamate; PMP (accel-erator); Vanax® 552. Accelerator for latex; in rubber cements, compounds containing white factice and for tank linings; peptizing agent; nondiscoloring and nonstaining. Crystals; mp = 167° (dec); insoluble in H_2O, soluble in $CHCl_3$, Me_2CO; C_7H_8, EtOH; poisonous by ingestion; eye irritant. *Akrochem Chem. Co.; Vanderbilt R.T. Co. Inc.*

3050 Piperonyl butoxide

51-03-6 7557 G

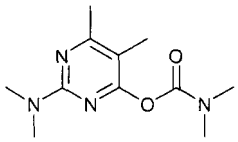


$C_{19}H_{30}O_5$
4,5-methylenedioxy-2-propylbenzyldiethylene *glycol butyl ether.*
4-19-00-00779 (Beilstein Handbook Reference); AI3-14250; Anvil 10+10 ULV; Anvil 2+2 ULV; BRN 0288063; Butacide; Butocide; Butoxide; Butoxide (synergist); Butyl carbitol 6-propylpiperonyl ether; (Butylcarbityl)(6-propylpiperonyl)ether; Caswell No. 670; CCRIS 522; EINECS 200-076-7; ENT 14,250; EPA Pesticide Chemical Code 067501; Ethanol butoxide; FMC 5273; HSDB 1755; NCI-C02813; NIA 5273; NSC 8401; Nusyn-noxfish; PB; Piperonyl butoxide; Piperonyl butoxyde; Pyrenone 606; Scourge. Synergist in insecticides, especially pyethrins and rotenone; used in combinations with pyrethrins (Derringer, Duracide, Grovex, Prentox;

Scourge). $bp_{1.0}$ = 180°; d = 1.04-1.07; n_D^{20} = 1.50; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 7500 mg/kg. *Burlington Biomedical; Wellcome Foundation Ltd.*

3051 Pirimicarb

23103-98-2 7579 GHP



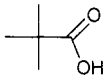
$C_{11}H_{18}N_4O_2$

2-(Dimethylamino)-5,6-dimethyl-4-pyrimidinyl N,N-dimethylcarbamate.

5-25-13-00063 (Beilstein Handbook Reference); ABOL; Aficida; AI3-27766; Aphox; BRN 0663442; Carbamic acid, dimethyl-, 2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl ester; Caswell No. 359C; 2-(Dimethylamino)-5,6-dimethyl-4-pyrimidinyldimethylcarbamate; Dimethyl-carbamic acid 2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl ester; 5,6-Dimethyl-2-dimethylamino-4-pyrimidinyldimethylcarbamate; 5,6-Dwumetylo-2-dwumetylo-amino-4-pirimidynylodwukarbaminian; EINECS 245-430-1; ENT-27766; EPA Pesticide Chemical Code 106101; Fernos; HSDB 7005; Pirimicarb; Pirimicarbe; Pirimor; Pirimor 50 DP; Pirimor G; Pirimor granulate; PP 062; Primicarbe; Pyrimor; RapidGarden aphicide and insecticide. Registered by EPA as an insecticide. Crystals; mp = 90.5°; soluble in H_2O (0.27 g/100 ml), Me_2CO (0.4 g/100 ml), EtOH ().25 g/100 ml), xylene (0.29 g/100 ml), $CHCl_3$ (0.33 g/10 ml); LD_{50} (rat orl) = 147 mg/kg, (mus orl) = 107 mg/kg, (dog orl) = 100 - 200 mg/kg, (rat der) > 500 mg/kg, (poultry orl) = 25 - 50 mg/kg, (mallard duck orl) = 17.2 mg/kg, (bobwhite quail orl) = 8.2 mg/kg; LC_{50} (rainbow trout 96 hr.) = 29 mg/l, (bluegill sunfish (96 hr.) = 55 mg/l; non-toxic to bees. *ICI Chem. & Polymers Ltd.; Syngenta Crop Protection; Zeneca Pharm.*

3052 Pivalic acid

75-98-9 7594 H



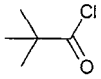
$C_5H_{10}O_2$

2,2-Dimethylpropanoic acid.

4-02-00-00908 (Beilstein Handbook Reference); Acetic acid, trimethyl-; AI3-04165; BRN 0969480; EINECS 200-922-5; HSDB 5211; Kyselina 2,2-dimethylpropionova; Kyselina pivalova; Neopentanoic acid; NSC 65449; tert-Pentanoic acid; Pivalic acid; Propionic acid, 2,2-dimethyl-; Trimethylacetic acid; Versatic 5. Solid; mp = 35°; bp = 164°; d^{50} = 0.905; soluble in H_2O (2.5 g/100 ml), more soluble in EtOH, Et_2O. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Shiva Pharmachem; Sigma-Aldrich Fine Chem.*

3053 Pivaloyl chloride

3282-30-2 H



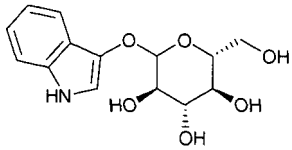
C_5H_9ClO

2,2-Dimethylpropanoyl chloride.

2,2-Dimethylpropanoyl chloride; EINECS 221-921-6; Pivaloyl chloride; Propanoyl chloride, 2,2-dimethyl-; Trimethylacetyl chloride; UN2438. Liquid; bp = 107°; d^{20} = 1.003; very soluble in Et_2O.

3054 Plant indican

487-60-5 4967 G



$C_{14}H_{17}NO_6$

1H-Indol-3-yl-β-D-glucopyranoside.

'β-D-Glucopyranoside, 1H-indol-3-yl; 3-(Glucosyloxy)-indole; Indican (glucoside); Indican (plant indican); Indican, plant; Indikan; Indole, 3-(β-D-glucopyranosyl-oxy)-; 1H-Indol-3-yl β-glucopyranoside; Indoxyl-β-D-glucoside; NSC 87517; Uroxanthin. Found in leaves of *Indigofera tinctoria*. Crystals; mp = 57-58°; $[\alpha]_D^{18}$ = -66°; soluble in H_2O, organic solvents.

3055 Platinum

7440-06-4 7612 G

Pt

Pt

Platinum.

C.I. 77795; EINECS 231-116-1; HSDB 6479; Liquid bright platinum; Platin; Platinum; Platinum Black; Platinum, elemental; Platinum, metal; Platinum sponge. Pt; Metallic element; catalyst, laboratory ware, rayon and glass fiber manufacture, jewelry, dentistry, electrical contacts, thermocouples, surgical wire, bushings, electroplating, electric furnace windings, chemical reaction vessels, permanent magnets. Metal; mp = 1773°; bp = 3827°; d = 21.447. *Degussa AG; Handy & Harman; Noah Chem.; Sigma-Aldrich Fine Chem.*

3056 Poly(acrylonitrile-co-butadiene)

9003-18-3 G

$[-CH_2CH(CN)]_x-(CH_2CH{=}CHCH_2)_y$

Acrylonitrile-butadiene copolymer.

Butadiene/acrylonitrile copolymer; 1,3-Butadiene, polymer with 2-propenenitrile; Krynac® 19.65; Krynac® 20H35; Krynac® 34.140; Krynac® 34.35; Krynac® 34.50; Krynac® 34.80; Krynac® 823X2; Krynac® 843; Krynac® PXL 34.17; 2-Propenenitrile, polymer with 1,3-butadiene. A nonstaining, cold polymerized copolymer; used for low temperature oil well specialties, belt covers, and idler rolls for low-temperature service, o-rings, seals, gaskets, hydraulic hose; vulcanized with sulfur, sulfur donor, or peroxide. White solid; d = 0.980. *Bayer AG; Polysar.*

3057 Poly(oxyethylene)-p-t-octylphenyl ether

9002-93-1 6793 G

$[C_{16}H_{26}O_2]_n$

Octoxynol-1.

Alfenol 3; Alfenol 9; Antarox A-200; CCRIS 985; Conco nix-100; Ethoxylated p-tert-octylphenol; Glycols, polyethylene, mono(p-(1,1,3,3-tetramethylbutyl)phenyl) ether; Hydrol SW; Hyonic pe-250; Igepal CA-630; Marlophen 820; Neutronyx 605; NSC 406472; 3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol, 26-(octyl-phenoxy)-; Octoxinol; Octoxinolum; Octoxynol; Octoxynol-3; Octoxynol-9; Octoxynol-11; Octoxynol-12; Octoxynol-25; Octoxynol-33; Octoxynol-40; Octyl phenol condensed with 12-13 moles ethylene oxide; Octylphenoxypolyethoxyethanol; 26-(4-Octylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol; 26-(Octyl-phenoxy)-

3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol; p-tert-(Octylphenoxypolyethoxy)ethanol; 4-tert-Octyl-phenyl peg ether; OPE 30; Ortho-gynol; p-(1,1,3,3-Tetramethylbutyl)phenol ethoxylate; Peg (P-(1,1,3,3-tetramethylbutyl)phenyl) ether; Peg 4-isooctylphenyl ether; Peg 4-tert-octylphenyl ether; Peg-9 octyl phenyl ether; Peg P-tert-octylphenyl ether; PEG-9 Octyl phenyl ether; PEG-11 Octyl phenyl ether; PEG-12 Octyl phenyl ether; PEG-25 Octyl phenyl ether; PEG-33 Octyl phenyl ether; PEG-40 Octyl phenyl ether; Phenol, P-(1,1,3,3-tetramethylbutyl)-, monoether with polyethylene glycol; Poletoxol; Poly(oxy-1,2-ethanediyl), α-(octylphenyl)-ω-hydroxy-; Poly(oxy-1,2-ethanediyl), α-(4-(1,1,3,3-tetramethylbutyl)phenyl)-ω-hydroxy-; Polyethylene glycol mono(4-octylphenyl) ether; Polyethylene glycol mono(octylphenyl) ether; Polyethylene glycol mono(p-(1,1,3,3-tetramethylbutyl)phenyl) ether; Polyethylene glycol mono(p-tert-octylphenyl) ether; Polyethylene glycol monoether with p-tert-octylphenyl; Polyethylene glycol octylphenol ether; Polyethylene glycol octylphenol ether; Polyethylene glycol p-octylphenyl ether (VAN); Polyethylene glycol p-tert-octylphenyl ether; Poly-ethyleneglycol 4-(tert-octyl)phenyl ether; Poly-ethylene glycol p-1,1,3,3-tetramethylbutylphenyl ether; Poly-oxyethylene (9) octyl phenyl ether; Polyoxyethylene (11) octyl phenyl ether; Polyoxyethylene (12) octyl phenyl ether; Polyoxyethylene (13) octylphenyl ether; Polyoxyethylene (25) octyl phenyl ether; Polyoxyethylene (33) octyl phenyl ether; Polyoxyethylene (40) octyl phenyl ether; Polyoxyethylene 4-(1,1,3,3-tetramethylbutyl)phenyl ether; Polyoxyethylene mono(octylphenyl) ether (VAN); Polyoxyethylene octyl phenyl ether; Preceptin; 4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated; 4-(1,1,3,3-Tetramethylbutyl)phenyl hydroxypoly(oxyethylene); α-(4-(1,1, 3,3-Tetramethylbutyl)phenyl)-ω-hydroxypoly(oxy-1,2-eth-anediyl); α-(P-(1,1,3,3-Tetramethylbutyl)phenyl)-ω-hydro-xypoly(oxyethylene);
Texofor FP 300; Triton x-45; Triton X; Triton X 35; Triton X 45; Triton X 100; Triton X 101; Triton X 102; Triton X 165; Triton X 305; Triton X 405; Triton X 705; TX 100; Ethylene glycol octyl phenyl ether; Polyoxyethylene octyl phenyl ether; Octylphenoxy-polyethoxyethanol; Polyethylene glycol mono [4-(1,1,3,3-tetramethylbutyl)phenyl] ether; Poly(oxyethylene)-*p*-tert-octylphenyl ether; POE octylphenol; polyoxyethylene (10) octylphenol; POE (10) octylphenol. Surfactant, coupling agent, emulsifier for industrial/household cleaners, emulsion polymerization, agriculture, latex stabilizer. *Union Carbide Corp.*

3058 Poly(vinylidene fluoride)

24937-79-9 G

$(-CH_2CF_2-)_n$

Ethene, 1,1-difluoro-, homopolymer.
Kynar® 301 F; Kynar® 460; Kynar® 700 Series; Kynar® Flex® 2800, 2801; Kynar® Flex® 2900; Polyvinylidene fluoride; PVDF. A crystalline high molecular weight polymer used for solvent-based coatings; produces films with high resistance to gamma radiation and transparency to UV radiation. A tough engineering resin with high abrasion resistance and stability in harsh thermal, chemical, and UV environments; readily melt processable in molding and extrusion; used for coatings incl. corrosion-resistance coatings for chemical process equipment, long life decorative finishes on building panes, flim, filter cloth, intrumentation, control equipment linings, membranes, static mixers, pipes and fittings, pumps, stock shapes, valves and electronic and electrical jacketing. Used in wire and cable construction and other uses requiring high flexibility, improved impact resistance, extremely low smoke emission and low flame spread. Tm = 165-172°. *Elf Atochem N. Am.*

3059 Polyacrylamide

9003-05-8 G

$[CH_2CHCONH_2]_x$

2-Propenamide Homopolymer.
Acrylamide homopolymer; Acrylamide polymer; Aerofloc 3453; American Cyanamid KPAM; American Cyanamid P-250; Aminogen PA; AP 273; Bio-Gel P 2; BioGel P-100; Cyanamer P 35; Cyanamer P 250; Cytame 5; Diaclear MA 3000H; Dow 164; Dow ET 597; Dow J 100; ET 597; Flokonit E; Flygtol GB; Gelamide 250; Himoloc OK 507; Himoloc SS 200; HSDB 1062; J 100; K 4 (acrylic polymer); K-PAM; Magnafloc R 292; Nacolyte 673; NSC 116573; NSC 116574; NSC 116575; NSC 118185; P 250; P 300; PAA; PAA-1; PAA 70L; PAARK 123sh; PAM; PAM (polymer); PAM-50; Pamid; Percol 720; Poly(2-propenamide); Polyacrylamide; Polyacrylamide resin; Polyhall 27; Polyhall 402; Polystolon; Polystoron; Porisutoron; Praestol 2800; 2-Propenamide, homo-polymer; Q 41F; Reten 420; Sanpoly A 520; Solvitose 433; Stipix AD; Stokopol D 2624; Sumirez A 17; Sumirez A 27; Sumitex A 1; Superfloc 84; Superfloc 900; Sursolan P 5; Taloflote; Versicol W 11. Used as a thickener, dispersant, antiprecipitant, solubilizer, binder, sizing, flocculating, suspending, crosslinking agent, filtering aid, lubricant; used in adhesives, agriculture, cement, coatings, cosmetics, detergents, latex manufacture, printing ink. *Allied Colloids; Am. Cyanamid; Calgon Carbon; Rhône Poulenc Surfactants; Sigma-Aldrich Fine Chem.*

3060 Polyacrylic acid

9003-01-4 G P

$[C_3H_4O_2]_n$

Acumer 1000.
Acrylic acid homopolymer; Acrylic acid polymer; Acrylic acid resin; Acrylic polymer; Acrylic polymer resins; Acrylic resin; Acrysol A 1; Acrysol A 3; Acrysol A 5; Acrysol AC 5; Acrysol ase-75; Acrysol Imw-20X; Acrysol WS-24; Antiprex 461; Antiprex A; Arasorb 750; Arasorb S 100F; Arolon; Aron; Aron A 10H; Atactic poly(acrylic acid); Carbomer; Carbomer 910; Carbomer 934; Carbomer 934p; Carbomer 940; Carbomer 941; Carbomer 1342; Carbopol 910; Carbopol 934; Carbopol 934P; Carbopol 940; Carbopol 941; Carbopol 960; Carbopol 961; Carbopol 971P; Carbopol 974P; Carbopol 980; Carbopol 981; Carbopol 1342; Carboset 515; Carboset Resin No. 515; Carboxy vinyl polymer; Carboxypolymethylene; Carpolene; CCRIS 3234; Colloids 119/50; Cyguard 266; Dispex C40; Dow Latex 354; G-Cure; Good-rite K 37; Good-rite K 700; Good-rite K 702; Good-rite K 727; Good-rite K 732; Good-rite WS 801; Haloflex 202; Haloflex 208; Joncryl 678; Junlon 110; Jurimer AC 10H; Jurimer AC 10P; Nalfloc 636; Neocryl A-1038; NSC 106034; NSC 106035; NSC 106036; NSC 106037; NSC 112122; NSC 112123; NSC 114472; NSC 165257; OLD 01; P 11H; PA 11M; PAA-25; Pemulen TR-1; Pemulen TR-2; Poly(acrylic acid); Polyacrylate; Polyacrylate elastomers; Polyacrylic acid; Polyacrylic acid; Polymer, carboxy vinyl; Polymer of 2-propenoic acid, cross-linked with allyl ethers of sucrose or pentaerythritol; Polymer of 2-propenoic acid, cross-linked with allyl ethers of sucrose; Polymerized acrylic acid; Polytex 973; Primal ASE 60; Propenoic acid polymer; 2-Propenoic acid, homopolymer; R968; Racryl; Revacryl A 191; Rohagit SD 15; Sokalan PAS; Solidokoll N; Synthemul 90-588; TB 1131; Tecpol; Texcryl; Versicol E 7; Versicol E15; Versicol E9; Versicol K 11; Versicol S 25; Viscalex HV 30; Viscon 103; WS 24; WS 801; XPA. Used as a scale inhibitor in industrial water treatment and oil production. Powder; irritant; the viscosity of a neutralized 1.0 percent aqueous dispersion of Carbomer1342 is between 9,500 and 26,500 centipoises. *Rohm & Haas Co.*

3061 Polybutadiene

9003-17-2 G

$(C_4H_6)_n$

Butadiene rubber.
Alfine; Atactic butadiene polymer; B 7; B 11; B 3000; Budium RK 622; Butadiene homopolymer; 1,3-Butadiene, homopolymer; Butadiene oligomer; 1,3-Butadiene, polymers; Butadiene polymer; Butadiene resin; Butarez 15; CB 10; Diene 35 NF; Dienite 556; Dienite 643; Dienite X 555; Dienite X 644; FCR 126; FCR 1261; FCR 1261pd; HSDB 1196; Hystl; Hystl B 300; Hystl B 1000; Hystl B 2000;

Hystl B 3000; LCB 150; Nisso BN 1000; Nisso PB 100; Nisso PB 3000; Nisso PB 4000; Nisso PB-B 4000; Nisso PB-GQ 3000; Nisso PR 2000; Pbc200; Poly-1,3-butadiene; Polybutadiene; Polyoil 110; Polyoil 130; Quintol B 1000; S 820; XPDR-A 288. BR; elastomer for tire industry, footwear, molded goods; blending ingredient in SBR; additive for plastics; coating resin in liquid form. *Asahi Chem. Industry; BASF Corp.; Goodyear Tire & Rubber; Phillips 66; Reichold.*

3062 Polybutene
9003-28-5 G

$[C_4H_8]_n$

Polybutylene.
1-Butene, homopolymer; PIB; Polybutene; Poly-α-butylene; U.S. National L. Polymer formed by polymerization of a mixture of iso and normal butenes. Thermoplastic resin; used as tackifier, strengthener, and extender in adhesives, as plasticizer for rubber, as vehicle and fugitive binder for coatings. *Amoco Lubricants; Ashland; BP Chem.; Harcros.*

3063 Polydimethylsiloxane
9006-65-9 3241 G

$(C_2H_6OSi)_xC_4H_{12}Si$

Dimethyl polysiloxane, dimethyl-terminated.
AF 10 FG; Belsil DM 1000; CCRIS 3957; DC 1664; Dimethicone; Dimethicone 350; Dimethicones; Dimethyl polysiloxane, bis(trimethylsilyl)-terminated; Dimethyl-polysiloxane; Dimeticona; Dimeticone; Dimeticonum; Dow Corning 1664; HSDB 1808; Mirasil DM 20; Poly(oxy(dimethylsilylene)), α-(trimethylsilyl)-omega-methyl-; Polysilane; Sentry Dimethicone; α-(Trimethyl-silyl)-omega-methylpoly(oxy(dimethylsilylene)); Viscasil 5M; Durkex 100DS; SF18-350;; AF 9020; AF 30 FG. Silicone antifoam agent used for general food, poultry, and meat processing applications; anticaking agent. Soluble in hydrocarbon solvents, $CHCl_3$, Et_2O, H_2O; suspected carcinogen. *Harcros.*

3064 Polyethylene
9002-88-4 7650 G P

$[C_2H_4]_x$

Ethylene homopolymer.
Alathon 7140; Alathon 7511; Alcowax 6; Aldyl A; Alithon 7050; Alkathene; Allied PE 617; Alphex FIT 221; Ambythene; Amoco 610A4; Bakelite DFD 330; Bakelite DHDA 4080; Bakelite DYNH; Bareco polywax 2000; Bareco wax C 7500; Bicolene C; BPE-I; Bralen KB 2-11; Bulen A; Carlona PXB; CCRIS 3553; Courlene-X3; Epolene C; Epolene E; Epolene N; Ethene, homopolymer; Etherin; Ethylene polymer; Grex; HI-Fax; Hizex; Plastipore; Polyethylene. Polymer of ethylene monomers. Used in laboratory tubing; prostheses; electrical insulation; packaging materials; kitchenware; tank and pipe linings; paper coatings; textile stiffeners. Polyethylene wax; processing lubricant, melt index modifier, pigment dispersant, mold release aid; external lubricant PVC, color concentrates, polyolefin flow modifiers; thickener for cosmetic and pharmaceutical gels. Rodenticide. Registered by EPA as a rodenticide (cancelled). FDA approved for dentals, ophthalmics, orals, topicals, vaginals. Used as an excipient, gel thickener, emollient, moisture controller, film former, non-irritating abrasive, used in dentals, ophthalmics, orals, topicals and vaginals. White solid; mp = 85-110°, 130-145°; d_4^{20}= 0.922; soluble in hot C_6H_6, insoluble in H_2O. *Allied Signal; Asahi Chem. Industry; Ashland; Cabot Carbon Ltd.; Eastman Chem. Co.; Elf Atochem N. Am.; EniChem Am.; ExxonMobil Chem. Co.; LNP; Mitsubishi Corp.; Quantum/USI.*

3065 Polyethylene glycol
25322-68-3 7651 G H

$(C_2H_4O)_n.H_2O$

Ethanol, 2,2'-(oxybis(2,1-ethanediyloxy)bis-.
Alcox E 30; Alkapol PEG 300; Alkox E 45; Alkox E 60; Alkox E 75; Alkox E 100; Alkox E 130; Alkox E 160; Alkox E 240; Alkox R 15; Alkox R 150; Alkox R 400; Alkox R 1000; Alkox SR; Antarox E 4000; Aquacide III; Aquaffin; Atpeg 300; Badimol; BDH 301; Bradsyn PEG; Breox 20M; Breox 550; Breox 2000; Breox 4000; Breox PEG 300; CAFO 154; Carbowax; Carbowax 20; Carbowax 100; Carbowax 200; Carbowax 300; Carbowax 400; Carbowax 600; Carbowax 1000; Carbowax 1350; Carbowax 1500; Carbowax 3350; Carbowax 4000; Carbowax 4500; Carbowax 4600; Carbowax 14000; Carbowax 20000; Carbowax 25000; Carbowax Sentry; CCRIS 979; Colyte; DD 3002; Deactivator H; Emkapol 4200; Ethanol, 2,2'-(oxybis(2,1-ethanediyloxy)bis-; Ethoxylated 1,2-ethanediol; Ethylene glycol homopolymer; Ethylene glycol polymer; Gafanol E 200; Glycols, polyethylene; HM 500; HSDB 5159; Lutrol; Macrogol; Merpol OJ; Modopeg; Nosilen; NSC 152324; Nycoline; Oxide Wax AN; Oxyethylene polymer; PEG; PEG; PEG 400; PEG 6000DS; Pluracol E; Pluracol E 400, E 600, E 1450; Pluriol E 200; Poly-G; Poly-G600; Polyethylene glycol; Polyox wsr-N 60; WSR-301. Intermediate in manufacture of surfactants; binder/ lubricant in pharmaceuticals; plasticizer; paper softener; humectant; solvent; antistat; for cosmetics, textile, plastics processing, dyes and inks. *Rhône Poulenc Surfactants.*

3066 Polyethylene glycol diester of tall oil acids
61791-01-3 H

Polyoxyethylene (12) ditallate.
Fatty acids, tall-oil, diesters with polyethylene glycol; PEG-8 Ditallate; PEG-12 Ditallate; Polyethylene glycol 400 ditallate; Polyethylene glycol 600 ditallate; Polyethylene glycol diester of tall oil acids; Polyoxyethylene (8) ditallate; Polyoxyethylene (12) ditallate; Tall oil fatty acid diester of polyethylene glycol.

3067 Polyethylene glycol phenyl ether phosphate
39464-70-5 H

$(C_2H_4O)_x(C_6H_6O)_y.zH_3PO_4$

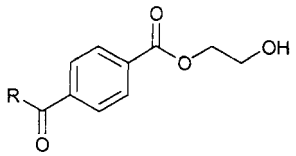
Poly(oxy-1,2-ethanediyl), α-phenyl-ω-hydroxy-, phosph-ate.
Phenol, ethoxylate, phosphate; Phenol, ethoxylated, phosphated; Poly(oxy-1,2-ethanediyl), α-phenyl-ω-hydroxy-, phosphate; Polyethylene glycol phenyl ether phosphate.

3068 Polyethylene glycol, tridecyl ether, phosphate, potassium salt
68186-36-7 H

$(C_2H_4O)_y.C_{13}H_{28}O.xH_3KO_4P$

Tridecyl alcohol, ethoxylated, phosphate, potassium salt.
Poly(oxy-1,2-ethanediyl)α-tridecyl-omega-hydroxy-, phosphate, potassium salt; Polyethylene glycol, tridecyl ether, phosphate, potassium salt; Tridecyl alcohol, ethoxylate, phosphate, potassium salt; Tridecylalcohol, ethoxylated, phosphated, potassium salt.

3069 Polyethylene terephthalate
25038-59-9 G



$(-OCH_2CH_2O_2CC_6H_4\text{-}4\text{-}CO-)_n$

Poly(oxyethyleneoxyterephthaloyl).

Amilar; Arnite A; Arnite A-049000; Arnite A 200; Arnite FP 800; Arnite G; Arnite G 600; Cassappret SR; Celanar; Cleartuf; Clertuf; Crastin S 330; Crastin S 350; Crastin S 440; Daiya foil; Dowlex; E 20 [Japanese polyester]; Estrofol; Estrofol B; Estrofol Ow; Ethylene terephthalate oligomer; Ethylene terephthalate polymer; Fiber V; Hostadur; Hostadur A; Hostadur K; Hostadur K-VP 4022; Hostaphan; Hostaphan BNH; Hostaphan RN; Iambolen; KLT 40; Kodapak® 5214A; Kodapak® PET Copolyester 13339; Kodar® PETG Copolyester 6763 Lavsan; Lawsonite; Lumilar 100; Lumirror; Lumirror 38S; Meliform; Melinex; Melinex O; Mylar; Mylar A; Mylar C; Mylar C-25; Mylar HS; Mylar T; Nitron (polyester); Nitron lavsan; Pegoterate; Pegoterato; Pegoteratum; Poly(ethylene terephthalate); Poly(ethylene terephthalate) glycol; Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl); Polyethylene terephthalate film; Scotch par; Superfloc; Terephtahlic acid-ethylene glycol polyester; Terfan; Tergal; Terom; Terphan; VFR 3801; Vituf. Amorphous glycol-modified PET; offers sparkling clarity in film and sheet form, easy thermoformability, toughness, sterilizability with ethylene oxide or gamma rays for medical applications; used for medical containers, thermoformed food containers and lids, blister packaging for cosmetics, pharmaceuticals, heavy hardware and electronic parts. FDA compliant. PET polyester hydropolymer; a light weight material resistant to breaking, bursting and shattering; improved barrier properties; for bottles of carbonated soft drinks fruit juices and foods. *Eastman Chem. Co.*

3070 Polyisoprene

9003-31-0 G

$[C_5H_8]_x$

Poly(2-methyl-1,3-butadiene).

Betaprene H; 1,3-Butadiene, 2-methyl-, homopolymer; HSDB 747; IR; Isoprene D; Isoprene oligomer; Isoprene polymer; Isoprene, polymers; Isoprene rubber; 2-Methyl-1,3-butadiene, homopolymer; Natsyn® 2200; Polyiso-prene; Poly(isoprene), cis; cis-1,4-Polyisoprene; cis-1,4-Polyisoprene rubber; Poly(2-methyl-1,3-butadiene); Poly-1-methylbutenylene; Rubber; Rubber (all-cis). Polyiso-prene, solution polymerized; nonstaining synthetic elastomer for light colored goods, adhesives, footwear, sponge products, tires, pharmaceutical goods, rubber bands, molded and mechanical goods. *A. Schulman; Goodyear Tire & Rubber.*

3071 Polymethylmethacrylate

9011-14-7 G

$(C_5H_8O_2)_n$

Methyl methacrylate polymer.

Methacrylic acid methyl ester polymers; Methyl methacrylate homopolymer; 2-Methyl-2-propenoic acid methyl ester homopolymer; PMMA; Poly(methyl methacrylate); Polymethyl methacrylate; 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer. Polymer of methyl methacrylate; thermoplastic used as main constituent of acrylic sheet, molding and extrusion compounds. Used in coatings, barrier coatings for PS, vinyl topcoats, product finishes, printing inks. *Aristech; Cyro Industries; Elf Atochem N. Am.; Shuman Plastics; Sybron.*

3072 Polyoxyethylene monobutyl ether

9004-77-7 E H

Polyoxyethylene monobutyl ether.

Poly(oxy-1,2-ethanediyl), α-butyl-ω-hydroxy-; Polyethyl-ene glycol butyl ether; Polyethylene glycol, monobutyl ester; Polyoxyethylene monobutyl ether.

3073 Polyoxyethylene monolaurate

9004-81-3 E G

$(C_2H_4O)_n.C_{12}H_{24}O_2$

PEG 200 laurate.

Ablunol 200ML; Dodecanoic acid, 2-(2-(2-(2-hydroxyethoxy)ethoxy)ethoxy)ethyl ester; Dodecanoic acid, 23-hydroxy-3,6,9,12,15,18,21-heptaoxatricos-1-yl; G-2129; Glycols, polyethylene, monolaurate; 2-(2-(2-(2-Hydroxyethoxy)ethoxy)ethoxy)ethyl dodecanoate; 23-Hydroxy-3,6,9,12,15,18,21-heptaoxatricos-1-yl dodecan-oate; Lauric acid, ethylene oxide adduct; Laurox 9; Nopalcol 6-L; PEG-4 Laurate; PEG-8 Laurate; PEG-10 Laurate; PEG-12 Laurate; PEG-14 Laurate; PEG-20 Laurate; PEG-32 Laurate; PEG-75 Laurate; PEG-150 Laurate; Polyethylene glycol 200 monolaurate; Polyethylene glycol 400 monolaurate; Polyethylene glycol 500 monolaurate; Polyethylene glycol 600 monolaurate; Polyethylene glycol 1000 monolaurate; Polyethylene glycol 1540 monolaurate; Polyethylene glycol 4000 monolaurate; Polyethylene glycol 6000 monolaurate; Polyglycol laurate; Polyoxyethylene (4) monolaurate; Polyoxyethylene (8) monolaurate; Polyoxyethylene (10) monolaurate; Polyoxyethylene (12) monolaurate; Polyoxyethylene (14) monolaurate; Polyoxyethylene (20) monolaurate; Polyoxyethylene (32) monolaurate; Polyoxyethylene (75) monolaurate; Polyoxyethylene (150) monolaurate; Glycols, polyethylene, monolaurate; Aquafil I; Aquafil II; Atlas G-2127; Atlas G-2129; Cirrasol TCS; Emanon 1112; Empilan AP-100; Ester 14; Ethylan L; Ethylan L 3; G 2129; Hallco CPH 43; Ionet ML-400; Lauric; Lauric acid, ethylene oxide adduct; Lipo-Peg 4-L; Lonzest PEG-4L; Macrogol laurate 600; Newcol 150; Nissan Nonion L 4; Nonex 139; Nonex 27; Nonex 31; Nonex 39; Nonex 55; Nonex 56; Nonex 99; Nonion L 4; Nopalcol 1-L; Nopalcol 6-L; Nopalcol 10-L. Emulsifier, lubricant, dispersing and leveling agent; defoamer used in cosmetics, textiles, paint, dyestuffs and other industrial uses. *Taiwan Surfactants.*

3074 Polyoxypropylene cetyl ether

9035-85-2 G

$(C_3H_6O)_nC_{16}H_{34}O$

Poly[oxy(methyl-1,2-ethanediyl)], α-hexadecyl-ω-hydroxy-.

Poly(oxy(methyl-1,2-ethanediyl)), α-hexadecyl-ω-hydroxy-; Polyoxypropylene (10) cetyl ether; Poly-oxypropylene (28) cetyl ether; Polyoxypropylene (30) cetyl ether; Polyoxypropylene (50) cetyl ether; Polyoxypropylene cetyl ether; Polyoxypropylene hexadecyl ether; Polypropylene glycol (10) cetyl ether; Polypropylene glycol (28) cetyl ether; Polypropylene glycol (30) cetyl ether; Polypropylene glycol (50) cetyl ether; PPG-10 Cetyl ether; PPG-28 Cetyl ether; PPG-30 Cetyl ether; PPG-50 Cetyl ether; Wickenol® 707; Polypropylene glycol monocetyl ether; Polypropylene glycol monohexadecyl ether; PPG-10 cetyl ether; Procetyl; Procetyl alcohol 30; Procetyl AWS; Propoxylated hexadecyl alcohol; Wickenol 707. PPG-30 cetyl ether; all-purpose fluid, nongreasy emollient with hydroalcoholic compatibility; provides coupling and emulsion stability; foam modifier; enhances sheen and manageability. *CasChem.*

3075 Polyphosphoric acid

8017-16-1 G

Superphosphoric acid.

Condensed phosphoric acid; EINECS 232-417-0; HSDB 1176; Phospholeum; Polyphosphoric acid; Polyphosphoric acids;

Superphosphoric acid; Tetraphosphoric acid. Acid used in the manufacture of phosphates, phosphate esters, catalysts, fuel cell electrolytes, metal cleaning and brightening, organic reactions. Viscous liquid; d = 2.1000. *Albright & Wilson Americas Inc.*

3076 **Polypropylene**
9003-07-0 7663 G

$[C_3H_6]_x$

Propene, homopolymer.
413S; A-Fax; Admer PB 02; AMCO; Amerfil; Amoco 1010; Ampol C 60; AT 36; Atactic polypropylene; Avisun; Avisun 101; Avisun 12-270A; Avisun 12-407A; Azdel; Beamette; Bicolene P; Carlona K 571; Carlona KM 61; Carlona P; Carlona PM 61 naturel; Carlona PPLZ 074; CD 419; Celgard; Celgard 2400W; Celgard 2500; Celgard 3501; Celgard KKX 2; Chisso 507B; Chisso polypro 1014; Clysar; Coathylene PF 0548; Courlene PY; CPP 25S; D 151; Daplen AD; Daplen APP; Daplen AS 50; Daplen AT 10; Daplen ATK 92; Daplen DM 55U; Dexon E 117; DLP; DS 8620; Eastobond L 8080-270A; Eastobond M 3; Eastobond M 5; Eastobond M 5H; EL Rexene PP 115; Elpon; EM 490; Enjay CD 392; Enjay CD 460; Enjay CD 490; Enjay E 117; Enjay E 11S; Epolene M 5H; Epolene M 5K; Epolene M 5W; Escon 622; Escon CD 44A; Escon EX 375; F 080PP; Gerfil; GPCD 398; Hercoflat 135; Hercotuf 110A; Hercotuf PB 681; Hercules 6523; Herculon; HF 20; HO 50; Hostalen N 1060; Hostalen PP; Hostalen PP-U; Hostalen PPH 1050; Hostalen PPN; Hostalen PPN 1060; Hostalen PPN 1075 F; Hostalen PPN 1076 F; Hostalen PPR 1042; Hostalen PPT VP 7090A; HSDB 1069; HULS P 6500; ICI 543; Isotactic polypropylene; J 400; J 700; JGD 1800; JMD 4500; K 300; Lambeth; Lanco Wax PP 1362D; Lupareen; LYM 42; Marlex 9400; Marlex HGH 050-01; Maurylene; Meraklon; MFR 4; MH 4; Mitsui polypro B 220; MM2A; Moplen; Moplen AD 50N; Moplen AD 5ON; Moplen AS 50; Moplen Q 51C; Moplen T 30G; Mosten; Nablen S 50; Noblen; Noblen 2VH501; Noblen BC 8; Noblen D 101; Noblen D 501; Noblen EBG; Noblen FA 3; Noblen FL; Noblen FL 4; Noblen FP; Noblen FS 101; Noblen FS 2011; Noblen H; Noblen H 101; Noblen H 501; Noblen HS; Noblen JHHG; Noblen JK-M; Noblen MA 4; Noblen MH 6; Noblen MM 2A; Noblen S 101; Noblen SHG; Noblen W 101; Noblen W 501; Noblen W 502; Noblen WF 464; Noplen FL 6314; Novamont 2030; Novolen; Novolen 1300ZX; Novolen KR 1300P; Oletac 100; P 6500; Paisley 750; Paisley polymer; Pellon 2505; Pellon 2506; Pellon FT 2140; Polipropene 25; Poly(5+)propylene; Polypropylene; Propene polymers; W 101. Polymer of propylene monomers; three forms; isotactic (fiber-forming), syndiotactic, atactic (amorphous). (nucleated); Isotactic; fishing gear, ropes, filter cloths, laundry bags, protective clothing, blankets, fabrics, carpets, yarns. *Amoco Lubricants; Aristech; Ashland; Chisso Corp.; Degussa-Hüls Corp.; Eastman Chem. Co.; ExxonMobil Chem. Co.; Fina Chemicals; LNP; Mitsubishi Corp.; Mitsui Toatsu; Neste UK; Quantum/USI; Shell; Solvay Polymers.*

3077 **Polypropylene glycol**
25322-69-4 H

$(C_3H_6O)_n.H_2O$

Polyoxypropylene glycol.
Actocol 51-530; Alkapal PPG-1200; Alkapal PPG-2000; Alkapal PPG-4000; Bloat guard; Caswell No. 680; Desmophen 360C; Emkapyl; EPA Pesticide Chemical Code 068602; Glycols, polypropylene; HSDB 1266; Jeffox PPG 400; Laprol 2002; Laprol 702; Lineartop E; Methyloxirane homopolymer; Napter E 8075; Niax 1025; Niax 11-27; Niax 61-582; Niax polyol ppg 4025; Niax ppg; Niax ppg 1025; Niax ppg 3025; Niax ppg 425; Oopg 1000; Oxirane, methyl-, homopolymer; P 400; P 4000 (polymer); P.P.G. 150; P.P.G. 400; P.P.G. 425; P.P.G. 750; P.P.G. 1000; P.P.G. 1025; P.P.G. 1200; P.P.G. 1800; P.P.G 2025; P.P.G 3025; P.P.G 4025; Pluracol 1010; Pluracol 2010; Pluracol P 2010; Pluracol P 410; Poly(propylene oxide); Polyglycol P 400; Polyglycol P-2000; Polyglycol P-4000; Polyglycol type P250; Polyglycol type P400; Polyglycol type P750; Polyglycol type P1200; Polyglycol type P2000; Polyglycol type P3000; Polymer 2; Polyoxypropylene; Polyoxypropylene (9); Polyoxypropylene (12); Polyoxy-propylene (15); Polyoxypropylene (17); Polyoxypropylene (20); Polyoxypropylene (26); Polyoxypropylene (30); Polyoxypropylene (34); Polyoxypropylene glycol; Poly-propylene glycol; Polypropylene glycol (9); Poly-propylene glycol (12); Polypropylene glycol (15); Poly-propylene glycol (17); Polypropylene glycol (20); Poly-propylene glycol (26); Polypropylene glycol (30); Poly-propylene glycol (34); Polypropylene glycol 400; Poly-propylene glycol 425; Polypropylene glycol 750; Poly-propylene glycol 1000; Polypropylene glycol 1200; Poly-propylene glycol 1800; Polypropylene glycol 150; Poly-propylene glycol 1025; Polypropylene glycol 2000; Poly-propylene glycol 2025; Polypropylene glycol 3025; Poly-propylene glycol 4000; Polypropylene glycol 4025; Poly-propylenglykol; Ppg-15; PPG; PPG-9; PPG-12; PPG-15; PPG-17; PPG-20; PPG-26; PPG-30; PPG-34; Propylan 8123; Propylene oxide homopolymer; Propylene oxide, propylene glycol polymer; SKF 18667; Voranol P 1010; Voranol P 2000; Voranol P 4000.

3078 **Polystyrene**
9003-53-6 G

$(C_8H_8)_x$

Styrene polymer.
3A; 31N (styrene polymer); 168N15; 454H; 475U; 550P (styrene polymer); 666U; 686E; 825TV; A 180 (vinyl polymer); A 3-80; A 75 (vinyl polymer); Adion H; Afcolene; Afcolene 492; Afcolene 666; Afcolene S 100; Atactic polystyrene; Bactolatex; Bakelite SMD 3500; BASF III; BDH 29-790; Benzene, ethenyl-, homopolymer; Bextrene XL 750; Bicolastic A 75; Bicolene H; Bio-Beads S-S 2; BP-Klp; BSB-S 40; BSB-S-E; Bustren; Bustren K 500; Bustren K 525-19; Bustren U 825; Bustren U 825E11; Bustren Y 3532; Bustren Y 825; Cadco 0115; Carinex GP; Carinex HR; Carinex HRM; Carinex SB 59; Carinex SB 61; Carinex SL 273; Carinex tgx/MF; Copal Z; Cosden 550; Cosden 945E; Denka QP3; Diarex 43G; Diarex HF 55-247; Diarex HF 55; Diarex HF 77; Diarex HS 77; Diarex HT 190; Diarex HT 500; Diarex HT 88; Diarex HT 88A; Diarex HT 90; Diarex YH 476; Dorvon; Dorvon FR 100; Dow 360; Dow 456; Dow 665; Dow 860; Dow 1683; Dow MX 5514; Dow MX 5516; Dylark 250; Dylene; Dylene 8; Dylene 8G; Dylene 9; Dylite F 40; Dylite F 40L; Edistir RB; Esbrite; Esbrite 2; Esbrite 4; Esbrite 4-62; Esbrite 500HM; Esbrite 8; Esbrite G 10; Esbrite G-P 2; Esbrite LBL; Escorez 7404; Estyrene 4-62; Estyrene 500SH; Estyrene G 15; Estyrene G 20; Estyrene G-P 4; Estyrene H 61; Ethenylbenzene, homopolymer; FC-MY 5450; FG 834; Foster grant 834; Gedex; HF 10; HF 55; HF 77; HH 102; HHI 11; HI-Styrol; Hostyren N; Hostyren N 4000; Hostyren N 4000V; Hostyren N 7001; Hostyren S; HT 88; HT 88A; HT 91-1; HT-F 76; IT 40; K 525; KB (Polymer); KM (Polymer); Koplen 2; KR 2537; Krasten 052; Krasten 1.4; Krasten SB; Lacqren 506; Lacqren 550; Latex; LS 061A; LS 1028E; Lustrex; Lustrex H 77; Lustrex HH 101; Lustrex HP 77; Lustrex HT 88; MX 4500; MX 5514; MX 5516; MX 5517-02; N 4000V; NaPst; NBS 706; Owispol GF; Pelaspan 333; Pelaspan Esp 109s; Piccolastic; Piccolastic A; Piccolastic A 5; Piccolastic A 25; Piccolastic A 50; Piccolastic A 75; Piccolastic C 125; Piccolastic D; Piccolastic D-100; Polystyrene; Polystyrene resin; R 3; R 3612; S 173; Styrene polymer; Styrofoam; U625; X 600. Polymer; grades: crystal, impact, expandable. thermoplastic resin for injection molding, extrusion of egg carton foam, pill bottles, packaging, appliances, electronics, toys, recreation and construction, expendable polystyrene for insulation and protective packaging. *Asahi Chem. Industry; Ashland; BASF Corp.; Chevron; Degussa-Hüls Corp.; Elf Atochem N. Am.; Fina Chemicals; LNP; Mitsubishi Chem. Corp.; Mitsui Toatsu; Westlake Plastics.*

3079 **Polytetrafluoroethylene**
9002-84-0 7665 G

$(C_2F_4)_n$ (n > 20,000)

Ethene, tetrafluoro-, homopolymer.

PTFE; Teflon; Politef; Tetrafluoroethylene Resin; Fluon; Tetran. Versatile, chemically inert thermoplastic homopolymer. Used as tubing or sheeting for chemical laboratory and process work; gaskets and pump packings; as electrical insulators especially in high frequency applications, filtration fabrics, protective clothing, prosthetic aids. White solid; usable between -270° and 265°. *DuPont; Janssen Chimica.*

3080 Polyvinyl acetate

9003-20-7 G

$[C_4H_6O_3]_x$

Polyvinyl acetate homopolymer.

76 Res; Acetic acid, ethenyl ester, homopolymer; Acetic acid, vinyl ester, polymer; Asahisol 1527; ASB 516; AYAA; AYAF; AYJV; Bakelite AYAA; Bakelite AYAF; Bakelite AYAT; Bakelite LP 90; Bond CH 3; Bond CH 18; Bond CH 1200; Booksaver; Borden 2123; Cascorez; Cemedine 196; Cevian 380; Cevian A 678; D 50; D 50 M; Danfirm; Daratak; DCA 70; Duvilax; Duvilax BD 20; Duvilax HN; Duvilax LM 52; Elmer's Glue All; Elvacet 81-900; Emultex F; En-cor; EP 1208; EP 1436; EP 1437; EP 1463; Esnil P 18; Ethenyl acetate homopolymer; Everflex B; Formvar 1285; Gelva; Gelva 25; Gelva CSV 16; Gelva GP 702; Gelva S 55H; Gelva TS 22; Gelva TS 23; Gelva TS 30; Gelva TS 85; Gelva V 100; Gelva V 15; Gelva V 25; Gelva V 800; Gohensil E 50Y; Gohsenyl E 50 Y; HSDB 1250; Kurare OM 100; Lemac; Lemac 1000; Meikatex 5000NG60; Merckogel OR; Merckogen 6000; Mokotex D 2602; Movinyl; Movinyl 114; Movinyl 50M; Movinyl 801; Mowilith 30; Mowilith 50; Mowilith 70; Mowilith 90; Mowilith D; Mowilith DV; Mowilith M70; National 120-1207; National starch 1014; NS 2842; OM 100; OR 1500; P-170; Pioloform F; Plyamul 40-155; Plyamul 40-350; Polisol S-3; Poly(vinyl acetate); Polyco 953; Polyco 117FR; Polyco 2116; Polyco 2134; Polyfox P 20; Polyfox PO; Polysol 1000; Polysol 1000AX; Polysol 1200; Polysol PS 10; Polysol S 5; Polysol S 6; Polyvinyl acetate; Protex (polymer); PS 3h; PVAE; R 10688; Raviflex 43; Resyn 25-1014; Resyn 25-1025; Rhodopas; Rhodopas 010; Rhodopas 5000SMR; Rhodopas 5425; Rhodopas A 10; Rhodopas AM 041; Rhodopas B; Rhodopas BB; Rhodopas HV 2; Rhodopas M; RV225-5B; S-Nyl-P 42; Sakunol SN 08; Soloid; Soviol; SP 60; Toabond 2; Toabond 40H; Toabond 6; TS2; Ucar 15; Ucar 130; UK 131; V 501; VA 0112; Vinac; Vinac ASB 10; Vinac B 7; Vinac RP251; Vinacet D; Vinalite D 50N; Vinalite DS 41/11; Vinamul 9300; Vinapol A 16; Vinipaint 555; Vinnapas B; Vinnapas B 100; Vinnapas B 17; Vinnapas UW 50. Resin with weathering resistance; used for paints; adhesives for food packaging, paper, wood, glass, and metals; primer sealers, dry wall cement; intermediate for conversion to polyvinyl alcohol and acetals; paper coating, component of lacquers and inks. *Asahi Chem. Industry; Fuller H. B.; Monsanto Co.; National Starch & Chem. UK; Sigma-Aldrich Fine Chem.; Union Carbide Corp.; Wacker Chemie GmbH.*

3081 Polyvinyl alcohol

9002-89-5 7667 G

$[C_2H_4O]_x$

Ethenol, homopolymer.

Alcotex 17F-H; Alcotex 88/05; Alcotex 88/10; Alcotex 99/10; Alkotex; Alvyl; Aracet APV; Cipoviol W 72; Covol; Covol 971; Elvanol; Elvanol 50-42; Elvanol 51-05G; Elvanol 5105; Elvanol 52-22; Elvanol 52-22G; Elvanol 522-22; Elvanol 70-05; Elvanol 71-30; Elvanol 73125G; Elvanol 90-50; Elvanol T 25; Enbra OV; EP 160; Ethenol, homopolymer; FH 1500; Galvatol 1-60; Gelvatol; Gelvatol 1-30; Gelvatol 1-60; Gelvatol 1-90; Gelvatol 20-30; Gelvatol 2060; Gelvatol 2090; Gelvatol 3-91; GH 20; GL 02; GL 03; GLO 5; GM 14; Gohsenol; Gohsenol AH 22; Gohsenol GH; Gohsenol GH 17; Gohsenol GH 20; Gohsenol GH 23; Gohsenol GL 03; Gohsenol GL 05; Gohsenol GL 08; Gohsenol GM 14; Gohsenol GM 14L; Gohsenol GM 94; Gohsenol KH 17; Gohsenol MG 14; Gohsenol N 300; Gohsenol NH 05; Gohsenol NH 17; Gohsenol NH 18; Gohsenol NH 20; Gohsenol NH 26; Gohsenol NK 114; Gohsenol NL 05; Gohsenol NM 114; Gohsenol NM 14; Gosenol KH-17; Gtohsenol GL 05; HSDB 1038; HypoTears; Kuralon VP; Kurare 217; Kurare Poval 120; Kurare Poval 1700; Kurare PVA 205; Kurate Poval 120; Lamephil OJ; Lamicel; Lamicel; Lemol; Lemol 5-88; Lemol 5-98; Lemol 12-88; Lemol 16-98; Lemol 24-98; Lemol 30-98; Lemol 51-98; Lemol 60-98; Lemol 75-98; Lemol GF-60; Liquifilm Forte; Liquifilm Tears; M 13/20; Mowiol; Mowiol 26-88; Mowiol 4-88; Mowiol N 30-88; Mowiol N 50-98; Mowiol N 50/88; Mowiol N 70-98; NH 18; NM 11; NM 14; NSC 108129; Poly(1-hydroxyethylene); Polydesis; Polyethenol; Polysizer 173; Polyvinol; Polyvinyl alcohol; Polyvinyl alcohol 18/11; Polyviol; Polyviol M 13/140; Polyviol MO 5/140; Polyviol W 25/140; Polyviol W 28/20; Polyviol W 40/140; Poval; Poval 117; Poval 120; Poval 1700; Poval 203; Poval 205; Poval 205S; Poval 217; Poval 217S; Poval 420; Poval C 17; Prefrin Liquifilm; PVA; PVA (VAN); PVA 008; PVAL 45/02; PVAL 55/12; PVS 4; Refresh; Relief; Resistoflex; Rhodoviol; Rhodoviol 16/200; Rhodoviol 4/125; Rhodoviol 4-125P; Rhodoviol R 16/20; Sloviol R; Solvar; Sumitex H 10; Tears Plus; VasoClear; VasoClear A; Vibatex S; Vinacol DT; Vinacol MH; Vinalak; Vinarol; Vinarol DT; Vinarol ST; Vinarole; Vinavilol 2-98; Vinyl alcohol, polymers. Used in plastics industry in molding compounds, surface coatings, films resistant to gasoline, textile sizes; for elastomers (artificial sponges, fuel hoses); printing inks; pharmaceutical finishing; cosmetics; film and sheeting; ophthalmic lubricant. *British Traders & Shippers; Dajac Labs.; Honeywell & Stein.*

3082 Polyvinyl chloride

9002-86-2 7668 G

$(-CH_2CHCl-)_n$

Ethene, chloro-, homopolymer.

101EP; 1032X; Armodour; Aron TS 700; Atactic poly(vinyl chloride); Bakelite; Boltaron; Carina; CCRIS 634; Chloroethene homopolymer; Chloroethylene polymer; Corvic 55/9; Dacovin; Darvic 110; Dynadur; Ekavyl SD 2; Ethylene, chloro-, polymer; Exon 605; Expanded polyvinyl chloride; FC 4648; Flocor; Geno-therm; GEON 51; Halvic 223; Hostalit; HSDB 1213; Korogel; Koroplate;L 5; Poly(vinyl chloride); Polyvinyl chloride; PVC; Resinite 90; U 1; Vestolit®. Rubber substitutes; electrical wire and cable coverings; pliable thin sheeting; film finishes for textiles; nonflammable upholstery; raincoats; tubing; belting; gaskets; shoe soles. White solid; d = 1.406. *Ashland; Chisso Corp.; Degussa-Hüls Corp.; Elf Atochem N. Am.; Georgia Gulf; Goodrich B.F. Co.; Goodyear Tire & Rubber; Mitsui Toatsu; Norsk Hydro AS; OxyChem; Sigma-Aldrich Fine Chem.; Vista; Wacker Chemie GmbH.*

3083 Polyvinylpyrrolidone - vinyl acetate co-polymer

25086-89-9 G

$(C_6H_9NO.C_4H_6O_2)_x$

Vinyl pyrrolidone/vinyl acetate copolymer.

Acetic acid, ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone; Acetic acid vinyl ester, polymer with 1-vinyl-2-pyrrolidinone; Agrimer VA 6; Copolyvidon; E 335; E 535; Ethenyl acetate, polymer with 1-ethenyl-2-pyrrolidinone; 1-Ethenyl-2-pyrrolidinone, polymer with acetic acid ethenyl ester; 1-Ethenyl-2-pyrrolidinone, polymer with ethenyl acetate; GAF-S 630; Ganex E 535; Gantron PVP; Gantron S 630; Gantron S 860; I 535; I 635; I 735; Kolima 10; Kolima 35; Kolima 75; Kollidon VA 64; Luviskol VA 64; Luviskol VA 28I; Luviskol VA 37E; Luviskol VA 37I; Luviskol VA 55E; Luviskol VA 55I; Luviskol VA 73E; NSC 114023; Polectron 845; PVP-VA; PVP/VA copolymer; PVP-VA-E 735; PVP/VA-S 630; 2-Pyrrolidinone, 1-ethenyl-, polymer with ethenyl acetate; S 630; Vinyl acetate-1-vinyl-2-pyrrolidinone polymer; Vinyl acetate-N-vinyl-2-pyrrolidinone copolymer; Vinyl acetate-N-vinylpyrrolidinone copolymer; Vinyl acetate-N-vinylpyrrolidone polymer; Vinyl acetate-vinyl-pyrrolidinone polymer; Vinylpyrrolidinone-vinyl acetate polymer; 1-Vinyl-2-pyrrolidone-vinyl acetate copolymer; N-Vinylpyrrolidone-vinyl acetate polymer; PVP/VA copolymer. Film-former used in hairsprays, gels, hair thickeners, tints, and dyes; suspending agent, dispersant, thickener,

stabilizer, adhesion promoter, coatings. ISP.

3084 Potash Soap

8046-74-0 H

Fatty acids, potassium salts; Potassium fatty acid soap; Potassium salts of fatty acids; Potassium soap; Soap, potassium; Soaps, potassium.

3085 Potassium

7440-09-7 7686 G

K

K

Potassium.

EINECS 231-119-8; HSDB 698; Kalium; Potassium; Potassium, (liquid alloy); Potassium, metal; UN2257. Metallic element; K; intermediate for potassium peroxide, heatexchange alloys; laboratory reagent; component of fertilizers (as potassium chloride). Used, with sodium, as a heat transfer agent in nuclear reactors. mp = 63°; bp = 765°; d^{20} = 0.856; reacts with H_2O, soluble in liquid NH_3, ethylenediamine, aniline. *Atomergic Chemetals; Sigma-Aldrich Fine Chem.*

3086 Potassium acetate

127-08-2 7687 D G H V

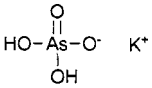
$C_2H_3KO_2$

Acetic acid, potassium salt.

Acetic acid, potassium salt; Diuretic salt; EINECS 204-822-2; FEMA No. 2920; Octan draselny; Potassium acetate; Potassium ethanoate; Sal diureticum. Dehydrating agent, textile conditioner, analytical reagent, medicine, cacodylic derivatives, crystal glass, synthetic flavors. An alkalizer; has been used to treat veterinary cardiac arrhythmias. Crystals; mp = 292°; d = 1.8000; soluble in H_2O (200 g/100 ml), poorly soluble in organic solvents; LD_{50} (rat orl) = 3.25 g/kg. *Am. Intl. Chem.; EM Ind. Inc.; General Chem; Heico; Honeywell & Stein; Niacet.*

3087 Potassium arsenate

7784-41-0 7689 G



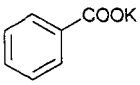
AsH_2KO_4

Potassium dihydrogen arsenate.

Arsenic acid, monopotassium salt; EINECS 232-065-8; HSDB 1235; Macquer's salt; Monopotassium arsenate; Monopotassium dihydrogen arsenate; Potassium acid arsenate; Potassium arsenate; Potassium arsenate, monobasic; Potassium dihydrogen arsenate; Potassium dihydrogen arsenate (KH_2AsO_4); Potassium hydrogen arsenate (KH_2AsO_4); UN1677. Used in textile, tanning and paper industries. Also in insecticide formulations. Crystals; mp = 288°; d = 2.8; slightly soluble in H_2O (20 g/100 ml), insoluble in EtOH.

3088 Potassium benzoate

582-25-2 G H



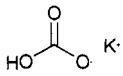
$C_7H_5KO_2$

Benzoic acid potassium salt.

Benzoic acid, potassium salt; EINECS 209-481-3; Potassium benzoate. Anti-corrosive, preservative, fermentation-inhibitor, anti-fungal agent for tobacco production, pyrotechnical additive. White solid; soluble in H_2O, EtOH. *Am. Biorganics; Lancaster Synthesis Co.; Mallinckrodt Inc.; Pentagon Chems. Ltd.; Verdugt BV.*

3089 Potassium bicarbonate

298-14-6 7691 D G



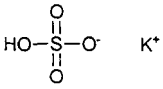
$CHKO_3$

Carbonic acid, monopotassium salt.

CCRIS 3510; EINECS 206-059-0; EPA Pesticide Chemical Code 073508; K-Lyte; K-Lyte/Cl; K-Lyte DS; Monopotassium carbonate; Potassium acid carbonate; Potassium bicarbonate; Potassium hydrogen carbonate. Electrolyte replenisher. Used in pharmaceutical formulation. White crystals; soluble in H_2O (35.7 g/100 ml at 20°, 50 g/100 ml at 50°), insoluble in EtOH. *Bristol Laboratories; Mead Johnson Labs.*

3090 Potassium bisulfate

7646-93-7 7695 D G P



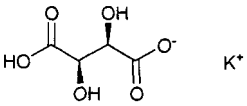
HKO_4S

Potassium hydrogen sulfate.

Acid potassium sulfate; AI3-04459; Caswell No. 682C; EINECS 231-594-1; EPA Pesticide Chemical Code 005605; Monopotassium hydrogen sulfate; Monopotassium sulfate; NSC 409996; Potassium acid sulfate; Potassium bisulfate; Potassium bisulphate; Potassium hydrogen sulfate; Potassium hydrogen sulfate, solid; Potassium hydrogensulphate; Potassium hydrosulfate ($KHSO_4$); Potassium sulfate; Potassium sulfate ($KHSO_4$); Sal enixum; Sulfuric acid, monopotassium salt; Sulfuric acid potassium salt (1:1); Tartarline; UN2509. Used as a substitute for tartaric acid for industrial purposes; conversion of wine lees and tartrates into potassium bitartrate; in the manufacture of fertilizers. Used as a leavening and pH control agent. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Used medicinally as a laxative-cathartic. mp = 197°; d = 2.24; soluble in H_2O (0.55 g/ml).

3091 Potassium bitartrate

868-14-4 7697 G



$C_4H_5KO_6$

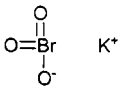
Monopotassium 2,3-dihydroxybutanedioate, (R-(R*,R*))-.

Acid potassium tartrate; Butanedioic acid, 2,3-dihydroxy-, (R-(R*,R*))-, monopotassium salt; Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, monopotassium salt; CCRIS 7329; Cream of tartar;

Cremor tartari; EINECS 212-769-1; Faccla; Faccula; Faecla; Faecula; HSDB 1264; Monopotassium tartrate; NSC 155080; Potassium acid salt of L-(+)-tartaric acid; Potassium acid tartrate; Potassium bitartrate; Potassium hydrogen tartrate; Potassium L-bitartrate; Tartar; Tartar cream; Tartaric acid, monopotassium salt. Baking powder, preparation of other tartrates, galvanic tinning of metals, food additive. Colorless crystals; soluble in H_2O (0.61 g/100 ml 20°, 6.25 g/100 ml 100°), EtOH (0.011 g/100 ml). *Penta Mfg.; Spectrum Chem. Manufacturing.*

3092 Potassium bromate

7758-01-2 7700 G



$BrKO_3$

Bromic acid, potassium salt.

Bromic acid, potassium salt; CCRIS 529; EEC No. E924; EINECS 231-829-8; HSDB 1253; NSC 215200; Potassium bromate; UN1484. Laboratory reagent, oxidizing agent, permanent wave compounds, dough conditioner, food additive. White crystals; mp = 350°; d = 3.2700; soluble in H_2O (8.0 g/100 ml), insoluble in EtOH. *Allchem Ind.; Gist-Brocades Intl.*

3093 Potassium bromide

7758-02-3 7701 D G P

K—Br

BrK

Hydrobromic acid potassium salt.

Bromide salt of potassium; Bromure de potassium; Caswell No. 684; CCRIS 6095; EINECS 231-830-3; EPA Pesticide Chemical Code 013903; HSDB 5044; Kalii bromidum; NSC 77367; Potassium bromide; Potassium bromide (KBr); Tripotassium tribromide. Used in photography, process engraving and lithography, special soaps, spectroscopy, infrared transmission, lab reagent. Registered by EPA as an antimicrobial and disinfectant (cancelled). Anticonvulsant; sedative. CAUTION: Large doses may cause CNS suppression. Has been used as a disinfectant on food contact surfaces, food handling equipment and eating utensils in food processing establishments. Solid; mp = 730°; d = 2.75; soluble in H_2O (0.67 g/ml), less soluble in organic solvents. *Great Lakes Fine Chem.; Mallinckrodt Inc.; Morton Intn'l.; Sigma-Aldrich Fine Chem.*

3094 Potassium butanolate

3999-70-0 H

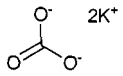
C_4H_9KO

n-Butyl alcohol, potassium salt.

1-Butanol, potassium salt; Butyl alcohol, potassium salt; EINECS 223-646-7; Potassium butanolate.

3095 Potassium carbonate

584-08-7 7702 G P



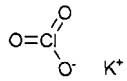
CK_2O_3

Carbonic acid potassium salt.

Carbonate of potash; Carbonic acid, dipotassium salt; Caswell No. 685; CCRIS 7320; Dipotassium carbonate; EINECS 209-529-3; EPA Pesticide Chemical Code 073504; HSDB 1262; K-Gran; Kalium carbonicum; Kaliumcarbonat; Pearl ash; Potash; Potassium carbonate; Potassium carbonate (2:1); Potassium carbonate (K_2CO_3); Potassium carbonate, anhydrous; Sal absinthii; Salt of tartar; Salt of wormwood. Used in chemical manufacturing and in medicine as an alkalizer and diuretic. Used in manufacture of special glasses (optical, TV tubes), potassium silicate, fertilizer manufacture, dehydrating agent, pigments, printing inks, lab reagent, general purpose food additive, textile, dyeing. White solid; mp = 891°; d = 2.9; soluble in H_2O (100 g/100 ml), insoluble in organic solvents; LD_{50} (rat orl) = 1.87 g/kg. *Degussa-Hüls Corp.; Mallinckrodt Inc.; OxyChem.*

3096 Potassium chlorate

3811-04-9 7703 G



$ClKO_3$

Chloric acid, potassium salt.

AI3-02907; Anforstan; Berthollet salt; Berthollet's salt; Chlorate de potassium; Chlorate of potash; Chlorate of potassium; Chloric acid, potassium salt; EINECS 223-289-7; Fekabit; HSDB 1110; NSC 68505; Oxymuriate of potash; Potash chlorate (DOT); Potassio (clorato di); Potassium (chlorate de); Potassium chlorate; Potassium oxymuriate; Potcrate; Salt of tarter; UN1485; UN2427. Oxidizing agent. Used in explosives, fireworks and matches. Also in printing and dyeing of cotton and wool. Crystals; mp = 368°; bp = 400°; d = 2.32; soluble in water (7 g/100 ml), insoluble in organic solvents.

3097 Potassium chloride

7447-40-7 7704 D G V

K—Cl

ClK

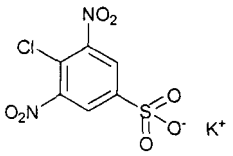
Potassium Chloride.

Acronitol; Addi-K; Apo-K; Caswell No. 686; CCRIS 1962; Celeka; Cena-K; Chlorid draselny; Chloride of potash; Chloropotassuril; Chlorvescent; Clor-K-Zaf; Colyte; Diffu-K; Dipotassium dichloride; Durekal; Durules; Durules-K; EINECS 231-211-8; Emplets Potassium Chloride; Enpott; Enseal; EPA Pesticide Chemical Code 013904; HSDB 1252; Infalyte; K-10; K-Care; K-Contin; K-Dur; K-Grad; K-Lease; K-Lor; K-Lyte/Cl; K-Norm; K-Predne-Dome; K-Sol; K-SR; K-Tab; Kadalex; Kalcorid; Kaleorid; Kaliduron; Kaliglutol; Kalilente; Kalinor-Retard P; Kalinorm; Kalinorm Depottab; Kaliolite; Kalipor; Kalipoz; Kalitabs; Kalitrans Retard; Kalium-Durettes; Kalium-Duriles; Kalium Durules; Kalium-R; Kalium Retard; Kalium S.R.; Kalium SR; Kaochlor; Kaon-Cl; Kaon-Cl 10; Kaon-Cl TABS; Kaskay; Kato; Kay-Cee-L; Kay Ciel; Kay-EM; Kayback; Kayciel; Kaysay; KCl-retard Zyma; KCL Retard; Kelp salt; Keylyte; Klor-Con; Klor-Lyte; Kloren; Klorvess; Klotrix; Kolyum; KSR; Lento-K; Lento-Kalium; Leo-K; Micro-K; Micro-K Extentcaps; Micro-Kalium Retard; Miopotasio; Monopotassium chloride; Muriate of potash; Natural sylvite; Neobakasal; NSC 77368; Nu-K; Peter-Kal; Pfiklor; Plus Kalium Retard; Potasion; Potasol; Potassium chloride; Potassium chloride (K_3Cl_3); Potassium chloride (KCl); Potassium monochloride; Potassium muriate; Potavescent; Rekawan; Rekawan Retard; Repone-K; Rum-K; Slow-K; Span-K; Steropotassium; Super K; Ten-K; Tripotassium trichloride; Ultra-K-Chlor.; component of: Colyte, Infalyte, K-Lyte/Cl, Kolyum, K-Predne-Dom. Electrolyte replenisher. Used in veterinary medicine as a potassium supplement. Large doses may cause gastrointestinal irritation, weakness, circulatory disturbances. Used in fertilizers; foods, pharmaceuticals; in photography; in buffer solutions, electrode cells; used medicinally as an electrolyte replenisher and as a potassium supplement. Crystals; mp = 773°; d = 1.98; pH 7; soluble in H_2O (35.7 g/100 ml at 20°,

55.5 g/100 ml at 100°), glycerol (7.1 g/100 ml), EtOH (0.4 g/100 ml). *Abbott Labs Inc.; Apothecon; Bayer Corp.; Bristol Laboratories; Ciba-Geigy Corp.; Fisons Pharm. Div.; Forest Pharm. Inc.; ICN Pharm. Inc.; Key Pharm.; McGaw Inc.; Parke-Davis; Robins, A. H. Co.,; Sandoz Pharm. Corp.; Savage Labs; Schwarz Pharma Kremers Urban Co.*

3098 Potassium 4-chloro-3,5-dinitrobenzene-sulfonate

38185-06-7 H



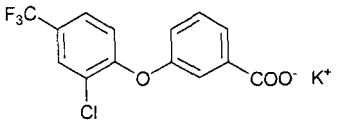
$C_6H_2ClKN_2O_7S$

4-Chloro-3,5-dinitrobenzenesulfonic acid potassium salt.

4-Chloro-3,5-dinitrobenzenesulfonic acid potassium salt; Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt; EINECS 253-816-6; NSC 123956; Potassium 4-chloro-3,5-dinitrobenzenesulphonate.

3099 Potassium 3-(2-chloro-4-(trifluoromethyl)-phenoxy)benzoate

72252-48-3 H



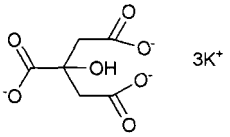
$C_{14}H_7ClF_3KO_3$

Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, potassium salt.

Potassium 3-(2-chloro-4-(trifluoromethyl)phenoxy)benz-oate.

3100 Potassium citrate

866-84-2 7706 G H V



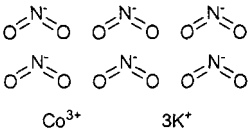
$C_6H_5K_3O_7$

1,2,3-Propanetricarboxylic acid, 2-hydroxy-, tripotassium salt.

CCRIS 6566; Citric acid, tripotassium salt; EINECS 212-755-5; HSDB 1248; *Kajos; Kaliksir;* Litocit; Polycitra K; Porekal; Potassium citrate; Potassium citrate anhydrous; Potassium tribasic citrate; Seltz-K; Tripotassium citrate; Urocit K. Food additive; antacid, antiurolithic. Used in veterinary medicine as a diuretic. White solid; soluble in H_2O (150 g/100 ml), less soluble in alcohols, insoluble in organic solvents. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Pfizer Inc.*

3101 Potassium cobalt nitrite

13782-01-9 2457 G



$CoK_3N_6O_{12}$

Potassium cobaltic nitrite.

Aureolin; C.I. 77357; C.I. Pigment Yellow 40; Cobalt Yellow; Cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-11)-; Cobaltate(3-), hexanitro-, tripotassium; Cobaltic potassium nitrite; EINECS 237-435-2; Fischer's salt; Fischer's yellow; Hexanitrocobaltate(3-) tripotassium; Potassium hexanitrocobaltate(III); Potassium nitro-cobaltate(III); Tripotassium hexanitritocobaltate. Used for the detection and determination of potassium. Also used as a pigment in painting glass, porcelain and rubber. [sesquihydrate]; yellow cubic crystals; slightly soluble in H_2O, soluble in EtOH.

3102 Potassium cocoate

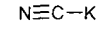
61789-30-8 H

Potassium coconut oil soap.

Cocoa fatty acids, potassium salts; Coconut fatty acid, potassium salt; Coconut oil acids, potassium salt; Coconut oil fatty acid, potassium salt; Coconut oil, potassium salts; Coconut Oil potassium soap; EINECS 263-049-9; Fatty acids, coco, potassium salts; Fatty acids, coconut oil, potassium salts; Potassium cocoate; Potassium coconut oil soap; Potassium coconut soap; Soap, potassium coconut.

3103 Potassium cyanide

151-50-8 7709 G



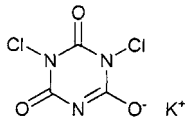
CKN

Hydrocyanic acid, potassium salt.

4-02-00-00050 (Beilstein Handbook Reference); AI3-28749; BRN 4652394; Caswell No. 688A; Cyanide of potassium; Cyanure de potassium; EINECS 205-792-3; EPA Pesticide Chemical Code 599600; HSDB 1245; Hydrocyanic acid, potassium salt; Kalium cyanid; M-44 capsules (potassium cyanide); Potassium cyanide; RCRA waste number P098; UN1680. Used in gold and silver extraction, as an analytical reagent, insecticide, fumigant, in electroplating. Crystals; mp = 634°; d = 1.52; soluble in H_2O (0.5 g/ml), less soluble in organic solvents; LD_{50} (rat orl) = 10 mg/kg. *Degussa AG; DuPont; Elf Atochem N. Am.; Grace W.R. & Co.; Mallinckrodt Inc.*

3104 Potassium dichloroisocyanurate

2244-21-5 9836 D G P



$C_3Cl_2KN_3O_3$

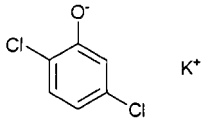
1,3-Dichloro-s-triazine-2,4,6(1H,3H,5H)trione potassium salt.

ACL-56; ACL-59; ACL-60; ACL-66; AI3-26480; Caswell No. 689; CCRIS 4878; CP17251; Dichloroisocyanuric acid potassium salt; EINECS 218-828-8; EPA Pesticide Chemical Code 081403; Fluonon; HSDB 5871; Isocyanuric acid, dichloro-, potassium salt; Laitonon; Neochlor 59; NSC 251767; Potassium dichloro isocyanurate; Potassium dichlorocyanurate; Potassium troclosene; Troclosene potassique; Troclosene potassium; Trocloseno potasico.

Bleaching compound, sanitizer, disinfectant, oxidizer in dishwashing compositions. Active ingredient in dry bleaches, water and sewage treatment. Used as a topical anti-infective. Anti-infective (topical). Halogen containing compound, the source of Cl in solid bleach and detergent formulations. Used for swimming pool maintenance. Registered by EPA as an antimicrobial and disinfectant (cancelled). Crystals; mp = 250°; soluble in H_2O (10-50 mg/ml). *3V; Biachem; ICI Spec.; Monsanto Co.; Nissan Chem. Ind.*

3105 Potassium 2,5-dichlorophenolate

68938-81-8 H



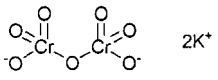
$C_6H_3Cl_2KO$

Phenol, 2,5-dichloro-, potassium salt.

EINECS 273-147-3; Phenol, 2,5-dichloro-, potassium salt; Potassium 2,5-dichlorophenolate.

3106 Potassium dichromate

7778-50-9 7710 G P



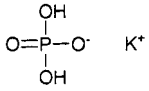
$Cr_2K_2O_7$

Potassium dichromate(VI).

Bichromate of potash; Caswell No. 690; CCRIS 2409; Chromic acid, dipotassium salt; Chromium potassium oxide ($K_2Cr_2O_7$); Dichromic acid dipotassium salt; Dipotassium bichromate; Dipotassium dichromate; Dipotassium dichromium heptaoxide; EINECS 231-906-6; EPA Pesticide Chemical Code 068302; HSDB 1238; Iopezite; Kaliumdichromat; NSC 77372; Potassium bichromate; Potassium chromate ($K_2Cr_2O_7$); Potassium dichromate; Potassium dichromate(VI); SRM 935a. Oxidizing agent, analytical reagent, brass pickling, electroplating, pyrotechnics, explosives, matches, textile dyeing and printing, adhesives, tanning leather, wood stains, lithography, synthetic perfumes, pigments, alloys, ceramics, batteries. Registered by EPA as a fungicide (cancelled). Orange crystals; mp ▫ 398°; d = 2.6760; soluble in H_2O (4 g/100 ml 20°, 50 g/100 ml 100°). *Hoechst Celanese; Mallinckrodt Inc.*

3107 Potassium dihydrogen phosphate

7778-77-0 7744 G P



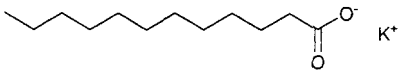
H_2KO_4P

Monobasic potassium phosphate.

EINECS 231-913-4; EPA Pesticide Chemical Code 076413; HSDB 5046; KDP; MKP; Monobasic potassium phosphate; Monopotassium dihydrogen phosphate; · Monopotassium monophosphate; Monopotassium ortho-phosphate; Monopotassium phosphate; Orthophosphoric acid, monopotassium salt; Phosphoric acid, monopotassium salt; Potassium acid phosphate; Potassium dihydrogen orthophosphate; Potassium dihydrogen phosphate; Potassium dihydrogenortho-phosphate; Potassium hydrogen phosphate (KH_2PO_4); Potassium orthophosphate, dihydrogen; Potassium phosphate; Potassium phosphate, monobasic; Sorensen's potassium phosphate Used in food products, baking powder, nutrient solutions, water treatment, buffer and sequestrant, laboratory reagent. Registered by EPA as a fungicide. Used in turf, ornamentals and bedding plants. Colorless crystals; loses H_2O at 400°; d = 2.34; soluble in H_2O (22 g/100 ml), insoluble in EtOH; pH of aqueous solution = 4.4 - 4.7. *Albright & Wilson Americas Inc.; FMC Corp.; Heico; Monsanto Co.; Sigma-Aldrich Fine Chem.*

3108 Potassium dodecanoate

10124-65-9 P



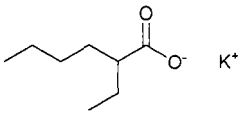
$C_{12}H_{23}KO_2$

Dodecanoic acid, potassium salt.

Caswell No. 694A; Dodecanoic acid, potassium salt; EINECS 233-344-7; EPA Pesticide Chemical Code 079021; Lauric acid, potassium salt; Potassium dodecanoate; Potassium laurate. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide. *Micro-Flo Co. LLC; Organica Inc; Safer Inc; W Neudorff GMBH KG; Woodstream Corp.*

3109 Potassium 2-ethylhexanoate

3164-85-0 H



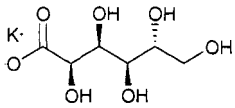
$C_8H_{15}KO_2$

Hexanoic acid, 2-ethyl-, potassium salt.

EINECS 221-625-7; 2-Ethylhexanoic acid, potassium salt; Hexanoic acid, 2-ethyl-, potassium salt; Potassium 2-ethylhexanoate.

3110 Potassium gluconate

299-27-4 7716 D G V



$C_6H_{11}KO_7$

Gluconic acid potassium salt.

EINECS 206-074-2; Gluconal® K; Gluconic acid, monopotassium salt; D-Gluconic acid, monopotassium salt; Gluconic acid potassium salt; Gluconsan K; HSDB 3165; K-lao; Kalium-beta; Kalium Gluconate; Kaon; Kaon elixir; Katorin; KOK; Kolyum; Monopotassium D-gluconate; Potalium; Potasoral; Potassium D-gluconate; Potassium gluconate; Potassuril; Sirokal; Twin-K; Glucosan K; Kalimozan; Kaon; Potasoral; Potassuril; K-lAO; Tumil-K; Jaon; Katorin. Electrolyte replenisher. Pharmaceutical/food grade mineral source for human and veterinary pharmaceutical preparations, dietary supplements, fortified foods and animal feed. Dec 180°; freely soluble in H_2O; insoluble in EtOH, Et_2O, C_6H_6, $CHCl_3$. *Adria Labs.; Akzo Chemie; Boots Co.; Fisons plc; Greeff R.W. & Co.; Knoll Pharm. Co.; Savage Labs.*

3111 Potassium hydroxide

1310-58-3 7724 G P

K—OH

HKO

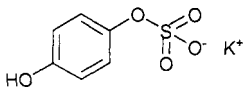
Potash.

Caswell No. 693; Caustic potash; Caustic potash solution; CCRIS

6569; Cyantek CC 723; EINECS 215-181-3; EPA Pesticide Chemical Code 075602; HSDB 1234; Hydroxyde de potassium; Potash; Potash lye; Potassa; Potasse caustique; Potassio (idrossido di); Potassium (hydroxyde de); Potassium hydrate; Potassium hydroxide; Potassium hydroxide (K(OH)); UN1813; UN1814; Vegetable alkali. Used to manufacture soap; absorbs CO_2; removes paint and varnish; used in organic syntheses. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). FDA GRAS, Europe listed, UK approved; FDA approved for intravenous, parenterals, orals, topicals, USP/NF, BP, JP compliant. Alkalizing agent, used in intravenous, parenterals, orals, topicals, caustic for wart removal, cuticle solvent, used in escharotic preparations. White solid; mp = 405°, bp = 1320°; d = 2.044; soluble in H_2O (111 g/100 ml at 20°, 167 g/100 ml at 100°), EtOH (33 g/100 ml), glycerol (40 g/100 ml); pH of 0.1M aqueous solution = 13.5. LD_{50} (rat orl) = 1230 mg/kg, 365 mg/kg, TLV = 2 mg/m^3 (air). *Avrachem; Hüls Am.; ICI Spec.; Integra; Mallinckrodt Inc.; Occidental Chem. Corp.; Olin Res. Ctr.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

3112 Potassium 4-hydroxyphenyl sulfate

37067-27-9 G



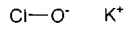
$C_6H_5KO_5S$

Potassium 4-hydroxyphenyl sulfate.

EINECS 253-332-5; Potassium p-hydroxyphenyl sulphate; Potassium 4-hydroxyphenyl sulfate. *Rhone-Poulenc UK.*

3113 Potassium hypochlorite

7778-66-7 G



ClKO

Hypochlorous acid, potassium salt.

EINECS 231-909-2; HyPure K; Potassium chloride oxide; Potassium hypochlorite. For liquid bleach, water treatment, hard surface cleaners. *Olin Corp.*

3114 Potassium Iodide

7681-11-0 7727 D G P V

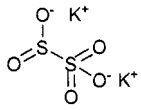
IK

Iodic acid potassium salt.

AI3-52931; Asmofug E; Caswell No. 694; Dipotassium diiodide; EINECS 231-659-4; Embamix; EPA Pesticide Chemical Code 075701; HSDB 5040; Iodure de potassium; Jodid; Joptone; K1-N; Kali iodide; Kalii iodidum; Kisol; Knollide; Mixture Name; Mudrane Tablets; Mudrane-2 Tablets; NSC 77362; Pima; Potassium diiodide; Potassium iodide; Potassium iodide (KI); Potassium monoiodide; Potassium salt of hydriodic acid; Potide; Quadrinal; Thyro-Block; Thyrojod; Tripotassium triiodide; Jodid; Thyroblock; Thyrojod. Reagent in analytical chemistry; photographic emulsions; animal feed additive; dietary supplement; in table salt; nylon stabilizer. Antifungal; expectorant; iodine supplement. Used in veterinary medicine (orally) to treat goiter, actinobacillosis, actinomycosis, iodine deficiency, lead or mercury poisoning. Registered by EPA as an antimicrobial, fungicide and herbicide. FDA GRAS, BP, Ph.Eur. compliance. Used as a source of dietary iodine, a dye remover and an antiseptic. Crystals; mp ▫ 680°; d = 3.12; soluble in H_2O (140 g/100 ml), EtOH, MeOH, Me_2CO, glycerol, ethylene glycol; LD_{50} (rat iv) = 285 mg/kg. *Atomergic Chemetals; Greeff R.W. & Co.; May & Baker Ltd.; Mitsui Toatsu; Sigma-Aldrich Fine Chem.*

3115 Potassium metabisulfite

16731-55-8 7729 G



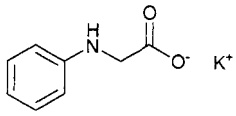
$K_2O_5S_2$

Disulfurous acid, dipotassium salt.

CCRIS 1427; Dipotassium disulfite; Dipotassium disulphite; Dipotassium metabisulfite; Dipotassium pyrosulfite; Disulfurous acid, dipotassium salt; EINECS 240-795-3; HSDB 5062; Potassium disulfite; Potassium disulfite ($K_2S_2O_5$); Potassium metabisulfite; Potassium pyrosulfite; Pyrosulfurous acid, dipotassium salt. Inorganic salt; antiseptic; reagent; source of sulfurous acid; photographic developing agent; brewing, wine making; food preservative; bleaching agent. White crystals; freely soluble in H_2O, insoluble in organic solvents. *Allchem Ind.; Farleyway Chem. Ltd.; Mallinckrodt Inc.*

3116 Potassium N-phenylglycinate

19525-59-8 H



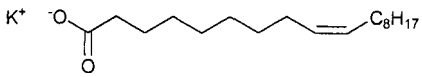
$C_8H_8KNO_2$

Glycine, N-phenyl-, monopotassium salt.

AI3-15398; EINECS 243-133-1; Glycine, N-phenyl-, monopotassium salt; N-Phenylglycine potassium salt; NSC 405072; Potassium N-phenylglycinate.

3117 Potassium oleate

143-18-0 7735 G P



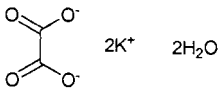
$C_{18}H_{33}KO_2$

Potassium 9-(Z)-octadecenoate.

Caswell No. 698B; EINECS 205-590-5; EPA Pesticide Chemical Code 079095; HSDB 5643; Octosol 449; Oleic acid, potassium salt; Potassium 9-octadecenoate; Potassium 9-octadecenoate, (Z)-; Potassium cis-9-octadecenoic acid; Potassium oleate; Trenamine D-200; Trenamine D-201. Foaming agent, stabilizer, emulsifier, dispersant; primary frothing aid in gelled latex foam compounds. Liquid soap for hand cleaners, tire mounting lubricant; emulsifier and corrosion control in paint strippers. Biodegradable. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide (cancelled). Yellow-brown solid; soluble in H_2O (> 100 mg/ml), EtOH. *Emkay; Fluka; Norman-Fox.*

3118 Potassium oxalate

6487-48-5 G



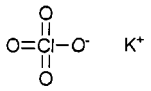
$C_2K_2O_4.2H_2O$

Potassium oxalate monohydrate.

Oxalic acid, dipotassium salt monohydrate. Analytical reagent, source of oxalic acid, bleaching and cleaning, removing stains from textiles, photography, anticoagulant. Used as an anti-coagulant, in photography and for cleaning and bleaching straw. Crystals; d = 2.1270; soluble in H_2O (30 g/100 ml). *Am. Intl. Chem.; General Chem; Heico; Verdugt BV.*

3119 Potassium perchlorate

7778-74-7 7738 G



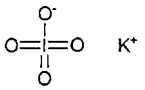
$ClKO_4$

Perchloric acid, potassium salt.

Astrumal; EINECS 231-912-9; HSDB 1222; Irenal; Irenat; KM Potassium perchlorate; Perchloric acid, potassium salt; Perchloric acid, potassium salt (1:1); Peroidin; Potassium hyperchloride; Potassium perchlorate; Potassium perchlorate ($KClO_4$); Spectrex Fire Extinguishant Formulation A; UN1489. Used in explosives, as an oxidizing agent, in photography, pyrotechnics and flares, reagent, oxidizer in solid rocket propellants. Crystals; mp = 400° (dec); d = 2.52; soluble in H_2O (0.75 g/100 ml), insoluble in organic solvents. *Am. Intl. Chem.; Eka Nobel Ltd.; Kerr-McGee; Mallinckrodt Inc.; San Yuan Chem. Co. Ltd.*

3120 Potassium periodate

7790-21-8 7739 G



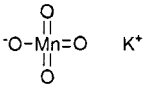
IKO_4

Potassium metaperiodate.

EINECS 232-196-0; Periodic acid (HIO_4), potassium salt; Potassium periodate. Analysis, oxidizing agent. Solid; mp = 582°; d = 3.6180. *Atomergic Chemetals; Cerac; Spectrum Chem. Manufacturing.*

3121 Potassium permanganate

7722-64-7 7740 D G P



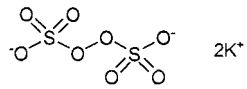
$KMnO_4$

Permanganic acid potassium salt.

AI3-52835; Algae-K; Argucide; C.I. 77755; Cairox; Caswell No. 699; CCRIS 5561; Chameleon mineral; CI 77755; Condy's crystals; Diversey Diversol CX with Arodyne; Diversey Diversol CXU; EINECS 231-760-3; EPA Pesticide Chemical Code 068501; Hilco 88; HSDB 1218; Icc 237 Disinfectant, Sanitizer, Destainer, and Deodorizer; Insta-perm; Kaliumpermanganat; Manganese potassium oxide ($KMnO_4$); NSC 146182; Permanganate de potassium; Permanganate of potash; Permanganato potasico; Permanganic acid ($HMnO_4$), potassium salt; Permanganic acid, potassium salt; Potassio (permanganato di); Potassium (permanganate de); Potassium permanganate; Pure Light E 2; Sin red; Solo San Soo; UN1490; Walko Tablets. Powerful oxidizing agent. Used in bleaches, dyeing wood brown, printing fabrics, washing CO_2, in photography, tanning, purifying water and as a chemical reagent. Disinfectant, deodorizer, dye, tanning, decontamination of radioactive skin, analytical reagent, medicine (antiseptic), manufacture of organic chemicals, air and water purification. Anti-infective (topical). Registered by EPA as an antimicrobial and disinfectant. Purple crystals; dec 240°; d = 2.7; soluble in H_2O (70-280 mg/ml); LD_{50} (rat orl) = 1.09 g/kg. *Am. Biorganics; Am. Intl. Chem.; Blythe, Williams Ltd.; Lancaster Synthesis Co.; Mallinckrodt Inc.*

3122 Potassium persulfate

7727-21-1 7741 G



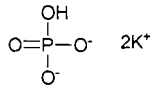
$K_2O_8S_2$

Peroxydisulfuric acid dipotassium salt.

Anthion; Caswell No. 700; Dipotassium peroxodisulphate; Dipotassium peroxydisulfate; Di-potassium persulfate; EINECS 231-781-8; EPA Pesticide Chemical Code 063602; HSDB 2638; Peroxydisulfuric acid, dipotassium salt; Peroxydisulfuric acid ($(HO)S(O)_2)_2O_2$), dipotassium salt; Potassium peroxydi-sulfate; Potassium peroxydisulfate ($K_2(S_2O_8)$); Potassium peroxydisulphate; Potassium persulfate; UN1492. Bleaching, oxidizing agent, reducing agent in photography, antiseptic, soap manufacture, analytical reagent, polymerization promoter, pharmaceuticals, starch modifier, flour-maturing agent, textile desizing. Used as a hypo eliminator in photography. Colorless crystals; dec 100°; soluble in H_2O (2 g/100 ml 25°, 4 g/100 ml 40°), insoluble in EtOH. *Allchem Ind.; DuPont; FMC Corp.; Mallinckrodt Inc.; San Yuan Chem. Co. Ltd.; Transol Chem. UK Ltd.*

3123 Potassium phosphate, dibasic

7758-11-4 7743 D G



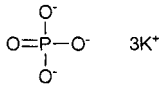
K_2HPO_4

Potassium phosphate, dibasic.

CCRIS 6544; Dibasic potassium phosphate; Dipotassium hydrogen phosphate; Dipotassium hydrogenortho-phosphate; Dipotassium monohydrogen phosphate; Dipotassium monophosphate; Dipotassium ortho-phosphate; Dipotassium phosphate; DKP; EINECS 231-834-5; HSDB 935; Hydrogen dipotassium phosphate; Isolyte; Phosphoric acid, dipotassium salt; Potassium dibasic phosphate; Potassium monohydrogen phosphate; Potassium monophosphate; Potassium phosphate (dibasic). DKP; food and automotive industry; buffer in antifreezes; nutrient; humectant; pharmaceuticals. Medicinally, a calcium regulator and cathartic. Also used as a buffer. White crystals, very soluble in H_2O (150 g/100 ml). *Albright & Wilson Americas Inc.; FMC Corp.; Heico; Monsanto Co.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

3124 Potassium phosphate, tribasic

7778-53-2 7745 G P



K_3O_4P

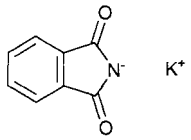
Potassium phosphate tribasic monohydrate.

Caswell No. 700A; CCRIS 7321; EPA Pesticide Chemical Code

076407; Phosphoric acid, tripotassium salt; Potassium orthophosphate; Potassium phosphate; Potassium phosphate (K_3PO_4); Potassium phosphate, tribasic; TKP; Tripotassium orthophosphate; Tripotassium phosphate. Detergent, water treatment, automotive products, fertilizer, foods as emulsifier. Used as a food additive. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Deliquescent crystals; mp = 1340°; d_4^{17}= 2.564; soluble in H_2O (44 g/100 ml at 0°, 51 g/100 ml at 25°, 58 g/100 ml at 45°), aqeous solutions are strongly alkaline, insoluble in EtOH; [octahydrate]: plates; mp = 45.1°. *Albright & Wilson Americas Inc.; Ashland; FMC Corp.; Monsanto Co.; Sigma-Aldrich Co.*

3125 Potassium phthalimide

1074-82-4 H



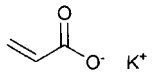
$C_8H_4KNO_2$

1H-Isoindole-1,3(2H)-dione, potassium salt.

EINECS 214-046-6; HSDB 5781; N-Potassiophthalimide; N-Potassium phthalimide; NSC 167070; Phthalimide, potassium salt; Potassium phthalimidate; Potassium phthalimide.

3126 Potassium polyacrylate

25608-12-2 G



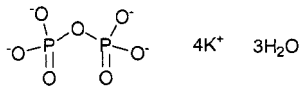
$(C_3H_4O_2)_x$ xK

Polyacrylic acid, potassium salt.

2-Propenoic acid, homopolymer, potassium salt; Polyacrylic acid, potassium salt; Potassium polyacrylate. Used as a dispersant for latex paints and coatings, pigments.

3127 Potassium pyrophosphate

7320-34-5 7748 G



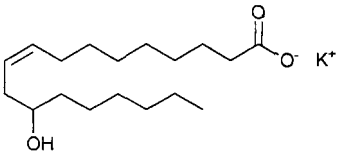
$K_4O_7P_2.3H_2O$

Tetrapotassium pyrophosphate.

Diphosphoric acid, tetrapotassium salt; EINECS 230-785-7; Potassium diphosphate; Potassium pyrophosphate; Pyrophosphoric acid, tetrapotassium salt; Tetrakal; Tetrapotassium diphosphate; Tetrapotassium diphos-phorate; Tetrapotassium pyrophosphate; TKPP. Soap and detergent builder, sequestering agent, peptizing and dispersing agent. Crystals; soluble in H_2O, insoluble in EtOH, organic solvents. *Albright & Wilson Americas Inc.; Elf Atochem N. Am.; FMC Corp.; Monsanto Co.*

3128 Potassium ricinoleate

7492-30-0 G P



$C_{18}H_{33}KO_3$

12-Hydroxy-9-octadecenoic acid, monopotassium salt.

Caswell No. 701A; EINECS 231-314-8; EPA Pesticide Chemical Code 079023; HSDB 2167; 12-Hydroxy-9-octadecenoic acid, monopotassium salt; 9-Octadecenoic acid, 12-hydroxy-, monopotassium salt; 9-Octadecenoic acid, 12-hydroxy-, monopotassium salt, (R-(Z))-; 9-Octadecenoic acid, 12-hydroxy-, monopotassium salt, (9Z,12R)-; Ricinoleic acid, monopotassium salt; Solricin® 135. Detergent, emulsifier, mild germicide, glycerized rubber lubricant, foam stabilizer in foamed rubber; making of cutting and solvent oils, household and cosmetic products. Has been used as an antimicrobial in catfish farms. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticicide (cancelled). *CasChem.*

3129 Potassium rosinate

61790-50-9 H

Rosin acids, potassium salts.

Disproportionated rosin acid, potassium salt; Disproportionated rosin, potassium soap; EINECS 263-142-4; Potassium rosinate; Potassium salt of wood rosin acids; Potassium soap of rosin; Resin acids and Rosin acids, potassium salts; Rosin acids, potassium salts; Rosin, disproportionated, potassium salt; Rosin, potassium salt.

3130 Potassium silicate

1312-76-1 7753 G

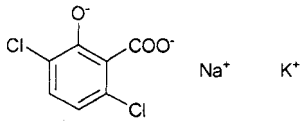
$K_2Si_2O_5$ to $K_2Si_3O_7$

Potassium polysilicate.

Caswell No. 701B; EINECS 215-199-1; EPA Pesticide Chemical Code 072606; HSDB 5798; Kasil; Kasil 6; Potassium metasilicate; Potassium silicate; Potassium silicate solution; Potassium water glass; PS 7; Pyramid 120; Silicic acid, potassium salt; Soluble potash glass; Soluble potash water glass. Alkaline builder for liquid detergents and cleaners, binder for phosphors in cathode ray tubes. Used as a binder in carbon electrodes, lead pencils etc., also in protective coatings, detergents and glass. White powder; poorly soluble in H_2O, insoluble in organic solvents. *PQ Corp.*

3131 Potassium sodium 2,6-dichlorosalicylate

68938-79-4 H



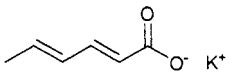
$C_7H_2Cl_2KNaO_3$

Benzoic acid, 3,6-dichloro-2-hydroxy-, potassium sodium salt.

Benzoic acid, 3,6-dichloro-2-hydroxy-, potassium sodium salt; 3,6-Dichlorosalicylate, sodium, potassium salt; EINECS 273-145-2; Potassium sodium 2,6-dichloro-salicylate.

3132 Potassium sorbate

24634-61-5 7756 G H



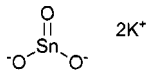
$C_6H_7KO_2$

2,4-Hexadienoic acid, (E,E)-, potassium salt.

AI3-26043; CCRIS 1894; E 202; EINECS 246-376-1; 2,4-Hexadienoic acid, (E,E)-, potassium salt; 2,4-Hexadienoic acid, potassium salt, (E,E)-; 2,4-Hexadienoic acid, potassium salt, (2E,4E)-; Potassium (E,E)-hexa-2,4-dienoate; Potassium 2,4-hexadienoate, (E,E)-; Potassium (E,E)-2,4-hexadienoate; Potassium sorbate; Potassium sorbate (E); Potassium (E,E)-sorbate; Sorbic acid, potassium salt, (E,E)-; Sorbic acid, potassium salt; Sorbistat potassium. Used as a mold and yeast inhibitor. Crystals; mp = 270° (dec); d_{20}^{25} = 1.363; soluble in H_2O (58 g/100 ml), less soluble in organic solvents. *Chisso Corp.; Gist-Brocades Intl.; Hoechst Celanese; Pfizer Inc.; Protameen.*

3133 Potassium stannate

12142-33-5 7757 G



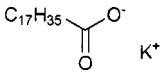
$K_2O_3Sn \cdot 3H_2O$

Potassium stannate(IV).

Dipotassium tin trioxide; EINECS 235-255-9; Potassium stannate; Potassium stannate(IV); Stannate (SnO_3^{2-}), dipotassium. Textile dyeing and printing, alkaline tinplating bath. [trihydrate]; d = 3.197; soluble in H_2O (100 g/100 ml), insoluble in EtOH. *Allchem Ind.; Blythe, Williams Ltd.; Elf Atochem N. Am.; M&T Harshaw; Nihon Kagaku Sangyo.*

3134 Potassium stearate

593-29-3 7758 G



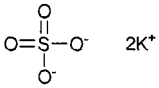
$C_{18}H_{35}KO_2$

Octadecanoic acid, potassium salt.

EINECS 209-786-1; Octadecanoic acid, potassium salt; Potassium n-octadecanoate; Potassium octadecanoate; Potassium stearate; Steadan 300; Stearates; Stearic acid, potassium salt. Used in manufacture of textile softeners. White waxy solid; slightly soluble in H_2O. *CK Witco Corp.; Original Bradford Soapworks.*

3135 Potassium sulfate

7778-80-5 7759 D G P



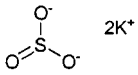
K_2O_4S

Sulfuric acid dipotassium salt.

Arcanum duplicatum; Caswell No. 702; Dipotassium sulfate; EINECS 233-558-0; EPA Pesticide Chemical Code 005603; Glazier's salt; HSDB 5047; Kalium sulphuricum; Potassium sulfate; Potassium sulphate; Sal Polychrestum; Sulfuric acid, dipotassium salt; Sulphuric acid, potassium salt; Tartarus vitriolatus. Analytical reagent, medicine (cathartic), gypsum cements, fertilizer, manufacture of alum and glass, food additive. Registered by EPA as a herbicide and insecticide. Colorless, hard crystals; mp = 1067°; d = 2.66; soluble in H_2O (12 g/100 ml at 25°, 25 g/100 ml at 100°), glycerol 1.3 g/100 ml), insoluble in EtOH; pH of aqueous solution = 7. *Chisso Corp.; General Chem; Heico; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

3136 Potassium sulfite

10117-38-1 7761 D G



K_2O_3S

Sulfurous acid potassium salt.

Dipotassium sulfite; EINECS 233-321-1; HSDB 5052; Potassium sulfite; Potassium sulfite (K_2SO_3); Potassium sulphite; Stahl's sulfur salt; Sulfurous acid, dipotassium salt; Sulfurous acid, potassium salt. Used as a photographic developer, medicine, in food and wine as a preservative. Laxative-cathartic. Soluble in H_2O (28.5 g/100 ml), slightly soluble in EtOH.

3137 Potassium tallate

61790-44-1 H

Tall oil acid, potassium salt.

EINECS 263-136-1; Fatty acids, tall-oil, potassium salts; Potassium soap of tall oil fatty acids (C_{18}); Potassium tallate; Tall oil acids, potassium salt; Tall oil fatty acids, potassium salt; Tall oil, potassium salt; Tall oil soaps, potassium.

3138 Potassium titanium fluoride

16919-27-0 G

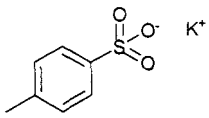
F_6K_2Ti

Titanium(IV) potassium Fluoride.

Aflammit TI; Dipotassium hexafluorotitanate; Dipotass-ium hexafluorotitanate(2-); Dipotassium monotitanium hexafluoride; Dipotassium titanium hexafluoride; EINECS 240-969-9; Fluotitanate de potassium; NSC 187663; Potassium fluorotitanate (K_2TiF_6); Potassium hexa-fluorotitanate; Potassium titanium fluoride; Titanate(2-), hexafluoro-, dipotassium; Titanium potassium fluoride. Flameproofing agent used in wool processing. *Thor Chemicals (UK) Ltd.*

3139 Potassium toluene sulfonate

30526-22-8 G



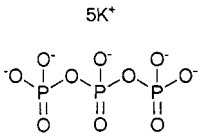
$C_7H_7KO_3S$

Benzenesulfonic acid, methyl-, potassium salt.

Caswell No. 703B; EINECS 250-228-1; EPA Pesticide Chemical Code 079031; Hartotrope KTS 44; Naxonate® 4KT; Potassium toluene sulfonate; Potassium toluene sulphonate; Toluenesulfonic acid, potassium salt. Mixture of o, m and p-isomers. Hydrotrope for high activity or built liquid detergent systems; for use where sodium ion undesirable. Hydrotrope, stabilizer, solubilizer used in formulating detergents, inks, electroplating baths, dyestuffs, polymers. *Hart Prod.; Ruetgers-Nease.*

3140 Potassium tripolyphosphate

13845-36-8 G



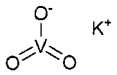
$K_5O_{10}P_3$

Pentapotassium tripolyphosphate.

EINECS 237-574-9; Pentapotassium triphosphate; Potass-ium triphosphate ($K_5P_3O_{10}$); Potassium tripoly-phosphate; Triphosphoric acid, pentapotassium salt. Used in detergents, paints, cleaners, specialty fertilizers, sequestrant. *Albright & Wilson Americas Inc.; FMC Corp.*

3141 Potassium vanadate

13769-43-2 G



KO_3V

Potassium metavanadate.

EINECS 237-388-8; K-Van; Potassium m-vanadate; Potassium metavanadate; Potassium trioxovanadate; Potassium vanadate; Potassium vanadate(V) (KVO_3); Potassium vanadium trioxide; UN2864; Vanadate (VO_3^{1-}), potassium; Vanadic acid, potassium salt. Crystals; mp = 520°; d = 2.840. *Kerr-McGee.*

3142 Potassium zirconium fluoride

16923-95-8 7723 G

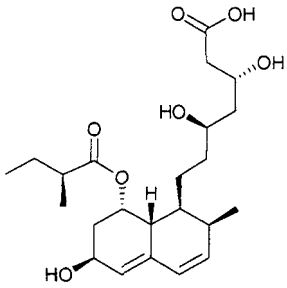
F_6K_2Zr

Zirconium(IV) potassium fluoride.

Aflammit ZR; Dipotassium hexafluorozirconate(2-); Dipotassium zirconium hexafluoride; EINECS 240-985-6; HSDB 2019; NSC 310011; Potassium fluorozirconate; Potassium fluorozirconate (K_2ZrF_6); Potassium hexafluorozirconate; Potassium zirconifluoride; Potassium zirconium fluoride; Potassium zirconium hexafluoride; Zirconate(2-), hexafluoro-, dipotassium; Zirconium potassium fluoride. Flameproofing agent used in wool processing. Also used in manufacture of zirconium. Solid; slightly soluble in cold H_2O. *Thor Chemicals (UK) Ltd.*

3143 Pravastatin

81093-37-0 D



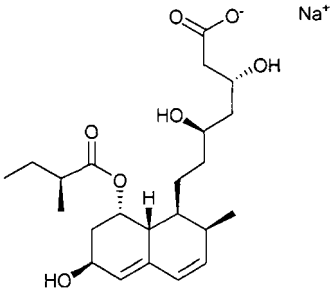
$C_{23}H_{36}O_7$

(+)-(3R,5R)-3,5-Dihydroxy-7-[(1S,2S,6R,8S,8aR)-6-hydroxy-2-methyl-8-[(S)-2-methylbutyryloxy]-1,2,6,7,8, 8a-hexahydro-1-naphthyl]heptanoic acid.

CCRIS 7557; 3β-Hydroxycompactin; Eptastatin; Prava-statin; Pravastatina; Pravastatine; Pravastatinum. Antihyperlipoproteinemic. HMG-CoA reductase inhibitor; used as an antihypercholesterolemic agent. Active metabolite of mevastatin. *Sankyo Co. Ltd.*

3144 Pravastatin sodium

81131-70-6 7800 D



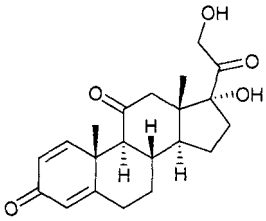
$C_{23}H_{35}NaO_7$

Sodium (+)-(3R,5R)-3,5-dihydroxy-7-[(1S,2S,6R,8S,8aR)-6-hydroxy-2-methyl-8-[(S)-2-methylbutyryloxy]-1,2,6,7,8, 8a-hexahydro-1-naphthyl]heptanoate.

Aplactin; Bristacol; CS-514; DRG-0319; Elisor; Epastatin sodium; 3-β-Hydroxycompactin sodium salt; Lipemol; Lipidal; Lipostat; Liprevil; Mevalotin; Oliprevin; Pralidon; Prareduct; Pravachol; Pravacol; Pravaselect; Pravasin; Pravasine; Pravastatin Natrium Mayrho Fer; Pravastatin sodium; Pravigard PAC; Sanaprav; Selectin; Selektine; Selipran; SQ-31000; Vasen; Vasten. HMG-CoA reductase inhibitor; used as an antihypercholesterolemic agent. Active metabolite of mevastatin. Antihyperlipoprotein-emic. λ_m = 230, 237, 245 nm. *Sankyo Co. Ltd.*

3145 Prednisone

53-03-2 7810 D



$C_{21}H_{26}O_5$

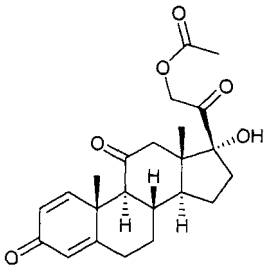
17,21-Dihydroxypregna-1,4-diene-3,11,20-trione.

Adasone; AI3-52939; Ancortone; Apo-Prednisone; Bicortone; Cartancyl; CCRIS 2646; Colisone; Cortan; Cortancyl; Cortidelt; Cotone; Dacorten; Dacortin; Decortancyl; Decortin; Decortisyl; Dekortin; Delcortin; Dellacort; Dellacort A; delta-Cortelan; delta-Cortisone; delta-Dome; delta E; Deltacortene; Deltacortisone; Deltacortone; Deltasone; Deltison; Deltisona; Deltra; Di-Adreson; DRG-0227; Econosone; EINECS 200-160-3; Encorton; Encortone; Enkorton; Fiasone; Hostacortin; HSDB 3168; IN-Sone; Incocortyl; Juvason; Liquid Pred; Lisacort; Me-Korti; Metacortandracin; Meticorten; Metrevet; NCI-C04897; Nisona; Nizon; Novoprednisone; NSC-10023; Nurison; Orasone; Origen Prednisone; Panafcort; Panasol; Paracort; Parmenison; Pehacort; Predeltin; Prednicen-M; Prednicorm; Prednicort; Prednicot; Prednidib; Prednilonga; Prednison; Prednisona; Prednisone; Prednisonum; Prednitone; Prednizon; Prednovister; Presone; Pronison; Rectodelt; Retrocortine; Servisone; SK-Prednisone; Sone; Sterapred; Supercortil; U 6020; Ultracorten; Ultracortene; Winpred; Wojtab; Zenadrid. Glucocorticoid. Used as an antiinflammatory agent. Crystals; Dec 233-235°; $[\alpha]_D^{25}$ = +172° (in dioxane); λ_m = 238 nm (ε 15500); slightly soluble in H_2O; more soluble in organic solvents.

Miles Inc.; Parke-Davis; Schering-Plough HealthCare Products; Solvay Pharm. Inc.; Upjohn Ltd.

3146 Prednisone 21-acetate

125-10-0 7810 D



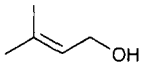
$C_{23}H_{28}O_6$

21-(Acetyloxy)-17-hydroxypregna-1,4-diene-3,11,20-trione.

4-08-00-03532 (Beilstein Handbook Reference); BRN 2342061; Cortancyl; Delcortin; Delta-corlin; Delta-Cortelan; Deltalone; EINECS 204-726-0; Ferrosan; Hostacortin; Nisone; NSC 10965; Prednisone acetate; Prednisone 21-acetate; U 6167. Glucocorticoid. Dec 226-232°; $[\alpha]_D^{25}$ = +186° (dioxane); λ_m = 238 nm (ε 16100 EtOH). *Schering-Plough HealthCare Products.*

3147 Prenol

556-82-1 G H



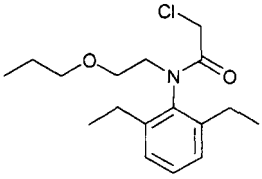
$C_5H_{10}O$

3-Methyl-2-butenyl alcohol.

4-01-00-02129 (Beilstein Handbook Reference); BRN 1633479; 2-Buten-1-ol, 3-methyl-; 3,3-Dimethylallyl alcohol; Dimethylallyl alcohol; EINECS 209-141-4; FEMA No. 3647; 3-Methyl-2-buten-1-ol; 3-Methylcrotyl alcohol; NSC 158709; Prenol; Prenyl alcohol. Fragrance and flavoring (fresh, herbal, green, fruity, slightly lavender-like). Liquid; mp = 0°; bp = 140°; d^{25} = 0.8480; soluble in H_2O (170 g/l), organic solvents; LD_{50} (rat orl) = 810 mg/kg. *BASF Corp.*

3148 Pretilachlor

51218-49-6 7829 H P



$C_{17}H_{26}ClNO_2$

2-Chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)acet-amide.

Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxy-ethyl)-; BRN 2754162; CG 113; CGA 26423; 2-Chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide; 2-Chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)acetamide; Pretil-achlor; Pretilachlore; Rifit; Solnet. Herbicide. Colorless liquid; $bp_{0.001}$ = 135°; sg^{20} = 1.076; soluble in H_2O (0.005 g/100 ml at 20°), very soluble in C_6H_6, C_6H_{14}, MeOH, CH_2Cl_2; LD_{50} (rat orl) = 6099 mg/kg, (rat der) > 3100 mg/kg; LC_{50} (rat ihl 4 hr.) = 2.8 mg/l air, (rainbow trout 96 hr.) = 0.9 mg/l, (catfish 96 hr.) = 2.7 mg/l, (crucian carp 96 hr.) = 2.3 mg/l; slightly toxic to birds, slightly toxic to bees. *Ciba-Geigy Corp.; Syngenta Crop Protection.*

3149 Printer's acetate

8006-13-1 322 D G

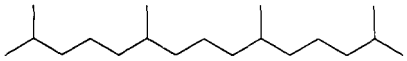
$AlC_6H_9O_6$

Burow's solution.

Aluminum acetate solution; Burow's solution; Buro-Sol Concentrate; Domeboro; component of: Otic Domeboro; See [139-12-8]. Aluminum acetate. Antiseptic (topical); astringent. Colorless liquid; d 1.002; pH (1:20 aqueous solution) = 4.2. *Doak Pharmacal Co. Inc.; Miles Inc.*

3150 Pristane

1921-70-6 7841 G



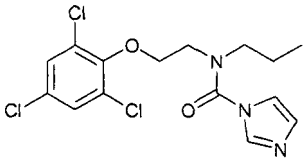
$C_{19}H_{40}$

2,6,10,14-tetramethylpentadecane.

3-01-00-00570 (Beilstein Handbook Reference); BRN 1720538; Bute hydrocarbon; EINECS 217-650-8; Norphytan; Norphytane; NSC 114852; Pentadecane, 2,6,10,14-tetramethyl-; Pristane; 2,6,10,14-Tetramethyl-pentadecane. Isolated from Shark liver oil. A chemically inert oil used as a lubricant and heat transfer oil in transformers. Oil; bp = 296°; d_4^{20} = 0.78267; n_D^{20} = 1.43848; insoluble in H_2O, soluble in organic solvents.

3151 Prochloraz

67747-09-5 7849 P



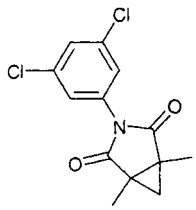
$C_{15}H_{16}Cl_3N_3O_2$

N-Propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidaz-ole-1-carboxamide.

Ascurit; BTS 40542; BTS 40542-7877; Caswell No. 704E; Dibavit; DMI; EINECS 266-994-5; EPA Pesticide Chemical Code 128851; KI 835; Mirage; Octave; Omega; Prelude; Prochloraz; Sporgon; Sportak; Sportak PF; Sprint. Broad spectrum fungicide wth protective and eradicative action. Applied as a foliar spray to control *Rhynchosporium, Helminthosporium, Septoria, Fusarium, Pseudocercosporella, Erysiphe and Pyrenophora* species in cereal crops. Crystals; mp = 36 - 41°; sg^{20} = 1.42; soluble in H_2O (0.0055 g/100 ml at 25°), $CHCl_3$ (250 g/100 ml), Et_2O (250 g/100 ml), C_7H_8 (250 g/100 ml), xylene (250 g/100 ml), Me_2CO (350 g/100 ml); LD_{50} (rat orl) ■ 1600 mg/kg, (mus orl) =2400 mg/kg, (rat der) > 5000 mg/kg, (rbt der) > 3000 mg/kg, (mallard duck orl) = 3132 mg/kg, (bee orl) = 0.06 mg/bee, (bee topical) = 0.05 mg/bee; LC_{50} (rat ihl 4 hr.) > 2.16 mg/l air, (rainbow trout 96 hr.) = 1 mg/l, (bluegill sunfish 96 hr.) = 2.2 mg/l; non-toxic to bees. *Aventis Crop Science; Schering Agrochemicals Ltd.*

3152 Procymidone

32809-16-8 7854 P



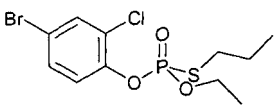
$C_{13}H_{11}Cl_2NO_2$

3-(3,5-Dichlorophenyl)-1,5-dimethyl-3-azabicyclo[3.1.0]-hexane-2,4-dione.

5-21-10-00069 (Beilstein Handbook Reference); 3-Azabicyclo(3.1.0)hexane-2,4-dione, 3-(3,5-dichlorophen-yl)-1,5-dimethyl-; BRN 1539058; 1,2-Cycloprop-anedicarboximide, N-(3,5-dichlorophenyl)-1,2-dimethyl-; 3-(3,5-Dichlorophenyl)-1,5-dimethyl-3-azabicyclo(3.1.0)-hexane-2,4-dione; Dicyclidine; N-(3',5'-Dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide; Procymid-one; S 7131; SP 751011; Sumilex; Sumisclex. Fungicide. Light brown crystals; mp = 165 - 167°; sg^{25} = 1.452; soluble in H_2O (0.00045 g/100 ml at 25°), Me_2CO (18 g/100 ml), xylene (18 g/100 ml), $CHCl_3$ (21 g/100 ml), DMF (23 g/100 ml); slightly soluble in alcohols; LD_{50} (mrat orl) = 6800 mg/kg, (frat orl) = 7700 mg/kg, (mus orl) = 7800 - 9100 mg/kg, (mmus der) = 7800 mg/lkg, (fmus der) = 9100 mg/kg, (rat der) > 2500 mg/kg; LC_{50} (bluegill sunfish 96 hr.) = 22.9 mg/l, (rainbow trout 96 hr.) = 3.6 mg/l, (carp 48 hr.) = 10 mg/l; non-toxic to bees. *Sumitomo Corp.*

3153 Profenofos

41198-08-7 7860 H P



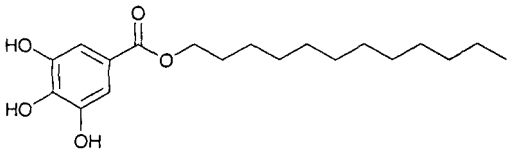
$C_{11}H_{15}BrClO_3PS$

O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosph-orothioate.

AI3-29236; BRN 2150258; Caswell No. 266AA; CGA 15324; Curacron; EPA Pesticide Chemical Code 111401; O-(4-Bromo-2-chlorophenyl) O-ethyl S-propyl phosph-orothioate; Phosphorothioic acid, O-(4-bromo-2-chlorophenyl) O-ethyl S-propyl ester; Polycron; Profenofos; Profenophos; Selecron. Used as an insecticide and acaricide. Registered by EPA as an insecticide. Yellow liquid; $bp_{0.001}$ = 110°; d^{20} = 1.455; soluble in H_2O (0.002 g/100 ml at 20°), freely soluble in MeOH, CH_2Cl_2, C_6H_6, C_6H_{14}; LD_{50} (rat orl) = 358 - 400 mg/kg, (rbt orl) = 700 mg/kg, (rat der) = 472 mg/kg, 3300 mg/kg, LC_{50} (rat ihl 4 hr.) = 3.0 mg/l air, LC_{50} (rainbow trout 96 hr.) = 0.08 mg/l, (crucian carp 96 hr.) = 0.09 mg/l, (bluegill sunfish 96 hr.) = 0.3 mg/l, toxic to birds, toxic to bees. *Novartis; Syngenta Crop Protection.*

3154 Progallin LA

1166-52-5 G



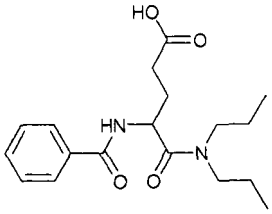
$C_{19}H_{30}O_5$

Dodecyl gallate.

4-10-00-02006 (Beilstein Handbook Reference); Benzoic acid, 3,4,5-trihydroxy-, dodecyl ester; BRN 2701981; CCRIS 5568; Dodecyl 3,4,5-trihydroxybenzoate; Dodecyl gallate; Dodecylester kyseliny gallove; EINECS 214-620-6; Gallic acid, dodecyl ester; Gallic acid, lauryl ester; Lauryl 3,4,5-trihydroxybenzoate; Lauryl gallate; Nipagallin LA; NSC 133463; Progallin LA; 3,4,5-Trihydroxybenzoic acid, dodecyl ester. Antioxidant used in cosmetics. *Nipa.*

3155 Proglumide

6620-60-6 7866 D G



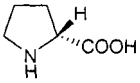
$C_{18}H_{26}N_2O_4$

(±)-4-Benzamido-N,N-dipropylglutaramic acid.

242 DL; Binoside; BRN 4151696; CR-242; EINECS 229-567-4; Gastrotopic; KXM; Midelid; Milid; Milide; Nulsa; Proglumida; Proglumide; Proglumidum; Promid; Promide (parasympatholytic); Ulcutin; W-5219; Xyde; Xylamide. Cholecystokinin inhibitor. Used as an anticholinergic agent. Crystals; mp = 142-145°; LD_{50} (mus iv) = 2211-2649 mg/kg, (mus orl) = 7350-8861 mg/kg. *Wallace Labs.*

3156 Proline

147-85-3 7871 G



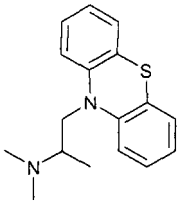
$C_5H_9NO_2$

L-Proline.

AI3-26710; CB 1707; EINECS 205-702-2; FEMA Number 3319; HSDB 1210; NSC 46703; PRO (IUPAC abbreviation); Prolina; Proline; (-)-(S)-Proline; (-)-Proline; (L)-Proline; L-(-)-Proline; L-Proline; Prolinum; 2-Pyrrolidinecarboxylic acid, (S)-; (-)-2-Pyrrolidine-carboxylic acid; L-Pyrrolidine-2-carboxylic acid; L-α-Pyrrolidinecarboxylic acid; (S)-2-Pyrrolidinecarboxylic acid. A nonessential amino acid; used in moisturizers, biochemical and nutritional research, microbiological tests, culture media, dietary supplements, lab reagent. Crystals; dec 220-222°; $[\alpha]_D^{20}$ = -52.6° (c = 0.57 in 0.5N HCl); soluble in H_2O (127 g/100 ml), less soluble in organic solvents. *Am. Biorganics; Degussa AG; Greeff R.W. & Co.; Nippon Rikagakuyakuhin; Penta Mfg.*

3157 Promethazine

60-87-7 7878 D



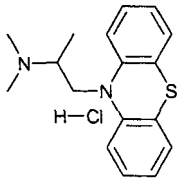
$C_{17}H_{20}N_2S$

10-[2-(Dimethylamino)propyl]phenothiazine.

3277 RP; 4-27-00-01253 (Beilstein Handbook Reference); A-91033; Antiallersin; Aprobit; Atosil; Avomine; BRN 0088554; Camergan; CCRIS 7056; Dimapp; Dimethylamino-isopropyl-phenthiazin; Diphergan; Dipra-zine; Diprozin; EINECS 200-489-2; Fargan; Fenazil; Fenetazina; Fenetazine; Hiberna; Histargan; HSDB 3173; Isophenergan; Lilly 1516; Metaryl; NCI-C60673; NSC 30321; Pelpica; Phargan; Phenargan; Phenerzine; Phenoject-50; Phensedyl; Pilothia; Pipolphene; Pro-50; Proazamine; Procit; Promacot; Promazinamide; Pro-mergan; Promesan; Prometazina; Prometh; Promethacon; Promethazin; Promethazine; Promethazinum; Pro-methegan; Promezathine; Prorex; Protazine; Provigan; Pyrethiazine; RP-3277; SKF 1498; Tanidil; Thiergan; Vallergine; WY 509. Antihistaminic with antiemetic and CNS depressant properties. Crystals; mp = 60°; bp3 = 190-192°; moderatley soluble in H_2O, soluble in dil. HCl. *Rhône-Poulenc; Wyeth Labs.*

3158 Promethazine hydrochloride

58-33-3 7878 D



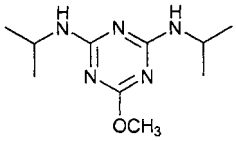
$C_{17}H_{21}ClN_2S$

10-[2-(Dimethylamino)propyl]phenothiazine hydro-chloride.

Allerfen; Anergan 25; Anergan 50; Atosil; Bonnox; Closin; Dorme; Duplamin; Eusedon Mono; Farganesse; Fellozine; Fenazil; Frinova; Genphen; Goodnight; Hibechin; Hiberna; Histantil; Lergigan; Mepergan; Phanergan D; Phencen; Phenergan; Phenergan-D; Phenergan VC; PMS Promethazine; Prome; Prometazina; Promethazine hydrochloride; Proneurin; Prorex; Prothazin; Prothazine; Provigan; Remsed; RP-3389; Soporil. Antihistaminic with antiemetic and CNS depressant properties. Crystals; mp = 230-232°; λ_m = 249, 297 nm (ε 28770, 3400 H_2O); soluble in H_2O, EtOH, $CHCl_3$; insoluble in Me_2CO, EtOAc, Et_2O; LD_{50} (mus iv) = 55 mg/kg. *Rhône-Poulenc; Wyeth Labs.*

3159 Prometon

1610-18-0 7880 H P



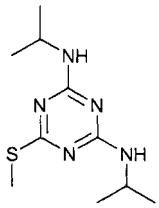
$C_{10}H_{19}N_5O$

2,4-Bis(isopropylamino)-6-methoxy-s-triazine.

AI3-60364; 2,4-Bis(isopropylamino)-6-methoxy-s-triazine; 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine; 4,6-Bis(isopropylamino)-2-methoxy-s-triazine; BRN 0613574; Caswell No. 096; 2,6-Diisopropylamino-4-methoxy-triazine; N^2,N^4-Di-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine; N,N'-Diisopropyl-6-methoxy-1,3,5-triazine-2,4-diyldiamine; N,N'-Diisopropyl-6-methoxy-1,3,5-tri-azine-2,4-diamine; EINECS 216-548-0; EPA Pesticide Chemical Code 080804; G-31435; Gesafram; Gesafram 50; HSDB 1519; 2-Methoxy-4,6-bis(isopropylamino)-1,3,5-triazine; 2-Methoxy-4,6-bis(isopropylamino)-s-tri-azine; 6-Methoxy-N,N'-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine; Methoxypropazine; NSC 163048; Ontracic 800; Ontrack; Ontrack-we-2; Pramitol; Pramitol 5P; Primatol 25e; Prometon; Prometone; 2,4-Prometone; s-Triazine, 2,4-bis(isopropylamino)-6-methoxy-; 1,3,5-Triazine-2,4-diamine, 6-methoxy-N,N'-bis(1-methyl-ethyl)- Herbicide. Registered by EPA as an antimicrobial and herbicide. Crystalline solid; mp = 91 - 92°; soluble in H_2O (0.075 g/100 ml at 20°), C_6H_6 (> 25 g/100 ml), MeOH (> 50 g/100 ml), Me_2CO (> 50 g/100 ml), CH_2Cl_2 (35 g/100 ml), C_7H_8 (25 g/100 ml); LD_{50} (rat orl) = 2980 mg/kg, (mus orl) = 2160 mg/kg, (rbt der) > 2000 mg/kg; LC_{50} (bluegill sunfish 96 hr.) > 32 ppm, (rainbow trout 96 hr.) = 20 ppm, (goldfish 96 hr.) ■ 8.6 mg/l; non-toxic to bees. *ABC Compounding Co.; Agriliance LLC; Athea Laboratories, Inc.; Makhteshim-Agan; Riverdale Chemical Co; Sungro Chemicals Inc; Syngenta Crop Protection; UAP - Platte Chemical.*

3160 Prometryn

7287-19-6 7881 G H P



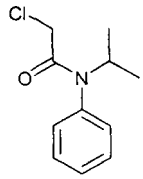
$C_{10}H_{19}N_5S$

1,3,5-Triazine-2,4-diamine, N,N'-bis(1-methylethyl)-6-(methylthio)-.

A 1114; AI3-60366; BRN 0613575; Caparol; Caparol 80W; Caswell No. 097; N,N-Di-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine N^2,N^4-Di-isopropyl-6-methyl-thio-1,3,5-triazine-2,4-diamine; N,N'-Diisopropyl-6-methylthio-1,3,5-triazine-2,4-diyldiamine; EINECS 230-711-3; EPA Pesticide Chemical Code 080805; G 34161; Gesagard; Gesagard 50; Gesagarde 50 Wp; HSDB 4060; Mercasin; Merkazin; 2-Methylmercapto-4,6-bis(isopropyl-amino)-s-triazine; 2-Methylthio-4,6-bis(isopropylamino)-s-triazine; NSC 163049; Polisin; Primatol; Primatol Q; Promepin; Promethryn; Prometrene; Prometrex; Pro-metrin; Prometryn; Prometryne; Selectin; Selectin 50; Selektin; Sesagard; s-Triazine, 2,4-bis(isopropylamino)-6-(methylthio)-; s-Triazine, 4,6-bis(isopropylamino)-2-methylmercapto-; 1,3,5-Triazine-2,4-diamine, N,N'-bis(1-methylethyl)-6-(methylthio)-; Uvon. A selective pre- and post-emergence herbicide for the control of broadleaf and grass weeds in a variety of crops. Absorbed by roots and foliage. Used for pre- and post-emergence control of most annual grasses and broad-leaved weeds. Used for selective weed control in cotton and celery crops. Registered by EPA as a herbicide. Colorless crystals; mp = 118-120°; d_{20} = 1.157; soluble in H_2O (0.0048 g/100 ml), Me_2CO (24 g/100 ml), MeOH (16 g/100 ml), CH_2Cl_2 (30 g/100 ml), C_6H_{14} (0.55 g/100 ml), C_7H_8 (17 g/100 ml); LD_{50} (rat orl) = 5235 mg/kg, (rbt der) > 3100 mg/kg; LC_{50} (bobwhite quail 5-7 day dietary) = 16140 mg/kg, (mallard duck 5-7 day dietary) = 38736 mg/kg (rainbow trout 96 hr.) = 2.5 mg/l, (bluegill sunfish 96 hr.) = 10.0 mg/l, (goldfish 96 hr.) = 3.5 mg/l, (carp 96 hr.) = 8 mg/l. *Agan Chemical Manufacturers; Agriliance LLC; Ciba Geigy Agrochemicals; Griffin LLC; Syngenta Crop Protection; UAP-West.*

3161 Propachlor

1918-16-7 7885 G P



$C_{11}H_{14}ClNO$

2-Chloro-N-(1-methylethyl)-N-phenylacetamide.

Acetamide, 2-chloro-N-(1-methylethyl)-N-phenyl-; Acet-anilide, 2-chloro-N-isopropyl-; Acilid; AI3-51503; Bexton; Bexton 4L; BRN 2103903; Caswell No. 194; Chloressigsaeure-N-isopropylanilid; Chloressigsäure-N-isopropylanilid; α-Chloro-N-isopropylacetanilide; 2-Chloro-N-(1-methylethyl)-N-phenylacetamide; 2-Chloro-N-isopropyl-N-phenylacetamide; 2-Chloro-N-isopropyl-acetanilide; CP 31393; EINECS 217-638-2; EPA Pesticide Chemical Code 019101; HSDB 1200; Kartex A; N-Isopropyl-α-chloroacetanilide; N-Isopropyl-2-chloroacet-anilide; Nitacid; Niticid; Prolex; Propachlor; Propachlore; Ramrod; Ramrod 65; Satecid; Ramrod 20G; Ramrod Flowable; propachlor + atrazine; Chloro-N-isopropyl-acetanilide; Isopropyl-2-chloroacetanilide; Albrass; Cp 31393; Croptex; Amber; Niticid; Orange; Prolex; Ramrod; Satecid; Sentinel. A pre-emergence herbicide for various horticultural crops. Selective herbicide, absorbed by seedling shoots and roots. Used for control of annual grasses and some broad-leaved weeds in vegetable crops. Crystals; mp = 77°; bp:0.03 = 110°; soluble in H_2O (613 mg/l), more soluble in organic slvents; LD_{50} (rat orl) = 1800 mg/kg. *Agan Chemical Manufacturers; Atlas Interlates Ltd; Dow UK; Hortichem Ltd.; ICI Chem. & Polymers Ltd.; ICI Plant Protection; Monsanto plc; Portman Agrochemicals Ltd.; Tripart Farm Chemicals Ltd.*

3162 1-Propanaminium, 3-amino-N-(carboxy-methyl)-N,N-dimethyl-, N-coco acyl derivs, chlorides, sodium salts

61789-39-7 H

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs, chlorides, sodium salts.
EINECS 263-057-2; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs, chlorides, sodium salts.

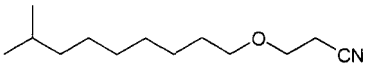
3163 Propane

74-98-6 7891 G H

C_3H_8
Propane.
A-108; Dimethylmethane; EINECS 200-827-9; HC 290; HSDB 1672; Hydrocarbon Propellant A-108; Liquefied petroleum gas; LPG; Petroleum gas, liquefied; Propane; Propyl hydride; Propyldihydride; R 290; UN1978. Used as a propellant and in organic synthesis, as a household and industrial fuel, in the manufacture of ethylene, as an extractant, solvent, refrigerant and gas enricher. Coloriess gas; mp = -187.6°; bp = -42.1°; d^{25} = 0.493; slightly soluble in H_2O, soluble in organic solvents. *Air Prods & Chems; Fina Chemicals; Phillips 66.*

3164 Propanenitrile, 3-(isodecyloxy)-

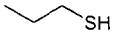
64354-92-3 H



$C_{13}H_{25}NO$
3-(Isodecyloxy)propiononitrile.
EINECS 264-840-1; 3-(Isodecyloxy)propylnitrile; 3-Isodecoxypropionitrile; Propanenitrile, 3-(isodecyloxy)-.

3165 Propanethiol

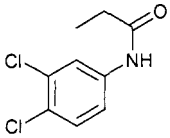
107-03-9 G H



C_3H_8S
1-Propyl mercaptan.
4-01-00-01449 (Beilstein Handbook Reference); BRN 1696860; CCRIS 1246; EINECS 203-455-5; FEMA No. 3521; HSDB 1037; Propanethiol; Propane-1-thiol; Propyl mercaptan; n-Propylmercaptan; Propylthiol; n-Propylthiol; Thiopropyl alcohol; n-Thiopropyl alcohol. Unpleasant stench oder. Used as a leak detecting additive to natural gas and as a chemical intermediate and herbicide. Liquid; mp = -113.3°; bp = 67.8°; d^{20} = 0.8411; λ_m = 240 nm; slightly soluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6. *Elf Atochem N. Am.; Phillips 66.*

3166 Propanil

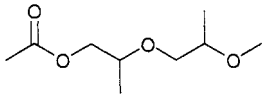
709-98-8 7896 G H P



$C_9H_9Cl_2NO$
N-(3,4-Dichlorophenyl)propanamide.
AI3-31382; B-30,130; BAY 30130; Bayer 30 130; BRN 2365645; Caswell No. 325; CCRIS 3009; Cekupropanil; Chem-Rice; Crystal propanil-4; DCPA; Dichloro-propionanilide; Dipram; DPA; Drexel Prop-Job; EINECS 211-914-6; EPA Pesticide Chemical Code 028201; Erban; Erbanil; Farmco propanil; FW 734; Grascide; Herbax; Herbax 3E; Herbax 4E; Herbax LV-30; Herbax technical; HSDB 1226; Montrose propanil; NSC 31312; Prop-Job; Propanamide, N-(3,4-dichlorophenyl)-; Propanex; Prop-anid; Propanide; Propanil; Propanilo; Propionanilide, 3',4'-dichloro-; Propionic acid 3,4-dichloroanilide; Riselect; Rogue; Rosanil; S 10165; Stam; Stam 80EDF; Stam F 34; Stam LV 10; Stam M-4; Stam supernox; Stampede; Stampede 360; Stampede 3E; Strel; Supernox; Surcopur; Synpran N; Vertac Propanil 3; Vertac Propanil 4; Wham EZ. Post-emergence applied herbicide with no residual effect for control of numerous grasses and broad-leaved weeds in rice crops. Also used as a nematocide. Registered by EPA as a herbicide. Crystals; mp = 92°; d^{25} = 1.25; soluble in H_2O (22.5 g/100 ml), C_6H_6 (7 g/100 ml), Me_2CO (170 g/100 ml); EtOH (110 g/100 ml); LD_{50} (rat orl) = 1384 mg/kg. *Agriliance LLC; Bayer AG; Dow AgroSciences; Drexel Chemical Co.; Helena Chemical Co.; RICECO; Rohm & Haas Co.; Syngenta Crop Protection.*

3167 Propanol, (2-methoxymethylethoxy)-, acetate

88917-22-0 H



$C_9H_{18}O_4$
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate..
Propanol, (2-methoxymethylethoxy)-, acetate; Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate. Contains different dihydroxypropane isomers.

3168 Propanolamine methyl ether

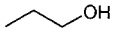
5332-73-0 H

$C_4H_{11}NO$
3-Methoxy-1-propanamine.
4-04-00-01623 (Beilstein Handbook Reference); AI3-25438; 1-Amino-3-methoxypropane; 3-Aminopropyl methyl ether; BRN 0878144; CCRIS 6178; EINECS 226-241-3; 3-Methoxy-1-propanamine; 3-Methoxy-n-propylamine; 3-Methoxypropylamine; 3-MPA; γ-Methoxypropylamine; NSC 552; 1-Propanamine, 3-methoxy-

; Propanolamine methyl ether; Propylamine, 3-methoxy-. Liquid; bp = 117.5°; d^{20} = 0.8727; soluble in H_2O, Me_2CO, C_6H_6, CCl_4, $CHCl_3$, MeOH.

3169 n-Propanol

71-23-8 7934 G P



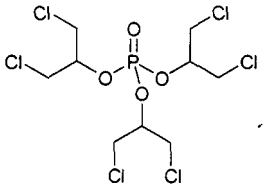
C_3H_8O

n-Propyl alcohol.

4-01-00-01413 (Beilstein Handbook Reference); AI3-16115; Albacol; Alcohol, propyl; Alcool propilico; Alcool propylique; BRN 1098242; Caswell No. 709A; CCRIS 3202; EINECS 200-746-9; EPA Pesticide Chemical Code 047502; Ethyl carbinol; FEMA Number 2928; HSDB 115; NSC 30300; Optal; Osmosol Extra; Propanol; Propanol-1; n-Propan-1-ol; n-Propanol; n-Propyl alcohol; Propanole; Propanolen; Propanoli; Propyl alcohol; Propylic alcohol; Propylowy alkohol; UN1274. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide (cancelled). Used as a chemical intermediate and as a solvent, especially for cellulose esters, waxes, vegetable oils, natural and synthetic resins. Liquid with alcoholic odor; mp = -127°; bp = 97.2°; d_4^{20} = 0.8053; d_4^{25} = 0.8016; soluble in H_2O, EtOH, Et_2O. LD_{50} (rat orl) = 1870 mg/kg. *Arco; Eastman Chem. Co.; Fluka; Hoechst Celanese; Mallinckrodt Inc.; Ruger; Spectrum Chem. Manufacturing; Union Carbide Corp.*

3170 2-Propanol, 1,3-dichloro-, phosphate

13674-87-8 4341 G H



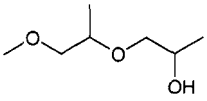
$C_9H_{15}Cl_6O_4P$

Phosphoric acid, tris(1,3-dichloro-2-propyl) ester.

3-01-00-01473 (Beilstein Handbook Reference); BRN 1715458; CCRIS 6284; CRP; CRP (fireproofing agent); EINECS 237-159-2; Emulsion 212; Fosforan troj-(1,3-dwuchloroizopropylowy); Fyrol® FR 2; HSDB 4364; PF 38; PF 38/3; Phosphoric acid, tris(1,3-dichloro-2-propyl) ester; TCP; TDCPP; Tri(β,β'-dichloroisopropyl)phosphate; Tris-(1,3-dichloro-2-propyl)-phosphate; Tris(2-chloro-1-(chloromethyl)ethyl) phosphate. Flame retardant for flexible urethane foams Liquid; bp_5 = 236-237°; n_D^{20} = 1.5022; soluble in H_2O (100 mg/l); LD_{50} (rat orl) = 1.85 g/kg. *Akzo Chemie.*

3171 2-Propanol, 1-(2-methoxy-1-methyl-ethoxy)-

20324-32-7 H



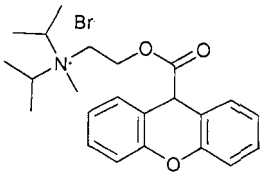
$C_7H_{16}O_3$

1-(2-Methoxy-1-methylethoxy)propan-2-ol.

EINECS 243-733-3; 1-(2-Methoxy-1-methylethoxy)-2-propanol; 1-(2-Methoxy-1-methylethoxy)propan-2-ol; 2-Propanol, 1-(2-methoxy-1-methylethoxy)-.

3172 Propantheline bromide

50-34-0 7897 G



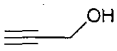
$C_{23}H_{30}BrNO_3$

N-methyl-N-(1-methylethyl)-N-[2-[(9H-xanthen-9-ylcarbonyl)oxy]ethyl]-2-propanaminium bromide.

Ammonium, diisopropyl(2-hydroxyethyl)methyl-, brom-ide, xanthene-9-carboxylate; Bromure de propantheline; Bromuro de proantelina; CCRIS 6271; Diisopropyl(2-hydroxyethyl)methylammonium bromide xanthene-9-carboxylate; EINECS 200-030-6; Ercorax; Ercotina; (2-Hydroxyethyl)diisopropylmethylammonium bromide xanthene-9-carboxylate; Ketaman; Kivatin; NCI-C56257; Neometantyl; Neopepulsan; Pantas; Pantheline; Pervagal; Pro-Banthine; Pro-Gastron; Probantine; Prodixamon; 2-Propanaminium, N-methyl-N-(1-methylethyl)-N-(2-((9H-xanthen-9-ylcarbonyl)oxy)ethyl)-, Br; Propantel; Prop-antelina bromuro; Propantheline bromide; Propanthelini bromidum; SC-3171; Xanthene-9-carboxylic acid, ester with (2-hydroxyethyl)diisopropylmethylammonium brom-ide. Anticholinergic agent. mp = 159-161°; very soluble in H_2O, EtOH, $CHCl_3$, insoluble in Et_2O, C_6H_6. *Ellis & Everard.*

3173 Propargyl alcohol

107-19-7 7901 H



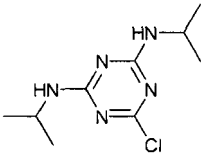
C_3H_4O

1-Propyn-3-ol.

4-01-00-02214 (Beilstein Handbook Reference); Acetylene carbinol; Agrisynth PA; AI3-24359; BRN 0506003; CCRIS 6781; EINECS 203-471-2; Ethynyl carbinol; HSDB 6054; 1-Hydroxy-2-propyne; 3-Hydroxy-1-propyne; Methanol, ethynyl-; NA1986; NSC 8804; Propargyl alcohol; Propiolic alcohol; Propynyl alcohol; 1-Propyn-3-ol; 2-Propyn-1-ol; 3-Propynol; RCRA waste number P102. Liquid; mp = -51.8°, bp = 113.6°; d^{20} = 0.9478; freely soluble in EtOH, Et_2O, soluble in H_2O, $CHCl_3$.

3174 Propazine

139-40-2 7904 G H P



$C_9H_{16}ClN_5$

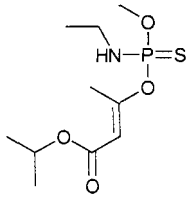
6-Chloro-N,N'-bis(1-methylethyl)-1,3,5-triazine-2,4-di-amine.

AI3-60348; BRN 0747081; Caswell No. 184; CCRIS 1026; EINECS 205-359-9; EPA Pesticide Chemical Code 080808; G-30028; Geigy 30,028; Gesamil; HSDB 1400; Maxx 90; Milo-pro; Milocep; Milogard; NSC 26002; Plantulin; Primatol P; Propasin; Propazin; Propazine; Prozinex. Pre-emergent selective systemic herbicide used for control of annual grasses and broad-leaved weeds in sorghum and crops such as carrots, chervil and parsley. Registered by EPA as a herbicide. Used in greenhouses. Colorless crystals; mp = 213°; soluble in H_2O (0.0005 g/100 ml), soluble in C_6H_6 (0.55 g/100 ml), C_7H_8 (0.53 g/100 ml), Et_2O (0.35 g/100 ml), CCl_4 (0.40 g/100 ml); LD_{50} (rat orl) >7000 mg/kg, (rat der) > 3100 mg/kg, (rbt der) > 10200

mg/kg; LC_{50} (rbt ihl 4 hr.) = 2.04 mg/l air, (bobwhite quail, mallard duck 8 day dietary) > 10000 mg/kg, (rainbow trout 96 hr.) = 17.5 mg/l, (bluegill sunfish 96 hr.) > 100 mg/l, (goldfish 96 hr.) > 32 mg/l; non-toxic to bees. *Agan Chemical Manufacturers; Griffin LLC; Syngenta Crop Protection.*

3175 Propetamphos

31218-83-4 7907 GP



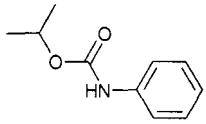
$C_{10}H_{20}NO_4PS$

1-Methylethyl 3-(((ethylamino)methoxyphosphinothioyl)-oxy)-2-butenoate.

1-methylethyl 3-(((ethylamino)methoxyphosphinothioyl)-oxy)-2-butenoate, (E)-; Butenoic acid, 3-(((ethylamino)-methoxyphosphinothioyl)oxy)-, 1-methylethyl ester; Methylethyl (E)-3-(((ethylamino)methoxyphosphino-thioyl)oxy)-2-butenoate; Phosphoramidothioic acid, N-ethyl-, (E)-O-(2-isopropoxycarbonyl-1-methylvinyl) O-methyl ester; Safrotin; Seraphos; TSAR; Zoecon. Used as an ectoparasiticide. Registered by EPA as an insecticide. Yellow liquid; $bp_{0.005}$ = 87 - 89°; d_4^{20} = 1.1294; soluble in H_2O (0.011 g/100 ml at 24°), soluble in most organic solvents; LD_{50} (mrat orl) = 82 mg/kg, 119 mg/kg, (mrat der) = 2300 mg/kg, (mallard duck orl) = 197 mg/kg; LC_{50} (carp 96 hr.) = 8.8 mg/l. *Novartis; Wellmark International.*

3176 Propham

122-42-9 7908 GHP



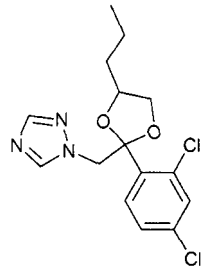
$C_{10}H_{13}NO_2$

Phenylcarbamic acid 1-methylethyl ester.

4-12-00-00620 (Beilstein Handbook Reference); Agermin; AI3-14879; Ban-Hoe; Beet-Kleen; Birgin; BRN 2209666; Carbamic acid, phenyl-, 1-methylethyl ester; Carbanilic acid, isopropyl ester; Caswell No. 510; Chem-Hoe; Collavin; EINECS 204-542-0; EPA Pesticide Chemical Code 047601; HSDB 602; IFC; IFK; INPC; IPPC; iso.ppc.; Isopropil-N-fenil-carbammato; Isopropyl carbanilate; Isopropyl carbanilic acid ester; Isopropyl-N-fenyl-carbamaat; Isopropyl-N-phenyl-carbamat; Isopropyl-N-phenylcarbamate; O-Isopropyl N-phenyl carbamate; Isopropyl-N-phenylurethan; Isopropyl phenyl urethane; Isopropyl phenylcarbamate; Isopropylester kyseliny karbanilove; 1-Methylethyl phenylcarbamate; NSC 2105; Ortho grass killer; N-Phenylcarbamate d'isopropyle; Phenylcarbamic acid, 1-methylethyl ester; N-Phenylcarbamic acid, isopropyl ester; N-Phenyl isopropyl carbamate; Premalox; Profam; Propham; Prophame; Prophos; RCRA waste no. U373; Tixit; Triherbide; Triherbide-ipc; Tuberit; Tuberite; USAF D-9; Y 2. Selective sytemic herbicide and growth regulator. Used to control annual grasses and some broad-leaf weeds. Plant growth regulator for control of sprouting in stored potatoes and in some cases as herbicide against weeds in vegetables. Registered by EPA as a herbicide (cancelled). Colorless crystals; mp = 90°; sg^{20} = 1.09; poorly soluble in H_2O (0.025 g/100 ml at 20°), soluble in organic solvents; LD_{50} (rat orl) = 5000 mg/kg, (mrat orl) = 3724 mg/kg, (frat orl) = 4315 mg/kg), (mus orl) = 3000 mg/kg, (rat ip) = 600 mg/kg, (mus ip) = 1000 mg/kg, (mallard duck orl) > 2000 mg/kg; LC_{50} (bluegill sunfish 48 hr.) = 32 mg/l, (guppy 48 hr.) = 35 mg/l; non-toxic to bees. *Bayer AG; Syngenta Crop Protection.*

3177 Propiconazole

60207-90-1 7910 GP



$C_{15}H_{17}Cl_2N_3O_2$

1-(2-(2',4'-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl)-1H-1,2,4-triazole.

5-26-01-00205 (Beilstein Handbook Reference); Banner; BRN 0841361; Caswell No. 323EE; CGA-64250; CGD 92710F; Desmel; EINECS 262-104-4; EPA Pesticide Chemical Code 122101; HSDB 6731; Orbit; Proconazole; Propiconazole; Radar; Tilt; Wocosin. A systemic triazole fungicide for control of powdery mildew and rust in wheat and barley. Registered by EPA as a fungicide. Yellow liquid; $bp_{0.01}$ = 180°; sg^{20} = 1.27; soluble in H_2O (0.011 g/100 ml at 20°), C_6H_{14} (3.96 g/100 ml), soluble in most organic solvents; LD_{50} (rat orl) = 1517 mg/kg, (rat der) > 4000 mg/kg; LC_{50} (carp 96 hr.) > 100 mg/l, (brown trout 96 hr.) = 20 mg/l; non-toxic to birds, non-toxic to bees. *Ciba Geigy Agrochemicals; Contechem Inc.; Diacon Technologies Ltd.; Dow AgroSciences; Farm Protection Ltd.; ICI Chem. & Polymers Ltd.; Janssen Pharmaceutical, Belgium; Kop-Coat Inc.; Syngenta Crop Protection.*

3178 Propiolactone

57-57-8 7912 G

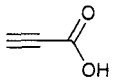
$C_3H_4O_2$

3-Hydroxypropionic acid β-lactone.

5-17-09-00003 (Beilstein Handbook Reference); AI3-24257; Betaprone; BPL; BRN 0001360; Caswell No. 709; CCRIS 536; EINECS 200-340-1; EPA Pesticide Chemical Code 010901; HSDB 811; Hydracrylic acid β-lactone; 3-Hydroxypropionic acid β-lactone; 3-Hydroxypropionic acid lactone; NSC-21626; Oxetanone; Oxetan-2-one; 2-Oxetanone; Propanilide; Propanoic acid, 3-hydroxy-, β-lactone; Propanolide; 3-Propanolide; β-Propanoic acid lactone; β-Propiolactone; β-Propiolakton; β-Propiono-lactone; β-Proprolactone; 1,3-Propiolactone; 3-Propio-lactone; Propiolactona; Propiolactone; Propiolactone, β-; Propiolactonum; Propiolattone; Propionic acid, 3-hydroxy-, β-lactone; Propionolactone. Chemical inter-mediate; used as a disinfectant. Liquid; mp = -34.4°; bp = 162° (dec); d_4^{20} = 1.1460; soluble in H_2O (35 g/100 ml); LC_{50} (rat ihl) = 25 ppm/6H. *O'Neal Jones & Feldman Pharm.*

3179 Propiolic acid

471-25-0 7913 G



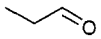
$C_3H_2O_2$

Propargylic acid.

Acetylenecarboxylic acid; Carboxyacetylene; EINECS 207-437-8; NSC 16152; Propargylic acid; Propiolic acid; Propynoic acid; 2-Propynoic acid. Used in chemical synthesis. mp ■ 9°; bp = 144° (dec), bp_{50} = 70-75; d_4^{20} = 1.1380; very soluble in H_2O, EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 100 mg/kg.

3180 Propionaldehyde

123-38-6 7915 G H



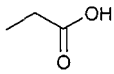
C_3H_6O

Methylacetaldehyde.

AI3-16114; Aldehyde propionique; CCRIS 2917; EINECS 204-623-0; FEMA Number 2923; HSDB 1193; Methylacetaldehyde; NCI-C61029; NSC 6493; Propaldehyde; Propanal; n-Propanal; Propionai; Propionaldehyde; Propionic aldehyde; Propyl aldehyde; Propylic aldehyde; UN1275. Used in the manufacture of propionic acid, polyvinyl and other plastics, synthesis of rubber chemicals, and preservatives. Liquid; mp = -80°; bp ■ 48°; d^{25} = 0.8657; λ_m = 282 nm (ε = 8, H_2O); soluble in H_2O, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1410 mg/kg.

3181 Propionic acid

79-09-4 7917 G H



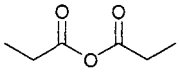
$C_3H_6O_2$

Propanoic Acid.

4-02-00-00695 (Beilstein Handbook Reference); Acide propionique; AI3-04167; BRN 0506071; C_3 acid; Carboxyethane; Caswell No. 707; CCRIS 6096; EINECS 201-176-3; EPA Pesticide Chemical Code 077702; Ethanecarboxylic acid; Ethylformic acid; FEMA Number 2924; HSDB 1192; Kyselina propionova; Luprosil; Metacetonic acid; Methyl acetic acid; Monoprop; Propanoic acid; Propionic acid; Propionic acid grain preserver; Prozoin; Pseudoacetic acid; Sentry grain preserver; Tenox P grain preservative; UN1848. Registered by EPA as a herbicide. Esterifying agent; in production of cellulose propionates, etc.; as mold inhibitors and preservatives; in manufacture of ester solvents, fruit flavors, perfume bases; antifungal. Liquid; mp = -21.5°; bp = 141.1°, bp_{400} = 122°; bp_{100} = 85.8°, bp_1 = 4.6°; viscosity = 1.175 cp at 15°, 1.020 cp at 25°, 0.956 cp at 30°, 0.668 at 60°, 0.495 cp at 90°; soluble in H_2O, EtOH, Et_2O, $CHCl_3$. LD_{50} (rat orl) = 4290 mg/kg, TLV:TWA = 10 ppm. *Alltech Inc.; Eastman Chem. Co.; Kemin Industries Inc.; West Agro Inc.*

3182 Propionic anhydride

123-62-6 7918 H



$C_6H_{10}O_3$

Propionic acid anhydride.

4-02-00-00722 (Beilstein Handbook Reference); AI3-26975; Anhydrid kyseliny propionove; BRN 0507066; Caswell No. 708; EINECS 204-638-2; EPA Pesticide Chemical Code 077704; HSDB 1215; Methylacetic anhydride; Propanoic acid, anhydride; Propanoic anhydride; Propionic acid anhydride; Propionic anhydride; Propionyl oxide; UN2496. Liquid; mp = -45°; bp = 170°, bp_{18} = 67.5; d^{20} = 1.0110; slightly soluble in CCl_4, freely soluble in Et_2O.

3183 Propionitrile

107-12-0 7919 H

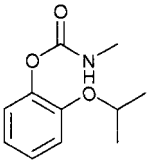
C_3H_5N

Cyanoethane.

4-02-00-00728 (Beilstein Handbook Reference); AI3-08777; BRN 0773680; CCRIS 4706; Cyanoethane; EINECS 203-464-4; Ether cyanatus; Ethyl cyanide; Ethylkyanid; HSDB 117; Hydrocyanic ether; NSC 7966; Propanenitrile; Propannitril; Propionic nitrile; Propionitrile; Propiononitrile; Propylnitrile; RCRA waste number P101; UN2404. Liquid; mp ■ -92.8°; bp = 97.1°; d^{20} = 0.7818; very soluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4.

3184 Propoxur

114-26-1 7929 G H P



$C_{11}H_{15}NO_3$

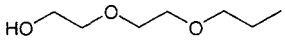
o-Isopropoxyphenyl Methylcarbamate.

58 12 315; AI3-25671; Aprocarb; BAY 5122; BAY 9010; BAY 39007; Bayer 39007; Bayer B 5122; Baygon; Bifex; Blattanex; Blattosep; Bolfo; Boruho; Boruho 50; BRN 1879891; Brygou; Carbamic acid, methyl-, o-isopropoxyphenyl ester; Caswell No. 508; CCRIS 1392; Chemagro 9010; Dalf dust; DMS 33; EINECS 204-043-8; ENT 25,671; EPA Pesticide Chemical Code 047802; HSDB 603; o-IMPC; Invisi-Gard; IPMC; Isocarb; Isopropoxyphenyl methylcarbamate; 2-Isopropoxyphenyl N-methylcarbamate; Methyl-2-isopropoxyphenylcarb-amate; Methylcarbamic acid, o-isopropoxyphenol ester; Mrowkozol; NSC 379584; OMS-33; PHC; PHC (carbamate); PHC 7; Phenol, 2-(1-methylethoxy)-, methylcarbamate; Pillargon; Propoksuru; Propotox; Propoxur; Propoxure; Propoxylor; Propyon; Rhoden; Sendran; Suncide; Tendex; Tugon fliegenkugel; Unden; Unden (pesticide); Unden 50PM. Non-systemic insecticide with contact and stomach action; used for treatment of sucking and biting insects, e.g., aphids, mealybugs, scales, leafhoppers, caterpillars on vegetables, pome and stone fruit, cocoa, rice, oil palms and other crops. Used for protection of flowers and fruits. Used for control of cockroaches, flies, fleas, mosquitoes, bugs, ants, millepedes and other insect pests in houses and food storage areas. Registered by EPA as an insecticide. Crystals; mp = 84 - 87°, 91.5°; sg^{20} ■ 1.12; soluble in H_2O (0.2 g/100 ml at 20°), MeOH, Me_2CO, CH_2Cl_2 (> 20 g/100 ml), C_7H_8 (10 g/100 ml), $CHCl_3$ (10 g/100 ml); LD_{50} (mrat orl) = 95 mg/kg, (frat orl) = 104 mg/kg, (mmus orl) = 100 - 109 mg/kg, (mrat der) = 800 - 1000 mg/kg, (mrbt der) > 500 mg/kg, (bobwhite quail orl) = 25.9 mg/kg; LC_{50} (rat ihl 1 hr.) = 1.44 mg/l air, (bobwhite quail 5 day dietary) = 2828 mg/kg diet, (mallard duck 5 day dietary) > 5000 mg/kg diet, (bluegill sunfish 96 hr.) = 6.6 mg/l, (rainbow trout 96 hr.) = 3.7 mg/l; highly toxic to bees. *Amrep Inc.; Bayer Corp.; Buhl Products Co; MBL Industries; Sergeant's Pet Products; Theochem Laboratories Inc.; Value Gardens Supply LLC; Whitmire Micro-Gen*

Research Laboratories Inc.

3185 2-(2-Propoxyethoxy)ethanol

6881-94-3 G H



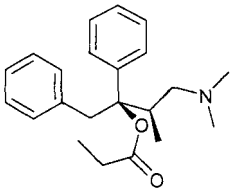
$C_7H_{16}O_3$

2-(2-Propoxyethoxy)ethanol.

EINECS 229-985-7; Ethanol, 2-(2-propoxyethoxy)-. Evaporating, water-miscible solvent used in solution and water-dilutable coatings; active for many coating materials including NC, acrylic copolymers, epoxy resins, chlorinated rubber, and alkyd resins; strong coupling agent with some resin systems in water-dilutable coatings. Liquid; bp = 202°; soluble in H_2O, organic solvents; d = 0.963; causes eye irritation. *Ashland; Eastman Chem. Co.; Great Western.*

3186 Propoxyphene

469-62-5 7931 D



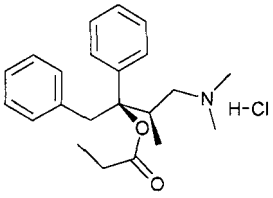
$C_{22}H_{29}NO_2$

(2S,3R)-(+)-4-(Dimethylamino)-3-methyl-1,2-diphenyl-2-butanol propionate (ester).

Algafan; Antalvic; Darvocet; Depromic; Destroprop-ossifene; Dextropropoxifeno; Dextropropoxyphen; Dextropropoxyphene; Dextropropoxyphenum; Dextro-proxifeno; Dimeprotane (α-dl-form); EINECS 207-420-5; Femadol; HSDB 3175; Levopropoxyphene (α-l-form); Phenylbenzeneethanol propanoate; Propoxyphene; d-Propoxyphene; Proxagesic; SK 65. Analgesic, narcotic. Bulk dextropropoxyphene (non-dosage form) is a federally controlled substantce (opiate); dextropropoxy-phene is a controlled substance (narcotic). See levo-propoxyphene (α-l-form). Crystals; mp = 75-76°; $[\alpha]_D^{25}$= +67.3° (c = 0.06 in $CHCl_3$); [β-dl-form]: mp = 187-188°; more soluble than α-form. *Eli Lilly & Co.*

3187 Propoxyphene hydrochloride

1639-60-7 7931 D



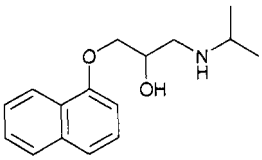
$C_{22}H_{30}ClNO_2$

(2S,3R)-(+)-4-(Dimethylamino)-3-methyl-1,2-diphenyl-2-butanol propionate (ester) hydrochloride.

Abalgin; Anatalvic; Antalvic; Darvon; Darvon with ASA; Deprancol; Depronal retard; Develin; Dextropropofixen Dak; Dolene; Dolocap; Dolotard; Erantin; Femadol; Harmar; Kesso-Gesic; Liberen; Mardon; Margesic Improved; Novopropoxyn; Paljin; Prophene; Propoxy-chel; Propoxyphene Compound 65; Propoxyphene hydrochloride; Proxagesic; Romidon; SK-65; SK-65 Apap; SK-65 Compound; Wygesic; Zideron.; component of: Darvon with ASA, SK-65 Apap, SK-65 Compound, Wygesic. Analgesic, narcotic. Federally controlled substance (opiate). Crystals; mp = 163-165°; $[\alpha]_D^{25}$= + 59.8° (c = 0.06 in H_2O); soluble in H_2O, alcohol, $CHCl_3$, Me_2CO; practically insoluble in C_6H_6, Et_2O; LD_{50} (mus iv) = 28 mg/kg, (mus ip) 111 mg/kg, (mus sc) = 211 mg/kg, (mus orl) = 282 mg/kg. *Eli Lilly & Co.*

3188 Propranolol

525-66-6 7932 D



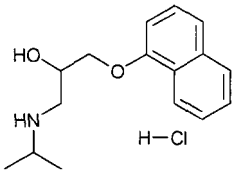
$C_{16}H_{21}NO_2$

1-(Isopropylamino)-3-(1-naphthyloxy)-2-propanol.

Avlocardyl; Betalong; CCRIS 3082; Corpendol; EINECS 208-378-0; Euprovasin; HSDB 3176; Inderal; Propanix; Propanolol; Propranolol; β-Propranolol; Propranololo; Propranololum; Proprasylyt; Reducor; Sawatal; Sumial. A β-adrenergic blocker. Antianginal; antihypertensive; antiarrhythmic (class II) agent. Crystals; mp = 96°. *ICI; Parke-Davis; Quimicobiol; Wyeth-Ayerst Labs.*

3189 Propranolol hydrochloride

318-98-9 7932 D



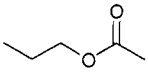
$C_{16}H_{22}ClNO_2$

1-(Isopropylamino)-3-(1-naphthyloxy)-2-propanol hydrochloride.

Acifol; Anaprilin; Anapriline; Angilol; Apsolol; Arcablock; Artensol; Avlocardyl; AY-64043; Bedranol; Beprane; Beprane; Berkolol; Biocard; Blocaryl; Cardinol; Caridolol; CCRIS 1105; Cinlol; Ciplar; Corbeta; Deralin; Detensol; Dibudinate; Dociton; Dumopranol; Duranol; Duraprox; Efectolol; EINECS 206-268-7; Elbol; Elbrol; Emforal; Farprolol; Frekven; Frekven; Half-Inderal; Hemipralon; Herzbase; Herzul; I 2065; ICI-45520; Ikopal; Inderal; Inderalici; InderalLA; Inderex; Inderide; Indermigran; Indobloc; InnoPran XL; Intermigran; Kemi S; KEMI; Kidoral; Naprilin; Nedis; β-Neg; Neideral; Noloten; Novopranol; NSC-91523; Obsidan; Oposim; Panolol; Prandol; Pranix; Prano-Puren; Proberta LA; Procor; Pronovan; Propabloc; Propadex; Propalong; Propayerst; Prophylux; Propra vt ct; Proprahexal; Propral; Propranolol chloride; Propranolol hydrochloride; Propranovitan; Propranur; Prosin; Pur-Bloka; Pylapron; Rapynogen; Sagittol; Sawatol; Scandrug; Servanolol; Sinal; Sloprolol; Sudenol; Sumial; β-Tablinen; Tensiflex; Tesnol; β-Timelets; Tiperal; Tonum. A β-adrenergic blocker. Antianginal; antihypertensive; antiarrhythmic (class II) agent. Crystals; mp = 163-164°; soluble in H_2O, alcohol; insoluble in Et_2O, C_6H_6, EtOAc; LD_{50} (mus orl) = 565 mg/kg, (mus iv) = 22 mg/kg, (mus ip) = 107 mg/kg. *ICI; Parke-Davis; Quimicobiol; Wyeth Labs.*

3190 Propyl acetate

109-60-4 7933 G H



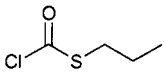
$C_5H_{10}O_2$

n-Propyl acetate.

4-02-00-00138 (Beilstein Handbook Reference); Acetate de propyle normal; Acetic acid n-propyl ester; Acetic acid, propyl ester; 1-Acetoxypropane; AI3-24156; BRN 1740764; EINECS 203-686-1; FEMA No. 2925; HSDB 161; NSC 72025; Octan propylu; Propyl acetate; 1-Propyl acetate; n-Propyl acetate; Propyl ethanoate; n-Propyl ethanoate; Propylester kyseliny octove; UN1276. Flavoring agent, perfumery, solvent for nitrocellulose and other cellulose derivatives, natural and synthetic resins, lacquers, plastics, organic synthesis, laboratory reagent. Liquid; mp = -93°; bp = 101.5°; d^{20} = 0.8878; λ_m = 203, 209 nm (ε = 51, 55, MeOH); slightly soluble in CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 9370 mg/kg. *BASF Corp.; BP Chem.; Eastman Chem. Co.; Hoechst Celanese; Union Carbide Corp.*

3191 Propyl chlorothioformate

13889-92-4 H



C_4H_7ClOS

Carbonochloridothioic acid, S-propyl ester.

4-03-00-00279 (Beilstein Handbook Reference); AI3-52665; BRN 1633747; Carbonochloridothioic acid, S-propyl ester; CCRIS 6097; EINECS 237-656-4; Formic acid, chlorothio-, S-propyl ester; HSDB 6155; NSC 72086; Propyl chlorothioformate; n-Propyl chlorothioformate; S-Propyl chlorothioformate; n-Propyl thiochloroformate; S-Propyl thiochloroformate.

3192 Propylene

115-07-1 7941 G H

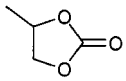
C_3H_6

1-Propene.

CCRIS 1356; EINECS 204-062-1; HSDB 175; Methylethene; Methylethylene; NCI-C50077; Propene; 1-Propene; Propylene; 1-Propylene; R 1270; UN1077. Chemical intermediate for manufacture of isopropyl alcohol, polypropylene, synthetic glycerol, acrylonitrile, propylene oxide, heptene, cumene, polymer gasoline, acrylic acid, vinyl resins, oxo chemicals. Gas; mp = -185.2°; bp = -47.6°; d^{25} = 0.505; very soluble in H_2O (23 g/100 ml), EtOH, AcOH. *Air Prods & Chems; Amoco Lubricants; BP Chem.; Chevron; Exxon; Fina Chemicals; Mobil; OxyChem; Phillips 66; Shell; Texaco.*

3193 Propylene carbonate

108-32-7 G H



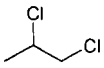
$C_4H_6O_3$

4-Methyl-1,3-dioxolan-2-one.

5-19-04-00021 (Beilstein Handbook Reference); AI3-19724; Arconate® 5000; Arconate® Propylene Carbonate; BRN 0107913; Carbonic acid, cyclic propylene ether; Carbonic acid, propylene ester; Cyclic 1,2-propylene carbonate; Cyclic methylethylene carbonate; Cyclic propylene carbonate; Dipropylene carbonate; EINECS 203-572-1; HSDB 6806; 1-Methylethylene carbonate; 4-Methyl-1,3-dioxolan-2-one; NSC 11784; 1,2-Propanediol cyclic carbonate; Propylene carbonate; 1,2-Propylene carbonate; Propylene glycol cyclic carbonate; Propylenester kyseliny uhlicite; Solvenon® PC; Texacar® PC. Solvent with high boiling point, low toxicity, broad range of applications; reactive diluent for woodbinders, urethane foams and coatings, foundry sand binders, in textile and synthetic fiber industry, natural gas treating. Solvent for pigments and dyes, in screen printing dyes; extracting agent; washing liquid for natural and synthetic gases; intermediate for organic syntheses. Solvent for organic and inorganic materials; Rule 66 exempt; also used as reactant and plasticizer in fibers and textiles, hydraulic fluids, plastics and resins, gas treating, aromatic hydrocarbon extraction, metal extraction, Used as a chemical intermediate and in the production of resins and coatings. Liquid; mp = -48.8°; bp = 242°; d^{20} = 1.2047; very soluble in H_2O, EtOH, Et_2O, Me_2CO, C_6H_6; LD_{55} (rat orl) = 29 g/kg. *Arco; BASF Corp.; Texaco.*

3194 Propylene dichloride

78-87-5 7946 G H



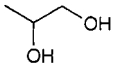
$C_3H_6Cl_2$

1,2-Dichloropropane.

3-01-00-00225 (Beilstein Handbook Reference); AI3-15406; Bichlorure de propylene; BRN 1718880; Caswell No. 324; CCRIS 951; Dichloro-1,2 propane; 1,2-dichloropropane; Dwuchloropropan; EINECS 201-152-2; ENT 15,406; EPA Pesticide Chemical Code 029002; HSDB 1102; NCI-C55141; NSC 1237; Propane, 1,2-dichloro-; Propylene dichloride; RCRA waste number U083; UN1279. Intermediate for perchloroethylene, CCl_4; lead scavenger for antiknock fluids; solvents for fats, oils, waxes, gums, resins, cellulose esters and ethers; scouring compounds; metal degreasers; soil fumigant for nematodes. Clear mobile liquid; bp = 95 - 96°; d_{25}^{25} = 1.159; LD_{50} (rat orl) = 1379 mg/kg. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

3195 Propylene glycol

57-55-6 7947 P H



$C_3H_8O_2$

1,2-Propanediol.

3-01-00-02142 (Beilstein Handbook Reference); Acid Proof; Adeka Propylene Glycol (P); AI3-01898; Aloe-Moist™; Aloe-Moist™ A; Annatto Liquid 3968; Annatto OS 2894; Annatto OS 2922; Annatto OS 2923; Arlacel® 186; AZP-908PG; AZZ-908PG; Biophytex®; BRN 1340498; Carmine AS; Caswell No. 713; CCRIS 5929; Cremophor® RH 455; Crodarom Nut A; Dehymuls® F; Dowfrost; EINECS 200-338-0; EPA Pesticide Chemical Code 068603; FEMA No. 2940; Germaben® II; Grillocin® AT Basis; HSDB 174; Isopropylene glycol; Lanotein AWS 30; Lipo PE Base GP-55; Lubrajel® CG; Lubrajel® DV; Lubrajel® MS; Lubrajel® TW; Methylethyl glycol; Methylethylene glycol; Monawet MO-70R; Monopropylene glycol; NAT-50-PGReach®; Natipide® II PG; NSC 69860; Oxynex® 2004; PG 12; Phosal®; Phosal® 50 PG; Phosal® 60 PG; Propane-1,2-diol; Propylene glycol; Reach®; Rezal® 36GPG; SDM No. 27; Sentry Propylene Glycol; Sirlene®; Solar Winter Ban®; Solargard P; Tagat® R63; Tepescohuite AMI Watersoluble; Tepescohuite HG; Tepescohuite HS; Trimethyl glycol; Ucar 35; Unibix AP (Acid Proof); Westchlor® A2Z 8106. Registered by EPA as an antimicrobial, fungicide and insecticide. Used as a coolant in the manufacture of beer, wine, milk and other liquids; also used to freeze poultry and fish. Also as a solvent, emulsifier, in production of paints, resins, foods, drugs, as an antifreeze in breweries and dairies; as a substitute for ethylene glycol and glycerol; as a mold growth and fermentation inhibitor. FDA GRAS, USDA, EPA, BATF reg., approved for some drugs, *Japan approved with limitations*, Europe listed, FEMA GRAS, FDA approved for orals, parenterals, topicals,

USP/NF, BP, Ph. Eur., Japan compliance. Used as a solvent, vehicle, humectant, preservative, plasticizer, stabilizer in vitamin preparations, protectant in hemorrhoidal products, used in orals, otics, parenterals, vaginals and topical products. Clear viscous liquid; mp = -59°; bp = 188.2°; d = 1.0362; [(R)-form]: $[\alpha]_D^{20}$= -15.0° (neat); [(S)-form]: $[\alpha]_D^{20}$= +15.8° (neat); insoluble in oils, soluble in H_2O, Me_2CO, $CHCl_3$, EtOH, glycerol, Et_2O 16.7 g/100 ml); dynamic viscosity = 58.1 mPa at 20°. LD_{50} (rat orl) = 25900 mg/kg, (rat sc) = 21700- 29000 mg/kg, (rat iv) = 6200 - 12700 mg/kg, (rat ip) = 13000 - 16800 mg/kg, (rat im) = 13000 - 20700 mg/kg, (rbt orl) = 15700 - 19200 mg/kg, (rbt iv) = 5000 - 6500 mg/kg, (rbt im) = 6000 mg/kg, (mus sc) = 15500 - 19200 mg/kg, (mus orl) = 23900 mg/kg, (mus iv) = 7600 - 8300 mg/kg, (mus ip) = 6800- 13600 mg/kg, (gpg sc) = 13000 - 15500 mg/kg, (gpg orl) = 18400 - 19600, (dog orl) = 10000 - 20000 mg/kg, (dog iv) = 25900 mg/kg. *Amrep Inc.; Arco; Asahi Denka Kogyo; Ashland; BP Chem.; Chemical Packaging Corp.; Crompton & Knowles; Eastman Chem. Co.; Ellis & Everard; Greef K & K; Hays; Honeywell & Stein; Hüls Am.; Ibrahim N. I.; Integra; Mallinckrodt Inc.; McIntyre; Meer; Nisso Petrochem. Ind.; Norman-Fox; Olin Res. Ctr.; Penta Mfg.; PET Chemicals; Primachem; Pronova; Ruger; Showa Denko; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Speer Products Inc.; Texaco; Todd's; Treatt R. C.; Van Waters & Rogers; Veckridge; Westco.*

3196 Propylene glycol Alginate

9005-37-2 E G

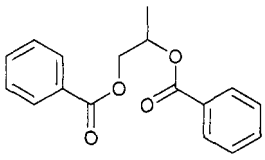
$(C_9H_{14}O_7)_8$

Propane-1,2-diol alginate.

Alginic acid, ester with 1,2-propanediol; Alginic acid propylene glycol ester; CCRIS 3654; FEMA Number 2941; HSDB 1907; Hydroxypropyl alginate; Kelcoloid; Kelcoloid HVF; Manucol ester E/REP; 1,2-Propanediol alginate; Propylene alginate; Propylene glycol alginate; 1,2-Propylene glycol alginate; hydroxypropyl alginate; KELCOLOID®; KELCOLOID® D; KELCOLOID® DH; KELCOLOID® DSF; KELCOLOID® HVF; KELCOLOID® LVF; KELCOLOID® S; Kimiloid HV; Kimiloid NLS-K; Manucol ester®; Pronova®; propane 1,2-diol alginate; Protanal®; component of: Ches® 500. Mixture of propylene glycol esters of alginic acid. food additive (human). FDA, FEMA GRAS, UK, Japan approved (1% maximum), Europe listed, FDA approved for orals, USP/NF compliance. Used as a flavoring adjuvant, suspending agent, thickener, gellant, film former, emulsifier, formulation aid, stabilizer, solvent and defoamer. Used in orals. While granular or fibrous powder; soluble in H_2O, dilute organic acids; dynamic viscosity of 1% aqueous solution = 20 - 400 mPa. Non-toxic; LD_{50} (rat orl) = 7200 mg/kg, (rbt orl) = 7600 mg/kg, (mus orl) = 7800 mg/kg, (hmtr orl) = 7000 mg/kg. *Frutarom; Kelco Intl.; Meer; Pronova; Spectrum Chem. Manufacturing.*

3197 Propylene glycol dibenzoate

19224-26-1 H



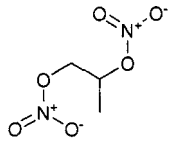
$C_{17}H_{16}O_4$

Propane-1,2-diyl dibenzoate.

EINECS 242-894-7; FEMA No. 3419; Propane-1,2-diyl dibenzoate; 1,2-Propanediol, dibenzoate; Propylene glycol dibenzoate; Propyleneglycol dibenzoate.

3198 Propylene glycol dinitrate

6423-43-4 H



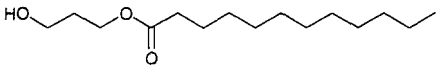
$C_3H_6N_2O_6$

1,2-Propylene glycol dinitrate.

4-01-00-02497 (Beilstein Handbook Reference); BRN 1709968; EINECS 229-180-0; Isopropylene nitrate; NSC 62614; PGDN; 1,2-Propanediol, dinitrate; Propane-1,2-diyl dinitrate; Propylene dinitrate; Propylene glycol 1,2-dinitrate; Propylene glycol dinitrate; Propylene nitrate.

3199 Propylene glycol monolaurate

10108-22-2 G



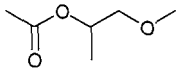
$C_{15}H_{30}O_3$

Dodecanoic acid, 3-hydroxypropyl ester.

Atlas G 917; Atlas G 3851; EINECS 233-292-5; 3-Hydroxypropyl laurate; Lauric acid, 3-hydroxypropyl ester; NSC 406283; Propylene glycol monolaurate. Surfactant.

3200 Propylene glycol monomethyl ether acetate

108-65-6 G H



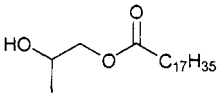
$C_6H_{12}O_3$

Acetic acid, 2-methoxy-1-methylethyl ester.

4-02-00-00220 (Beilstein Handbook Reference); Acetic acid, 2-methoxy-1-methylethyl ester; AI3-18548; Arcosolv® PMA; BRN 1751656; Dowanol® PMA glycol ether acetate; EINECS 203-603-9; NSC 2207; PGMEA; Propylene glycol monomethyl ether acetate. Slow-evaporating solvent with good solvency for many commonly used coating resins, e.g., acrylics, NC, and urethanes; used in lacquers, water-based paints. Coupling agent providing improved surface wetting, soil penetration in household, commercial and industrial cleaning products Liquid; mp = -67°; bp = 150°; d = 0.9690; soluble in H_2O (19 g/100 ml), organic solvents; LD_{50} (rat orl) = 8532 mg/kg. *Arco; Dow AgroSciences; Dow Chem. U.S.A.*

3201 Propylene glycol monostearate

1323-39-3 G H



$C_{21}H_{42}O_3$

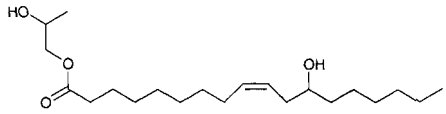
1,2-Propanediol mono-n-octadecanoate.

AI3-00975; Aldo® PGHMS KFG; Atlas G 924; Cerasynt PA; Cerasynt PN; Crill 26; Dragil-P; EINECS 215-354-3; Emcol PS-50 RHP; Emerest 2381; Monosteol; Monosteol TG; Noca; Nonex 32; NSC 4841; Octadecanoic acid, monoester with 1,2-propanediol; Pegosperse PS; Promodan SP; 1,2-Propanediol monooctadecanoate; 1,2-Propanediol monostearate; Propylene glycol monooctadecanoate; Propylene glycol monostearate; 1,2-

Propylene glycol monostearate; Propylene glycol octadecanoate; Propylene glycol stearate; Propylene glycol stearic acid ester; Prostearin; Stearic acid, monoester with propane-1,2-diol; Tegin P; USAF KE-13; Witconol 2380. Oil-water emulsifier, lubricant, and opacifier. Food emulsifier, kosher food grade emulsifier, whipping agent. *CK Witco Corp.; Grindsted UK; Lonzagroup.*

3202 Propylene glycol ricinoleate

26402-31-3 G



$C_{21}H_{40}O_4$

12-Hydroxy-9-octadecenoic acid, monoester with 1,2propanediol.

Cithrol PGMR N/E; EINECS 247-669-7; Flexricin® 9; 12-Hydroxy-9-octadecenoic acid, monoester with 1,2-propanediol; (R)-12-Hydroxyoleic acid, monoester with propane-1,2-diol; Naturechem® PGR; 9-Octadecenoic acid, 12-hydroxy-, monoester with 1,2-propanediol; Propylene glycol monoricinoleate; Propylene glycol ricinoleate. Wetting agent, dye solv., wax plasticizer, stabilizer for textile, household, and cosmetic applications, rewetting dried skins. Liquid; mp < -16°; d = 0.960. *CasChem.*

3203 Propylene oxide

75-56-9 7948 G H

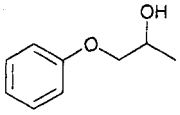
C_3H_6O

1,2-Propylene oxide.

5-17-01-00017 (Beilstein Handbook Reference); AD 6; AI3-07541; BRN 0079763; Caswell No. 713A; CCRIS 540; EINECS 200-879-2; EPA Pesticide Chemical Code 042501; Epoxypropane; 1,2-Epoxypropane; 2,3-Epoxypropane; Ethylene oxide, methyl-; HSDB 173; Methyl Ethylene Oxide; Methyl oxirane; Methyloxacyclopropane; Methyloxirane; NCI-C50099; Oxirane, methyl-; Oxyde de propylene; Propane, epoxy-; Propane, 1,2-epoxy-; Propene oxide; Propylene epoxide; Propylene oxide; 1,2-Propylene oxide; UN1280. Intermediate; polyols for urethane foams, propylene glycols, surfactants, detergents, isopropanolamines, fumigant, synthetic lubricants, synthetic elastomers, solvent. Also used as an antifreeze, food emulsifier and preservative. Colorless liquid; mp = -112°; bp = 34°; soluble in H_2O (40 g/100 ml at 20°), EtOH, Et_2O, LD_{50} (rat orl) = 1140 mg/kg. *Aberco Inc.; Arco; Ashland; Degussa-Hüls Corp.; Texaco.*

3204 Propylene phenoxetol

770-35-4 G H



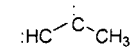
$C_9H_{12}O_2$

Phenoxyisopropanol.

AI3-14682; EINECS 212-222-7; NSC 24015; Phenoxyisopropanol; 1-Phenoxy-2-propanol; 1-Phenoxypropan-2-ol; 2-Phenoxy-1-methylethanol; 2-Propanol, 1-phenoxy-; Propylene phenoxetol. Liquid; bp = 233°, d_{20} = 134°; d^{20} = 1.0622.

3205 Propylene tetramer

6842-15-5 H



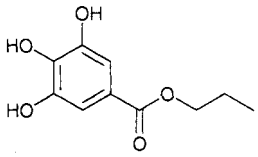
$C_{12}H_{16}$

1-Propene, tetramer.

Propene, tetramer; Propylene tetramer; Tetrapropylene; UN2850.

3206 Propyl gallate

121-79-9 7951 G



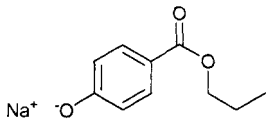
$C_{10}H_{12}O_5$

3,4,5-Trihydroxybenzoic acid propyl ester.

AI3-17136; Benzoic acid, 3,4,5-trihydroxy-, propyl ester; CCRIS 541; EINECS 204-498-2; FEMA No. 2947; Gallic acid, propyl ester; HSDB 591; n-Propyl 3,4,5-trihydroxybenzoate; n-Propyl ester of 3,4,5-trihydroxybenzoic acid; n-Propyl gallate; NCI-C505888; NIPA 49; Nipagallin P; NSC 2626; Progallin P; Propyl 3,4,5-trihydroxybenzoate; Propyl gallate; Propylester kyseliny gallove; Sustane® PG; Tenox PG; 3,4,5-Tri-hydroxybenzene-1-propylcarboxylate; 3,4,5-Trihydroxy-benzoic acid, propyl ester. Food and feed antioxidant, flavor and packaging material. Used as a preservative and antioxidant for fats and oils. Solid; mp = 130°; λ_m = 275 nm (EtOH); slightly soluble in H_2O (0.35 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 2.1-7.0 g/kg. *Aceto; Eastman Chem. Co.; Nipa; UOP.*

3207 Propyl p-hydroxybenzoate, sodium salt

35285-69-9 G



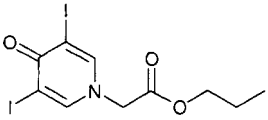
$C_{10}H_{11}NaO_3$

Sodium propylparaben.

Benzoic acid, 4-hydroxy-, propyl ester, sodium salt; Caswell No. 714A; EINECS 252-488-1; EPA Pesticide Chemical Code 061204; 4-Hydroxybenzoic acid, propyl ester, sodium salt; Nipasol M Sodium; Parasept; Propyl p-hydroxybenzoate, sodium salt; Propylparaben sodium; Propylparaben, sodium salt; Sodium 4-propoxy-carbonylphenoxide; Sodium propylparaben. Preservative, bactericide, fungicide for pharmaceuticals, cosmetics, foods, medicinal preparations, industrial applications. Laboratories; Ltd; Nipa.

3208 Propyliodone

587-61-1 7955 G



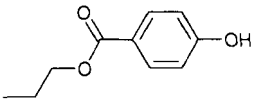
$C_{10}H_{11}I_2NO_3$

N-Propyl 3,5-di-iodo-4-pyridone-N-acetate.

5-21-07-00164 (Beilstein Handbook Reference); A.G. 33-107; BRN 0206829; Bronchodiagnostin; Bronkho-diagnostin; Brosombra; 3,5-Diiodo-4-oxo-1(4H)-pyridine-acetic acid propyl ester; 3,5-Diiodo-4-pyridone-N-acetic acid propyl ester; Dionosil; Diostril; EINECS 209-603-5; NSC 97103; Propiliodona; Propiodone; Propyl 3,5-diiodo-4-oxo-1(4H)-pyridineacetate; Propyl 3,5-diiodo-4-pyridone-N-acetate; Propyliodone; Propyliodonum; 1(4H)-Pyridineacetic acid, 3,5-diiodo-4-oxo-, propyl ester. Radiopaque medium. Used in medicine as a diagnostic aid. Crystals; 186° (dec); λ_m = 217, 238, 281 nm (ε = 18200, 16300, 12500, MeOH); soluble in H_2O (14 mg/100 ml), more soluble in organic solvents; LD_{50} (mus iv) = 300 mg/kg.

3209 Propylparaben

94-13-3 8051 E G P



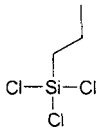
$C_{10}H_{12}O_3$

Propyl p-hydroxybenzoate.

4-10-00-00374 (Beilstein Handbook Reference); AI3-01341; Aseptoform P; Benzoic acid, 4-hydroxy-, propyl ester; Benzoic acid, p-hydroxy-, propyl ester; Betacide P; Betacine P; Bonomold Op; BRN 1103245; Caswell No. 714; Chemacide pk; Chemocide pk; Chemoside PK; EINECS 202-307-7; EPA Pesticide Chemical Code 061203; FEMA Number 2951; HSDB 203; 4-Hydroxybenzoic acid, propyl ester; p-Hydroxybenzoic acid propyl ester; p-Hydroxybenzoic propyl ester; p-Hydroxypropyl benzoate; Nipagin P; Nipasol; Nipasol M; Nipasol P; Nipazol; NSC 23515; p-Oxybenz-oesaurepropylester; Paraben; Parabens; Parasept; Pasep-tol; Preserval P; Propagin; Propyl 4-hydroxybenzoate; Propyl aseptoform; Propyl butex; Propyl Chemosept; Propyl p-hydroxybenzoate; n-Propyl p-hydroxybenzoate; Propyl paraben; Propyl parahydroxybenzoate; Propyl Parasept; Propylester kyseliny p-hydroxybenzoove; Propylparaben; Propylparasept; Protaben P; Pulvis conservans; Solbrol P; Tegosept P. Preservative, bactericide, fungicide for pharmaceuticals, cosmetics, foods, medicinal preparations, industrial applications. Used for mold control in sausage casings and as a pharmaceutical aid. Crystals; mp = 97°; bp = 133°; d^{102} = 1.0630; λ_m = 256 nm (ε = 17100, MeOH); slightly soluble in H_2O (0.05 g/100 ml), more soluble in EtOH, Et_2O. *Allchem Ind.; Greeff R.W. & Co.; Nipa; Penta Mfg.*

3210 n-Propyltrichlorosilane

141-57-1 G



$C_3H_7Cl_3Si$

Trichloropropylsilane.

AI3-60044; CP0800; EINECS 205-489-6; HSDB 889; NSC 93878; Propyl trichlorosilane; n-Propyltrichlorosilane; Silane, propyltrichloro-; Silane, trichloropropyl-; Tri-chloro-n-propylsilane; Trichloro(propyl)silane; Trichloro-propylsilane; UN1816. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Intermediate in preparation of silicones. Liquid; bp = 123.5°; d^{20} = 1.195. *Degussa-Hüls Corp.; PCR.*

3211 Propyne

74-99-7 H

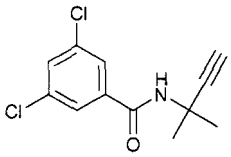
C_3H_4

1-Propyne.

4-01-00-00958 (Beilstein Handbook Reference); Acetylene, methyl-; Allylene; BRN 0878138; CCRIS 6830; EINECS 200-828-4; HSDB 2508; Methyl acetylene; Methylacetylene; Propine; Propyne. Used in chemical manufacturing. Colorless gas: mp = -102-7°; bp = -23.2°; d^{25} = 0.607; poorly soluble in H_2O, soluble in organic solvents.

3212 Propyzamide

23950-58-5 7964 G P



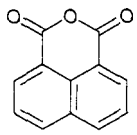
$C_{12}H_{11}Cl_2NO$

3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide.

Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-; BRN 0882391; Caswell No. 306A; CCRIS 1413; Clanex; 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide; 3,5-Dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide; 3,5-Dichloro-N-(1,1-dimethylpropynyl)benzamide; N-(1,1-Dimethylpropynyl)-3,5-dichlorobenzamide; EINECS 245-951-4; EPA Pesticide Chemical Code 101701; HSDB 5118; Kerb Propyzamide 50; KERB; KERB 50W; Pronamid; Pronamide; Propyzamide; Rapier; RCRA waste number U192; RH 315. A residual herbicide in a wettable powder form for a wide range of agricultural crops such as oil seed rape. Registered by EPA as a herbicide. Colorless powder; mp = 155-156°; soluble in H_2O (0.0015 g/100 ml), MeOH (15 g/100 ml), i-PrOH (15 g/100 ml), cyclohexanonoe (20 g/100 ml), MEK (20 g/100 ml), DMSO (33 g/100 ml), moderately soluble in petroleum ether; LD_{50} (mrat orl) = 8350 mg/kg, (frat orl) = 5620 mg/kg, (dog orl) > 10000 mg/kg, (rbt der) > 3160 mg/kg, (dck orl) > 14000 mg/kg; LC_{50} (rat inh) = 5.0 mg/l air, (goldfish 96 hr.) = 350 mg/l, (guppy 96 hr.) = 150 mg/l, (rainbow trout 96 hr.) = 72 mg/l; non-toxic to bees. *Dow AgroSciences; Earth Care; Farmers Crop Chemicals Ltd.; Kommer-Brookwick Ltd.; MTM AgroChemicals Ltd.; Pan Britannica Industries Ltd.; Rohm & Haas Co.; Rohm & Haas UK.*

3213 Protect

81-84-5 H



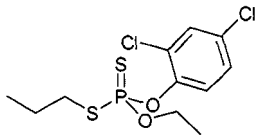
$C_{12}H_6O_3$

1,8-Naphthalenedicarboxylic acid anhydride.

5-17-11-00492 (Beilstein Handbook Reference); AI3-09071; BRN 0153190; EINECS 201-380-2; Naphthalene-1,8-dicarboxylic anhydride; Naphthalic anhydride; NSC 5747; Pakarli; Protect; Protect (agrochemical). Herbicide safener. *Anshan HIFI Chemical Co., Ltd.; Mil-Spec Industries Inc.*

3214 Prothiofos

34643-46-4 G P



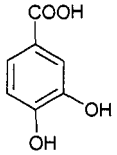
$C_{11}H_{15}Cl_2O_2PS_2$

O-(2,4-Dichlorophenyl) O-ethyl S-propyl phosphorodi-thioate.

AI3-29305; BAY-NTN 8629; Bideron; BRN 1998314; Caswell No. 714H; Dichlorpropaphos; O-(2,4-Dichlorophenyl) O-ethyl S-propyl dithiophosphate; EPA Pesticide Chemical Code 128858; O-Ethyl-O-(2,4-dichlorophenyl)-S-n-propyl-dithiophosphate; NTN-8629; NTN 8629,4541; Phosphorodithioic acid, O-(2,4-dichlorophenyl) O-ethyl S-propyl ester; Prothiofos; Prothiophos; Tokuthion; Toyodan; Toyothion. Non-systemic insecticide with contact and stomach action; cholinesterase inhibitor, especially effective against leaf-eating caterpillars. Colorless liquid; $bp_{0.1}$ = 125 - 128°; sg^{20}= 1.3; slightly soluble in H_2O (0.00017 g/100 ml at 20°), freely soluble in cyclohexanone, i-PrOH, C_7H_8, CH_2Cl_2, ligroin (all > 90 g/100 ml); LD_{50} (mrat orl) ≅1500 mg/kg, (mrat der) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 2.7 mg/l air, (golden orfe 96 hr.) = 4 - 8 mg/l, (goldfish 96 hr.) = 6 - 20 mg/l, (rainbow trout 96 hr.) 0.5 - 1.0 mg/l; non-toxic to bees. *Bayer Corp., Agriculture; Bayer Corp.; Mobay.*

3215 Protocatechuic acid

99-50-3 7986 G



$C_7H_6O_4$

3,4-Dihydroxybenzoic acid.

4-10-00-01459 (Beilstein Handbook Reference); Benzoic acid, 3,4-dihydroxy-; BRN 1448841; 4-Carboxy-1,2-dihydroxybenzene; CCRIS 6291; 3,4-Dihydroxybenzoic acid; 4,5-Dihydroxybenzoic acid; EINECS 202-760-0; NSC 16631; Protocatechuic acid. Used in chemical synthesis. mp = 200-202°; d^4 = 1.524; λ_m = 270, 290 nm (ε = 2754, 3890, H_2O); insoluble in C_6H_6, slightly soluble in H_2O (2 g/100 ml), soluble in Et_2O, very soluble in EtOH. *Dinoval.*

3216 Prussic acid

74-90-8 4816 G

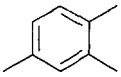
CHN

Hydrocyanic acid.

4-02-00-00050 (Beilstein Handbook Reference); Acide cyanhydrique; Acido cianidrico; Aero Liquid HCN; AI3-31100-X; Blausaeure; Blauwzuur; BRN 1718793; Carbon hydride nitride (CHN); Caswell No. 483; Cyaanwaterstof; Cyanwasserstoff; Cyclon; Cyclone B; Cyjanowodor; EINECS 200-821-6; EPA Pesticide Chemical Code 045801; Evercyn; Formic anammonide; Formonitrile; HCN; HSDB 165; Hydrocyanic acid; Hydrogen cyanide; NA1613; Prussic acid; RCRA waste number P063; UN 1051; UN 1613; UN 1614; UN 3294; Zaclondiscoids; Zootic acid; Zyklon B. Present in apricot and peach pits in low concentrations, extremely toxic, used to exterminate rodents and insects. Used in the manufacture of acrylonitrile, acrylates, adiponitrile, chelates, dyes, and pesticides. Colorless or pale blue liquid or gas with a bitter almond odor detectable at 1 to 5 ppm; mp = -13°; bp = 26°; soluble in H_2O, LC_{50} (rat ihl 5 min) = 544 ppm. *Am. Cyanamid; BP Chem.; Ciba Geigy Agrochemicals; Ciba-Geigy Corp.; Degussa AG; Dow Chem. U.S.A.; DuPont; Monsanto Co.; Rohm & Haas Co.*

3217 Pseudocumene

95-63-6 8006 H



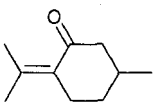
C_9H_{12}

1,2,4-Trimethylbenzene.

AI3-03976; Asymmetrical trimethylbenzene; Benzene, 1,2,4-trimethyl-; Benzene, 1,2,5-trimethyl-; EINECS 202-436-9; HSDB 5293; NSC 65600; Pseudocumene; Pseudocumol; psi-Cumene; as-Trimethylbenzene; Uns-trimethylbenzene. Used as a solvent in chemical manufacturing and in scintillation counters. Oil; mp = -43.8°; bp = 169.3°; d^{20} = 0.8578; λ_m = 267, 277 nm (MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether.

3218 Pulegone

89-82-7 8028 G



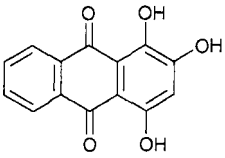
$C_{10}H_{16}O$

1-Methyl-4-isopropylidene-3-cyclohexanone.

AI3-11218; CCRIS 5746; Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (5R)-; EINECS 201-943-2; FEMA No. 2963; 1-Isopropylidene-4-methyl-2-cyclohexanone; 4(8)-p-Menthen-3-one, delta-; (1R)-(+)-p-Menth-4(8)-en-3-one; p-Menth-4(8)-en-3-one; p-Menth-4(8)-en-3-one, (R)-(+)-; 1-Methyl-4-isopropylidene-3-cyclohexanone; 3-Methyl-6-isopropylidenecyclohexanone; 5-Methyl-2-(1-methyl-ethylidene)cyclohexanone, (R)-; NSC 15334; Pulegon; Pulegone; d-Pulegone; (+)-(R)-Pulegone; (+)-Pulegone; (R)-(+)-Pulegone; (R)-Pulegone. Found in natural oils such as pennyroyal oil. Oil; bp = 224°, bp_{12} = 97°; $[\alpha]_D^{20}$= 23.4° (neat); d^{45} = 0.9346; λ_m = 253 nm (ε = 6340, MeOH); insoluble in H_2O, soluble in organic solvents.

3219 Purpurin

81-54-9 8036 G



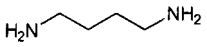
$C_{14}H_8O_5$

1,2,4-Trihydroxy-9,10-anthraquinone.

4-08-00-03568 (Beilstein Handbook Reference); 9,10-Anthracenedione, 1,2,4-trihydroxy-; Anthraquinone, 1,2,4-trihydroxy-; BRN 1887127; C.I. 1037; C.I. 58205; C.I. 75410; CCRIS 3527; EINECS 201-359-8; Hydroxylizaric acid; NSC 10447; Purpurin; Purpurine; Smoke Brown G; 1,2,4-Trihydroxy-9,10-anthraquinone; 1,2,4-Trihydroxyanthrachinon; 1,2,4-Trihydroxyanthra-quinone; Verantin. An anthraquinone-based dyestuff. Orange-red crystals; mp = 259°; insoluble in H_2O, soluble in organic solvents.

3220 Putrescine

110-60-1 8038 G



$C_4H_{12}N_2$

1,4-Butanediamine.

4-04-00-01283 (Beilstein Handbook Reference); AI3-25444; BRN 0605282; 1,4-Butanediamine; Butylene-diamine; 1,4-Butylenediamine; CCRIS 6751; 1,4-Diaminobutane; EINECS 203-782-3; NSC 60545; Putrescin; Putrescine; Tetramethyldiamine; Tetramethyl-enediamine; 1,4-Tetramethylenediamine. Ubiquitous biological chemical formed by decarboxylation in tissue of ornithine or arginine. Used in biochemical and biological research. Solid; mp = 27.5°; bp = 158.5°; d^{25} = 0.8770; soluble in H_2O (40 g/l), organic solvents.

3221 PVP

9003-39-8 7783 E G

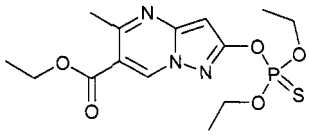
$C_6H_9NO_x$

Polyvinylpyrrolidone.

143 RP; Agent AT 717; Agrimer; Aibigen A; Aidacol Q; Antaron P 804; AT 717; Bolinan; Caswell No. 681; CCRIS 3611; Crospovidone; Crospovidonum; EPA Pesticide Chemical Code 079033; 1-Ethenyl-2-pyrrolidinone homopolymer; Ganex P 804; Hemodesis; Hemodez; HSDB 205; α-Hydro-ω-(p-iodobenzyl)poly(1-(2-oxo-1-pyrrolidinyl)ethylene)-^{131}I; K 15; K 25 (polymer); K 30 (polymer); K 60 (polymer); K 90; K115; K 115 (polyamide); Kollidin CLM; Kollidon; Kollidon 17; Kollidon 25; Kollidon 30; Kollidon CL; Luviskol; Luviskol K30; Luviskol K90; MPK 90; NCI-C60582; Neocompensan; NSC 114022; NSC 142693; Peragal ST; Peregal ST; Periston; Periston-N; Peviston; Plasdone; Plasdone 4; Plasdone K-26/28; Plasdone K 29-32; Plasdone No. 4; Plasdone XL; Plasmosan; Polividona; Polividone; Poly-N-vinyl pyrrolidone; Poly(1-(2-oxo-1-pyrrolidinyl)ethylene); Poly(1-(2-oxo-1-pyrrolidinyl)-1,2-ethanediyl), α-hydro-ω-((4-(iodo-^{131}I)phenyl)methyl)-; Poly(1-ethenyl-2-pyrrolidinone); Poly(N-vinylbutyro-lac-tam); Poly(vinylpyrrolidinone); Poly(1-vinylpyrrolidin-one); Poly(N-vinylpyrrolidinone); Poly(N-vinyl-2-pyrro-lidinone); Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.1; Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.2; Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.3; Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.4; Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.5; Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.6; Poly(1-vinyl-2-pyrrolidinone) Hueper's Polymer No.7; Poly(N-vinylpyrrolidone); Poly(N-vinyl-2-pyrrolid-one); Polyclar AT; Polyclar H; Polyclar L; Polygyl; Poly-plasdone; Polyplasdone XL; Polyvidone; Poly-vidonum; Polyvinylpyrrolidone; Povidone; Protagent; PVP; PVP 1; PVP 2; PVP 3; PVP 4; PVP 5; PVP 6; PVP 7; PVP 40; PVP K 3; PVP-K 15; PVP-K 30; PVP-K 60; PVP-K 90; PVPP; 2-Pyrrolidinone, 1-ethenyl-, homopolymer; 2-Pyrrolidinone, 1-vinyl-, polymers; Refresh; Sauflon; Soothe; Subtosan; Tears Plus; Tolpovidone I-131; Toxobin; Vinisil; Vinylpyrrolidone polymer; N-Vinylbutyrolactam polymer; Vinylpyrrolidinone polymer; 1-Vinyl-2-pyrrolidinone homopolymer; 1-Vinyl-2-pyrrolidinone polymer; N-Vinylpyrrolidinone polymer; N-Vinylpyrrolidone polymer; 1-Vinyl-2-pyrrolidone poly-mer; N-Vinyl-2-pyrrolidone polymer. Polymer of 1-vinyl-2-pyrrolidone monomers; a film-forming agent, hair fixative, thickener, protective colloid, suspending agent, and dispersant for cosmetics industry, technical applications, drug vehicle and retardant; tablet binder, pharmaceutical excipient; used in adhesives and detergents. FDA listed (must be removed by filtration), BATF listed (limitation 6 lb/1000 gals. wine). Used as a binder and disintegrant in pharmaceutical tablets and as a suspension aid. White hygroscopic powder; insoluble in H_2O. *Abbott Labs Inc.; Allchem Ind.; BASF Corp.; ISP.*

3222 Pyrazophos

13457-18-6 8052 G P



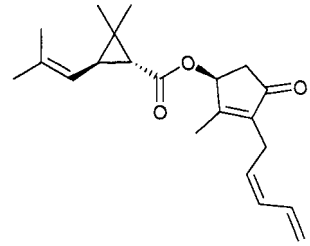
$C_{14}H_{20}N_3O_5PS$

Ethyl 2-[(diethoxyphosphinothioyl)oxy]-5-methylpyr-azolo[1,5-a]pyrimidine-6-carboxylate.

Afugan; BRN 0577209; Caswell No. 714D; Curamil; 2-(O,O-Diethyl-thionophosphoryl)-5-methyl-6-carbethoxy-pyrazolo-(1,5a)pyrimidine; EINECS 236-656-1; EPA Pesticide Chemical Code 447500; Ethyl 2-diethoxythiophosphoryloxy-5-methylpyrazolo(1,5-a)pyr-imidine-6-carboxylate; Hoechst 2873; Missile; NSC 232671; O-6-Ethoxycarbonyl-5-methylpyrazolo(1,5-a)-pyrimidin-2-yl O,O-diethyl phosphorothioate; O,O-Diethyl-O-(5-methyl-6-ethoxy-carbonyl-pyrazolo(1.5-a)pyrimid-2-yl)-thionophosphate; Phosphorothioic acid, O,O-diethyl ester, O-ester with (6-ethoxycarbonyl-5-methyl)pyrazolo(1,5-a)pyrimidin-2-ol; Pyrazolo-(1,5a)pyr-imidine, 2-(O,O-diethyl-thionophosphoryl)-5-methyl-6-ethoxycarbonyl-; Pyrazophos; Pyrazolo(1,5-a)pyrimidine-6-carboxylic acid, 2-((diethoxyphosphinothioyl)oxy}-5-methyl-, ethyl ester; Pyrazolo(1,5-a)pyrimidine-6-carboxylic acid, 2-hydroxy-5-methyl-, ethyl ester, O-ester with O,O-diethyl phosphorothioate. Systemic organophosphorus fungicide. Crystals; mp - 50 - 51°; dec. on distillation; sg^{25} = 1.348; slightly soluble in H_2O (0.00042 g/100 ml) at 20°), soluble in Me_2CO (121 g/100 ml), C_7H_8 (> 98 g/100 ml), EtOAc (90 g/100 ml), EtOH (9.5 g/100 ml), C_6H_{14} (1.1 g/100 ml), soluble in most organic solvents, such as xylene, C_6H_6, CCl_4, CH_2Cl_2, trichlorethylene; LD_{50} (rat orl) = 140 - 632 mg/kg, (rat der) > 2000 mg/kg, (quail orl) = 118 - 480 mg/kg; LC_{50} (carp 96 hr.) = 6.1 mg/l, (rainbow trout 96 hr.) = 0.48 mg/l; non-toxic to bees up to 1 g/l (in a spray). *Aventis Crop Science; Hoechst AG; Hoechst UK Ltd.*

3223 Pyrethrin I

121-21-1 8054 H P

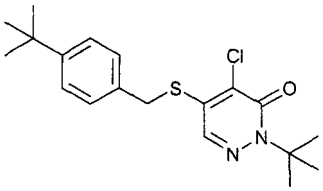


$C_{21}H_{28}O_3$

(1R-(1α(S*(Z)),3β))- 2,2-Dimethyl-3-(2-methyl-1-prop-enyl)-2-methyl-4-oxo-3-(2,4-pentadienyl)-2-cyclopenten-1-ylcyclopropanecarboxylate.

3-09-00-00215 (Beilstein Handbook Reference); BRN 2004306; Caswell No. 715; Chrysanthemum mono-carboxylic acid pyrethrolone ester; EINECS 204-455-8; EPA Pesticide Chemical Code 069001; HSDB 6302; Piretrina 1; Pyrethrin I; Pyrethrine I; Pyrethrins; Pyrethrolone, chrysanthemum monocarboxylic acid ester; Pyrethronyl (+)-trans-chrysanthemate; Pyrethrum; RCRA waste number P008. Registered by EPA as an insecticide. Viscous liquid; $bp_{0.1}$ = 170°; d^{18} = 1.5192; $[\alpha]_D^{20}$ = -14° (isooctane); λ_m = 225 nm (ε 36400 95% EtOH); insoluble in H_2O, soluble in EtOH, petroleum ether, kerosene, CCl_4, ethylene dichloride, nitromethane; LD_{50} (rat orl) = 584 - 900 mg/kg, (mus orl) = 273 - 796 mg/kg, (rat der) > 1500 mg/kg, (rbt der) = 5000 mg/kg; highly toxic to fish; toxic to bees, with repellant effect.

3224 **Pyridaben**
96489-71-3 8057 P

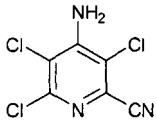


$C_{19}H_{25}ClN_2OS$
4-Chloro-2-(1,1-dimethylethyl)-5-(((4-(1,1-dimethylethyl)phenyl)methyl)thio)-3(2H)-pyridazinone.
HSDB 7052; NC 129; NCI 129; Nester; Pyridaben; Sanmite. Registered by EPA as an miticide and insecticide. White crystals; mp = 111-112°; d_4^{20} = 1.2; soluble in Me_2CO (46 g/100 ml), corn oil (4.2 g/100 ml), EtOH (5.7 g/100 ml), methyl cellosolve (111 g/100 ml), xylene (39 g/100 ml), C_6H_6 (11 g/100 ml), cyclohexane (32 g/100 ml), C_6H_{14} (1.0 g/100 ml), n-octanol (6.3 g/100 ml), H_2O (0.0012 mg/100 ml); LD_{50} (mrat orl) = 435 mg/kg, (frat orl) = 358 mg/kg, (Bobwhite quail orl) > 2250 mg/kg, (Mallard duck orl) > 2500 mg/kg, (mrbt der) > 2000 mg/kg, (frbt der) > 2000 mg/kg. *BASF Corp.; Nissan Chem. Ind.*

3225 **Pyridine**
110-86-1 8060 G H

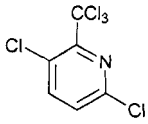
C_5H_5N
Pyridine.
AI3-01240; Azabenzene; Azine; Caswell No. 717; CCRIS 2926; CP 32; EINECS 203-809-9; EPA Pesticide Chemical Code 069202; FEMA Number 2966; HSDB 118; NCI-C55301; NSC 406123; Piridina; Pirydyna; Pyridin; Pyridine; RCRA waste number U196; UN1282. Used as a solvent and in synthesis of agrochemicals, pharm-aceuticals, photographic materials, coatings, curing agents, rubber chemicals, plastics, antidandruff shampoos, textiles, dyestuffs. Mobile liquid; mp ■ -41.6°; bp = 115.2°; d^{20} = 0.9819; λ_m =250, 256, 261 nm (MeOH); very soluble in H_2O, EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$; LD_{50} (rat orl) = 1.58 g/kg. *Lancaster Synthesis Co.; Nepera; Penta Mfg.; Whitecourt.*

3226 **2-Pyridinecarbonitrile, 4-amino-3,5,6-tri-chloro**
14143-60-3 H



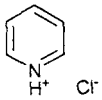
$C_6H_2Cl_3N_3$
Picolinonitrile, 4-amino-3,5,6-trichloro-.
4-Amino-3,5,6-trichloropyridine-2-carbonitrile; EINECS 237-992-1; Picolinonitrile, 4-amino-3,5,6-trichloro-; 2-Pyridinecarbonitrile, 4-amino-3,5,6-trichloro.

3227 **Pyridine, 3,6-dichloro-2-(trichloromethyl)-**
1817-13-6 H



$C_6H_2Cl_5N$
2,5-Dichloro-6-(trichloromethyl)pyridine.
2,5-Dichloro-6-(trichloromethyl)pyridine; Pyridine, 3,6-dichloro-2-(trichloromethyl)-.

3228 **Pyridine hydrochloride**
628-13-7 H

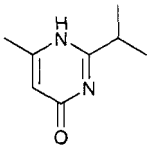


C_5H_6ClN
Pyridine hydrochloride.
AI3-30571; EINECS 211-027-4; Pyridine hydrochloride; Pyridinium chloride; Pyridinium monochloride. Platelets; mp = 146°; bp = 222°; λ_m = 266 nm (ε = 5012, EtOH), 255 nm (ε = 5248, EtOH-HCl); very soluble in H_2O, EtOH, $CHCl_3$.

3229 **Pyrimidine**
289-95-2 8076 G

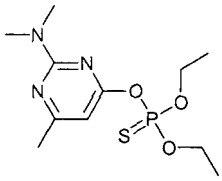
$C_4H_4N_2$
Metadiazine.
1,3-Diazabenzene; 1,3-Diazine; m-Diazine; EINECS 206-026-0; Metadiazine; Miazine; NSC 89305; Pyrimidine. Used in biochemical research. Crystals; mp ■ 22°; bp = 123.8°; d = 1.0160; λ_m = 238, 243, 280 nm (ε = 2220, 2360, 298, MeOH); soluble in EtOH, very soluble in H_2O.

3230 **6-Pyrimidinol, 2-isopropyl-4-methyl**
2814-20-2 H



$C_8H_{12}N_2O$
2-Isopropyl-4-methyl-6-hydroxypyrimidine.
2-Isopropyl-4-methyl-6-hydroxypyrimidine; 2-Isopropyl-6-methyl-1H-pyrimidin-4-one; 4(3H)-Pyrimidinone, 2-isopropyl-6-methyl-; 6-Pyrimidinol, 2-isopropyl-4-methyl; EINECS 220-561-7; G 27550; HSDB 5899; IMHP.

3231 **Pyrimithate**
5221-49-8 8078 G P



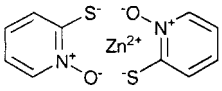
$C_{11}H_{20}N_3O_3PS$

Phosphorothioic acid O-[2-(dimethylamino)-6-methyl-4-pyrimidinyl] O,O-diethyl ester.

ICI-29661; Diothyl; pyrimitate. Used as an acaricide and an insecticide. Liquid; $bp_{0.04}$ = 128-132°; sg = 1.165; insoluble in H_2O, soluble in organic solvents. *ICI Agrochemicals.*

3232 Pyrithione Zinc

13463-41-7 8084 D G



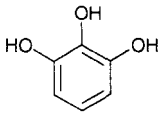
$C_{10}H_8N_2O_2S_2Zn$

Bis[1-hydroxy-2(1H)-pyridinethionato]zinc.

AI3-62421; BC-J; Biocut ZP; Breck One Dandruff Shampoo; Caswell No. 923; CCRIS 4894; Danex; Desquaman; EINECS 236-671-3; EPA Pesticide Chemical Code 088002; Evafine P 50; Finecide ZPT; FSB 8332; Head and Shoulders; Hokucide ZPT; HSDB 4498; Niccanon SKT; NSC 290409; OM-1563; Omadine Zinc; Piritionato cincico; Pyrithione zinc; Pyrithione zincique; Pyrithionum zincicum; Sebulon Shampoo; Tomicide Z 50; Tomicide ZPT 50; Top Brass; Vancide P; Vancide ZP; Wella Crisan; Zinc Omadine; Zinc PT; Zinc pyrethion; Zinc pyridine-2-thiol-1-oxide; Zinc pyridinethione; Zinc - pyrion; Zinc pyrithione; Zinci pyrithionum; Zincon Dandruff Shampoo; Zincpolyanemine; Zn - pyrion; ZNP Bar; ZnPT; ZPT.; component of: Head and Shoulders. Antibacterial; antifungal; antiseborrheic. Ingredient in Head and Shoulders. *Allergan Herbert; Herbert; Lederle Labs.; Olin Res. Ctr.; Stiefel Labs Inc.; Westwood-Squibb Pharm. Inc.*

3233 Pyrogallol

87-66-1 8090 D G



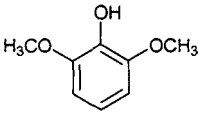
$C_6H_6O_3$

1,2,3-Benzenetriol.

215; 4-06-00-07327 (Beilstein Handbook Reference); AI3-00709; BRN 0907431; C.I. 76515; C.I. Oxidation Base 32; CCRIS 1940; CI 76515; CI Oxidation Base 32; EINECS 201-762-9; Fouramine Brown AP; Fourtrine 85; Fourtrine PG; HSDB 794; NSC 5035; Pyro; Pyrogallic acid; Pyrogallol. Protective colloid in preparation of metallic colloidal solutions, used in photography, in preparation of dyes, intermediates, in medicine, as a reducing agent and antoxidant. Absorbs oxygen, used in gas analysis. Chemical intermediate. Used as a photographic developer, dyeing wool, staining leather, in metallurgy and analytical chemistry. Used in manufacture of dyes, intermediate, synthetic drugs, laboratory reagent, reducing agent, antioxidant in lubricating oils. A catechol-O-methyltransferase inhibitor with antipsoriatic activity. Crystals; mp = 133°; bp = 309°; d^4 = 1.453; λ_m = 267 nm (EtOH); soluble in H_2O (58.8 g/100 ml), EtOH (76.9 g/100 ml), Et_2O (62.5 g/100 ml); slightly soluble in C_6H_6, $CHCl_3$, CS_2; LD_{50} (rbt orl) = 1600 mg/kg. *Burlington Biomedical; Fuji Chem. Ind.; Hoechst Celanese; Mallinckrodt Inc.; Schering AG.*

3234 Pyrogallol dimethylether

91-10-1 G



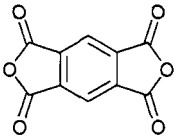
$C_8H_{10}O_3$

2,6-Dimethoxy phenol.

Aldrich; 1,3-Di-o-methylpyrogallol; 1,3-Dimethoxy-2-hydroxybenzene; 2,6-Dimethoxyphenol; 1,3-Dimethyl pyrogallate; 2,6-Dwumetoksyfenol; EINECS 202-041-1; FEMA No. 3137; 2-Hydroxy-1,3-dimethoxybenzene; Phenol, 2,6-dimethoxy-; Pyrogallol 1,3-dimethyl ether; Syringol. Crystals; mp = 56.5°; bp = 261°; λ_m = 268 nm (ε 1096, MeOH), 270 nm (ε = 1072, EtOH); soluble in H_2O (2 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 550 mg/kg. *Janssen Chimica; Lancaster Synthesis Co.; Penta Mfg.; Spectrum Chem. Manufacturing.*

3235 Pyromellitic dianhydride

89-32-7 H



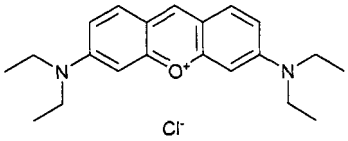
$C_{10}H_2O_6$

1,2,4,5 Benzenetetracarboxylic 1,2:4,5 dianhydride.

EINECS 201-898-9; NSC 4798; Pyromellitic 1,2:4,5-dianhydride; Pyromellitic acid anhydride; Pyromellitic acid dianhydride; Pyromellitic anhydride; Pyromellitic dianhydride.

3236 Pyronine B

2150-48-3 8096 G



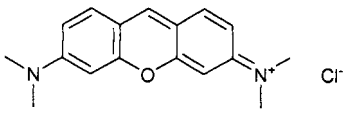
$C_{21}H_{27}ClN_2O$

3,6-Bis(diethylamino)xanthylium chloride.

AI3-52461; Ammonium, (6-(diethylamino)-3H-xanthen-3-ylidene)diethyl-, chloride; Ammonium, diethyl(6-(diethyl-amino)-3H-xanthen-3-ylidene)-, chloride; 3,6-Bis(diethyl-amino)xanthylium chloride; C.I. 45010; (6-(Diethyl-amino)-3H-xanthen-3-ylidine)diethylammonium chloride; N-(6-(Diethylamino)-3H-xanthen-3-ylidine)-N-ethyl-ethanaminium chloride; E tetraethylpyronin; EINECS 218-429-9; Ethanaminium, N-(6-(diethylamino)-3H-xanthen-3-ylidene)-N-ethyl-, chloride (9Cl); NSC 44690; Pyronin B; Pyronine B; Xanthylium, 3,6-bis(diethylamino)-, chloride. With ferric chloride, forms a green complex which is used as a stain for bacteria, molds and RNA.

3237 Pyronine Y

92-32-0 8097 G



$C_{17}H_{19}ClN_2O$

Methanaminium, N-(6-(dimethylamino)-3H-xanthen-3-ylidene)-N-methyl-, chloride.

AI3-52862; Ammonium, (6-(dimethylamino)-3H-xanten-3-ylidene)dimethyl-, chloride; 3,6-Bis(dimethylamino)-xanthylium chloride; C.I. 45005; EINECS 202-147-8; Methyl pyronin; NSC 10454; Pyronin G; Pyronin Y; Pyronin Yellow; Pyronine; Pyronine G; Pyronine Y; Pyronine ZH; Schultz No. 853; Tetramethyl pyronin; Xanthylium, 3,6-bis(dimethylamino)-, chloride. Used in the dyestuffs industry. With ferric chloride, gives a green complex which is used as a bacteriological and biological stain. Soluble in H_2O (9 g/100 ml), EtOH; λ_m = 576 nm. *Allchem Ind.; Enrique Silvestrini y Cia; Oliver Y Batlle.*

3238 Pyroxylin

9004-70-0 8101 D E G

$C_{12}H_{16}(ONO_2)_4O_6$

Cellulose nitrate.

BK2-W; BK2-Z; C 2018; CA 80-15; Celex; Celloidin; Cellulose, nitrate; Cellulose tetranitrate; CN 85; Collodion; Collodion cotton; Collodion, flexible; Collodion wool; Colloxylin; Colloxylin VNV; Corial EM finish F; Daicel RS 1; E 1440; Flexible collodion; FM-Nts; Fulmicoton; Guncotton; H 1/2; HSDB 1973; HX 3/5; Kodak LR 115; LR 115; Nitrocel S; Nitrocellulose; Nitrocotton; Nitron; Nitron (nitrocellulose); Nixon N/C; NP 11; NTs 218; NTs 222; NTs 539; NTs 542; NTs 62; Parlodion; Pirossilina; Piroxilina; Pyralin; Pyroxylin; Pyroxyline; Pyroxylinum; R.S.Nitrocellulose; RF 10; RS; RS 1/2; RS Nitrocellulose; Shadolac MT; Soluble gun cotton; Synpor; Tsapolak 964; UN0340; UN0341; UN0342; UN0343; UN2059; UN2555; UN2556; UN2557; Xyloidin. Cellulose derivative used in lacquers, high explosives, rocket propellant, printing ink base, leather finishing, and as a topical protectant. White filaments; d_{25}^{25} = 0.765 - 0.775; soluble in EtOH, Me_2CO, AcOH. *Allchem Ind.; Aqualon; Asahi Chem. Industry; Hercules Inc.; SNPE North America.*

3239 Pyrrole

109-97-7 8104 G

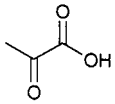
C_4H_5N

1H-Pyrrole.

AI3-18817; 1-Aza-2,4-cyclopentadiene; Azole; CCRIS 2933; Divinyleneimine; Divinylenimine; EINECS 203-724-7; FEMA No. 3386; HSDB 119; Imidole; Monopyrrole; NSC 62777; Parzate; Pyrrol; Pyrrole; 1H-Pyrrole. Chemical intermediate. Used in the manufacture of pharmaceuticals. Oil; mp = -23.4°; bp = 129.7°; d^{20} = 0.9698; λ_m = 209 nm (ε = 6730, MeOH); slightly soluble in H_2O (60 g/l), soluble in C_6H_6, EtOH, Et_2O, Me_2CO, $CHCl_3$..

3240 Pyruvic acid

127-17-3 8110 G



$C_3H_4O_3$

2-Oxopropionic acid.

4-03-00-01505 (Beilstein Handbook Reference); Acetylformic acid; AI3-11220; BRN 0506211; BTS; EINECS 204-824-3; FEMA No. 2970; α-Ketopropionic acid; 2-Ketopropionic acid; NSC 179; 2-Oxopropanoic acid; 2-Oxopropionic acid; Propanoic acid, 2-oxo-; Pyroracemic acid; Pyruvic acid. Chemical intermediate and used in biochemical research. Liquid; mp = 13.8°; bp = 165° (dec), bp_{10} = 54°; d^{20} = 1.2272; λ_m = 285m nm (ε = 8, H_2O); soluble in Me_2CO, freely soluble in H_2O, EtOH, Et_2O. *Lancaster Synthesis Co.; Penta Mfg.; U.S. BioChem.*

3241 Quartz

14808-60-7 8567 G

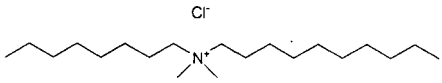
SiO_2

Crystallized silicon dioxide.

Agate; Amethyst; CCRIS 2475; Chalcedony; Cherts; Crystallized silicon dioxide; D & D; DQ12; EINECS 238-878-4; Flint; Flintshot; Gold bond R; Imsil; Min-U-Sil; MIN-U-sil α quartz; Novaculite; Onyx; Quartz; α-Quartz; Quartz (SiO_2); Quartz dust; Quartz silica; Quazo puro; Rock crystal; Rose quartz; Sand; SF 35; Sicron F 300; Siderite (SiO_2); Sikron F 100; Sil-Co-Sil; Silica; Silica, crystalline, quartz; Silica dust; Silica flour (powdered crystalline silica); Silicates (<1% crystalline silica):Graphite, natural; Silicon oxide, di- (sand); Silver bond B; Snowit; TGL 16319; Tiger-eye; W 12; W 12 (Filler). Silicon dioxide; silica; crystallized silicon dioxide; there are three types. a) crystalline, such as tridymite and cristobalite. b) crypto-crystalline, such as chalcedony, and c) hydrated silica or opal; electronic components; TV components. Transparent crystals; d = 2.65; insoluble in H_2O, organic solvents. *U.S. Silica Inc.; Unimin; Westco.*

3242 Quaternium-24

32426-11-2 G



$C_{20}H_{44}ClN$

Decyl dimethyl octyl ammonium chloride.

Ammonium, decyldimethyloctyl, chloride; BTC® 818; Caswell No. 613A; 1-Decaminium, N-octyl-N,N-di-methyl-, chloride; 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride; Decylocytldimethylammonium chloride; EINECS 251-035-5; EPA Pesticide Chemical Code 069165; N,N-Dimethyl-N-octyl-1-decanaminium chloride; Octyl decyl dimethyl ammonium chloride; Quaternium-24. Disinfectant, sanitizer, and fungicide for hard surfaces; excellent sanitizer in hard water to 800 ppm as $CaCO_3$. Liquid; soluble in H_2O; d = 0.93; flash point = 86°F; cationic. *Stepan Canada; Stepan.*

3243 Quaternium-27

86088-85-9 G

$R_2C_8H_{15}N_3O_5S$, (R represents tallow alkyl)

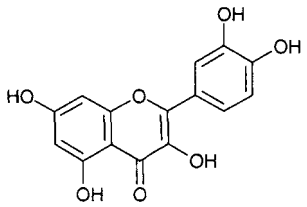
Methyl-1-tallow amido ethyl-2-tallow imidazolinium methyl sulfate.

ACCOSOFT® 808-90; Empigen® FRC90S;; Incrosoft S-75; Incrosoft S-90; Incrosoft S-90M; Varisoft® TIMS; Ditallow imidazoline methyl sulfate; Tallow imidazolinium methosulfate. Softener base, lubricant, antistat and rewetting agent for fabrics and synthetics. Pale amber soft paste; d = 0.95; set point = 20°; pH =

4.0-6.5. *Albright & Wilson Americas Inc.; Stepan.*

3244 Quercetin

117-39-5 8122 G



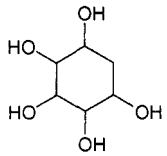
$C_{15}H_{10}O_7$

2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzo-pyran-4-one.

5-18-05-00494 (Beilstein Handbook Reference); AI3-26018; 4H-1-Benzopyran-4-one, 2-(3,4-dihydroxy-phenyl)-3,5,7-trihydroxy-; BRN 0317313; C.I. 75670; C.I. natural red 1; C.I. natural yellow 10 & 13; CCRIS 1639; CI 75670; CI Natural Yellow 10; Cyanidelonon 1522; EINECS 204-187-1; Flavin meletin; Flavone, 3,3',4',5,7-pentahydroxy-; HSDB 3529; Kvercetin; Meletin; Natural Yellow 10; NCI-C60106; NSC 9219; 3,5,7,3',4'-Pentahydroxyflavone; Quercetin; Quercetine; Quercetol; Quercitin; Quertine; Sophoretin; T-Gelb bzw. grun 1; 3',4',5,7-Tetrahydroxyflavan-3-ol; 3,3',4',5,7-Pentahydroxyflavone; 3,5,7-Trihydroxy-2-(3,4-dihydroxy-phenyl)-4H-chromen-4-on; Xanthaurine. The aglycone of quercitrin. Has been used in medicine as a capillary protectant; used in manufacture of epoxy resins. Yellow needles; mp = 316.5° (dec); λ_m = 257, 374 nm (ε =21878, 21878, EtOH); slightly soluble in H_2O, Et_2O, MeOH, soluble in EtOH, Me_2CO, C_5H_5N, AcOH; LD_{50} (mus orl) = 160 mg/kg. *EM Ind. Inc.; U.S. BioChem.*

3245 Quercitol

488-73-3 8124 G



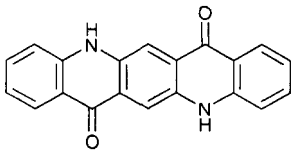
$C_6H_{12}O_5$

1,2,3,4,5-Cyclopentanepentol.

D-chiro-Inositol, 2-deoxy-; 2-Deoxy-D-chiro-inositol; D-1-Deoxy-muco-inositol; (+)-Protoquercitol; (+)-Quercitol; d-Quercitol. Sugar found in acorns. Used as a chemical intermediate. Crystals; mp = 234-235°; $[\alpha]_D^{30}$= 24-26°; soluble in H_2O, slightly soluble in hot EtOH, insoluble in cold EtOH, Et_2O.

3246 Quinacridone

1047-16-1 H



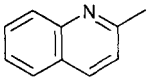
$C_{20}H_{12}N_2O_2$

5,12-Dihydroquino(2,3-b)acridine-7,14-dione.

CI 46500; CI 73900; CI Pigment Red 122; CI Pigment Violet 19; Cinquasia B-RT 796D; Cinquasia Red; Cinquasia Red B; Cinquasia Red Y; Cinquasia Red Y-RT 759D; Cinquasia Violet; Cinquasia Violet R; Cinquasia Violet R-RT 791D; Dark violet; E 3B Red; EINECS 213-879-2; Fastogen Super Red YE; Fastogen Super Red BN; Hostaperm Red E 5B; Hostaperm Red Violet ER; Hostaperm Red Violet ER 02; HSDB 6136; Linear quinacridone; Linear trans quinacridone; Monastral Red; Monastral Red B; Monastral Red Y; Monastral Violet 4R; Monastral Violet R; Monastrol Red Y; NSC 316165; Paliogen Red BG; Permanent Magenta; Permanent Red E 3B; Permanent Red E 5B; Pigment Pink Quinacridone S; Pigment Quinacridone Red; Pigment Violet 19; Pigment Violet Quinacridone; PV Fast Red E 5B; PV Fast Red E 3B; Quinacridone; Quinacridone Red; Quinacridone Red MC; Quinacridone Violet; Quinacridone Violet MC; Red E 3B; Sunfast Red 19; Sunfast Violet. Red pigment used by artists. *Daikin Kogyo; Fahlberg-List.*

3247 Quinaldine

91-63-4 8135 G



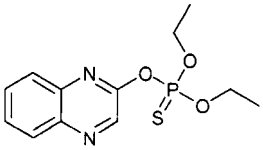
$C_{10}H_9N$

2-Methylquinoline.

5-20-07-00375 (Beilstein Handbook Reference); AI3-11528; BRN 0110309; CCRIS 1155; Chinaldine; EINECS 202-085-1; Khinaldin; 2-Methylchinolin; 2-Methyl-quinoline; NSC 3397; Quinaldine; Quinoline, 2-methyl-. Manufacture of dyes, pharmaceuticals, fine organic chemicals, acid-base indicators. Liquid; mp = -0.8°; bp = 246.5°, d^{25} = 1.06; λ_m = 207, 226, 229, 233, 274, 290, 297, 303, 309, 319 nm (MeOH); insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 1.23 g/kg. *Allchem Ind.*

3248 Quinalphos

13593-03-8 G P



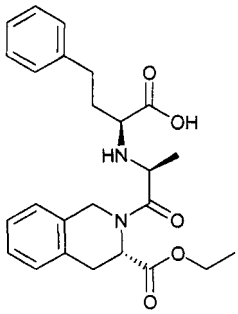
$C_{12}H_{15}N_2O_3PS$

O,O-Diethyl O-2-quinoxalinyl phoshporothioate.

5-23-11-00455 (Beilstein Handbook Reference); AI3-27394; BAY 5821; BAY 77049; Bayer 77049; Bayrusil; BRN 0754823; CCRIS 3398; Chinalphos; Diethquinalphion; Diethquinalphione; O,O-Diäthyl-O-(chinoxalyl-(2))-monothiophosphat; O,O-Diethyl O-(2-chinoxalyl)-phosphorothioate; O,O-Diethyl O-2-quinoxalinyl phosphorothioic acid ester; O,O-Diethyl O-quinoxalin-2-yl phosphorothioate; Ekalux; Ekalux 25EC; ENT 27394; NSC 190986; Phosphorothioic acid, O,O-diethyl O-(2-quinoxalinyl) ester; Quinalphos; Quinaltaf; S-6538; SAN 6538 I; SAN 6626 I; Sandoz 6538; Savall; Spencer S-6538; SRA 7312; Wie oben. Insecticide and acaricide. Crystals; mp = 31 - 32°; $bp_{0.0003}$ = 142° (dec); sg^{20} = 1.235; soluble in H_2O (0.0022 g/100 ml at 24°), C_6H_{14} (25 g/100 ml), freely soluble in C_7H_8, xylene, Et_2O, EtOAc, Me_2CO, CH_3CN, EtOH, MeOH, slightly soluble in petroleum ether; LD_{50} (rat orl) = 71 mg/kg, (rat der) = 1750 mg/kg; LC_{50} (quail 8 day dietary) = 150 mg/kg, (mallard duck 8 day dietary) = 220 mg/kg, (carp 96 hr.) = 2.8 mg/l, (goldfish 96 hr.) = 1 - 10 mg/l; highly toxic to bees. *All-India Medical; Bayer Corp., Agriculture; Bayer Corp.; Novartis; Sandoz; United Phosphorus Inc.*

3249 Quinapril

85441-61-8 8139 D



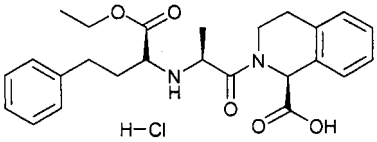
$C_{25}H_{30}N_2O_5$

(S)-2-[(S)-N-[(S)-1-Carboxy-3-phenylpropyl]alanyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid 1-ethyl ester.

Accuretic; Acequide; Koretic; Quinapril; Quinaprilum.; component of: Accuretic; Acequide; Koretic. Angiotensin-converting enzyme inhibitor. Orally active peptidyl-dipeptide hydrolase inhibitor. Antihypertensive. *Parke-Davis.*

3250 Quinapril Hydrochloride

82586-55-8 8139 D



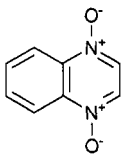
$C_{25}H_{31}ClN_2O_5$

(S)-2-[(S)-N-[(S)-1-Carboxy-3-phenylpropyl]alanyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid 1-ethyl ester monohydrochloride.

Accupril; Accuprin; Accupro; Accupron; Accuretic; Acequide; Acequin; Acuitel; Acuprel; Asig; CI-906; Conan; Continucor; Ectren; Hemokvin; HSDB 7046; Korec; Korectic; Koretic; Lidaltrin; PD-109452-2; Quinapril hydrochloride; Quinazil; component of: Accuretic; Acequide; Korectic. Angiotensin-converting enzyme inhibitor. Antihypertensive. Crystals; mp = 120-130°, 119-121.5°; $[\alpha]_D^{23}$= 14.5° (c = 1.2 EtOH), $[\alpha]_D^{25}$= 15.4° (c = 2.0 MeOH); LD_{50} (mmus orl) = 1739 mg/kg, (mmus iv) = 504 mg/kg, (fmus orl) = 1840 mg/kg, (fmus iv) = 523 mg/kg, (mrat orl) = 4280 mg/kg, (mrat iv) = 158 mg/kg, (frat orl) = 3541 mg/kg, (frat iv) = 107 mg/kg. *Parke-Davis.*

3251 Quindoxin

2423-66-7 D G V



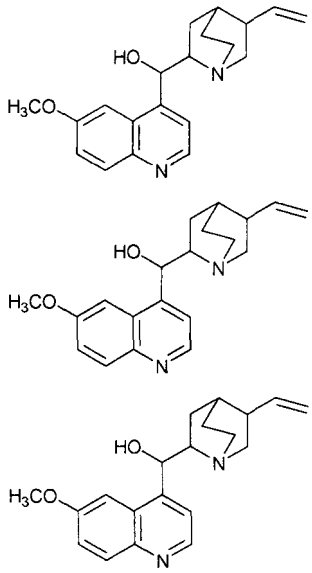
$C_8H_6N_2O_2$

Quinoxaline-1,4-dioxide copper(II) salt.

BAY-Va 9391; Bayo N-Ox; CCRIS 1570; Celbar; Chindoxin; Chinoxalin-1,4-dioxid; EINECS 219-352-3; Grofas; ICI 8173; NSC 21653; NSC 193508; Quindoxin; Quindoxina; Quindoxine; Quindoxinum; Quinoxaline di-N-oxide; Quinoxaline 1,4-dioxide; Quinoxaline 1,4-di-N-oxide; Quinoxaline dioxide; USAF H-1. An antibacterial and growth promoter used in animal husbandry. CAUTION: high degree of phototoxicity and mutagenicity. *Bayer AG.*

3252 Quinine iodo-sulfate

7631-46-1 8152 G



$4HI_3$

$6H_2SO_4$

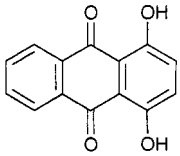
$C_{60}H_{96}I_{12}N_6O_{30}S_6$

Tetraquinine octahydrogen hexaiodide tris(sulphate).

Cinchonan-9-ol, 6'-methoxy-, (8α,9R)-, (hydrogen triiod-ide); EINECS 231-544-9; Herapath's salt; Quinine iodosulfate sulfate (salt) (4:2:3). Used in the manufacture of polarizing glasses and plastics. Olive-green crystals; dec >100°; soluble in H_2O (0.12 g/100 ml 25°, 0.10 g/100 ml 100°), EtOH (2 g/100 ml 76°), AcOH (1.6 g/100 ml 80°); crystals polarize light strongly.

3253 Quinizarin

81-64-1 8156 G



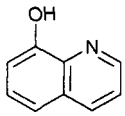
$C_{14}H_8O_4$

1,4-Dihydroxyanthraquinone.

Ai3-17616; 9,10-Anthracenedione, 1,4-dihydroxy-; An-thraquinone, 1,4-dihydroxy-; C.I. 58050; CCRIS 3524; Chinizarin; CI 58050; 1,4-Dihydroxy-9,10-anthracene-dione; 1,4-Dihydroxy-9,10-anthraquinone; 1,4-Di-hydr-oxyanthrachinon; 1,4-Dioxyanthraquinone; 1,4-Doa; EINECS 201-368-7; HSDB 5242; Macrolex Orange GG; NSC 15367; Quinizarin; Quinizarine; Smoke Orange R; Solvent Orange 86. Antioxidant in synthetic lubricants, dyes. Yellow-red crystals; mp = 200°; λ_m = 225, 249, 279325, 450 (ε = 21878, 30903, 10233, 2455, 8511 EtOH); insoluble in H_2O, soluble in organic solvents. *BASF Corp.; Sandoz.*

3254 8-Quinolinol

148-24-3 4869 G



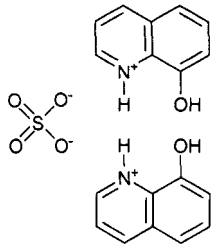
C_9H_7NO

8-Hydroxyquinoline.

5-21-03-00252 (Beilstein Handbook Reference); AI3-00483; 1-Azanaphthalene-8-ol; Bioquin; BRN 0114512; Caswell No. 719; CCRIS 340; 8-Chinolinol; EINECS 205-711-1; EPA Pesticide Chemical Code 059803; Fennosan; Fennosan H 30; Fennosan HF-15; HSDB 4073; 8-Hydroxy-chinolin; 8-Hydroxychinolin; 8-Hydroxy-quinoline; Hydroxy quinoline; Hydroxybenzopyridine; NCI-C55298; NSC 2039; 8-OQ; o-Oxychinolin; 8-Oxyquinoline; Oxin; Oxine; Oxybenzopyridine; Oxychinolin; Oxyquinoline; Phenopyridine; 8-Quinol; Quinoline, 8-hydroxy-; 8-Quinolinol; Quinophenol; Tumex; USAF EK-794. Use for precipitating and separating metals, preparation of fungicides, chelating agent, disinfectant. Needles; mp = 75.5°; bp = 267°; λ_m = 243, 318 nm (cyclohexane); insoluble in H_2O, Et_2O, soluble in Me_2CO, alkali, acid, very soluble in EtOH, C_6H_6, $CHCl_3$; LD_{50} (mus ip) = 48 mg/kg. *Penta Mfg.; Spectrum Chem. Manufacturing; Tanabe Seiyaku Co. Ltd.; Tanabe U.S.A. Inc.*

3255 Quinosol

134-31-6 4869 G



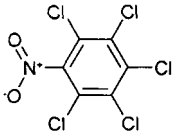
$C_{18}H_{14}N_2O_2.H_2SO_4.H_2O$

8-Quinolinol sulfate monohydrate.

Aci-Jel; AI3-03968; Albisal; Bis(8-hydroxyquinolinium) sulphate; Caswell No. 719B; CCRIS 4659; Chinosol; Cryptonol; EINECS 205-137-1; EPA Pesticide Chemical Code 059804; Happy; 8-Hydroxy-chinolin-sulfat; 8-Hydroxyquinoline sulfate; Khinozol; Octofen; Oxine sulfate; Oxyquinoline sulfate; 8-Quinolinol, hydrogen sulfate (2:1); 8-Quinolinol sulfate; 8-Quinolinol, sulfate (2:1) (salt); Quinosol; Quinosol Extra; Solfato di 8-ossichinolina; Solvochin-Extra; Sunoxol; Superol. The potassium salt of oxyquinoline sulfate; used as an antiseptic. mp = 177.5°; λ_m = 242, 253, 309, 318 nm (ε = 62800, 43900, 3810, 3730, MeOH); very soluble in H_2O, soluble in EtOH, insoluble in Et_2O.

3256 Quintozene

82-68-8 8172 G P



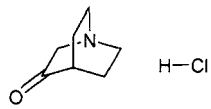
$C_6Cl_5NO_2$

Pentachloronitrobenzene.

101 brand PCNB 75 Wettable; 4-05-00-00728 (Beilstein Handbook Reference); AI-23024; AI3-23024; Avicol; Avicol (pesticide); Batrilex; Benzene, nitropentachloro-; Benzene, pentachloronitro-; Botrilex; Brassicol; Brassicol 75; Brassicol super; BRN 1914324; Caswell No. 640; CCRIS 495; Chinozan; Earthcide; EINECS 201-435-0; EPA Pesticide Chemical Code 056502; Fartox; Folosan; Fomac 2; Fungiclor; GC 3944-3-4; Gustafson Terraclor 80% Dust Concentrate; HOE 026014; HSDB 1749; KOBU; KOBUKP 2; Kobutol; KP 2; Liro-PCNB; Marisan forte; NCI-C00419; Nitropentachlorobenzene; NSC 58427; Olin Terraclor 75% Wettable Powder; Olin Terraclor 90% Dust Concentrate; Olin Terraclor Technical Grade PCNB 99% Soil Fungicide; Olpisan; Pcnb 100; Pcnb Technical Material for Manufacturing Purposes Only; PCNB; Pentachlornitrobenzol; Pentachloronitrobenzene; Pentachloronitrobenzol; Pentagen; Phomasan; PKhNb; Quinosan; Quintobenzene; Quintocene; Quintozen; Quintozene; RCRA waste number U185; RTU 1010; Saniclor 30; Technical Grade PCNB 95%; Terrachlor; Terraclor; Terraclor 30 G; Terrafun; Terrazan; Tilcarex; Tri-pcnb; Tritisan. Registered by EPA as a fungicide. Seed and soil-fungicide used for control of fungal diseases in fruits and vegetables. Pale yellow crystals; mp = 144°; bp = 328° (dec); d^{25} = 1.718; insoluble in H_2O (0.000044 g/100 ml), soluble in EtOH (1.6 g/100 ml) and other organic solvents; LD_{50} (rat orl) > 12000 mg/kg aqueous suspension, (mrat orl) = 1710, (frat orl) = 1650 mg/kg in maize oil, (rat ip) ■ 5000 mg/kg, nonlethal to golden orfe or rainbow trout at 1.2 mg/l over 96 hr.; non-toxic to bees. *Amvac Chemical Corp.; Bos Chemicals Ltd.; ICI Chem. & Polymers Ltd.; Rhône-Poulenc; Scotts Co.; Uniroyal; Wilbur Ellis Co.*

3257 3-Quinuclidinone hydrochloride

1193-65-3 G



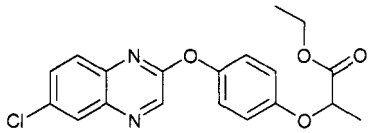
$C_7H_{12}ClNO$

1-Azabicyclo [2.2.2] octan-3-one hydrochloride.

1-Azabicyclo(2.2.2)octan-3-one, hydrochloride; EINECS 214-776-5; NSC 91498; Quinuclidin-3-one hydro-chloride; 3-Quinuclidinone hydrochloride. *Janssen Chimica; Lancaster Synthesis Co.*

3258 Quizalofop-ethyl

76578-14-8 8178 G P



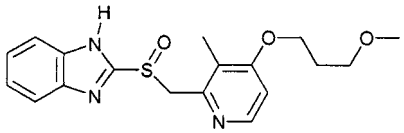
$C_{19}H_{17}ClN_2O_4$

2-[4-[(6-Chloro-2-quinoxalinyl)oxy]phenoxy]propanoic acid ethyl ester.

Assure; Caswell No. 215D; 2-(4-((6-Chloro-2-quinoxalinyl)oxy)phenoxy)propanoic acid ethyl ester; DPX-Y 6202; EPA Pesticide Chemical Code 128201; Ethyl 2-(4-(6-chloro-quinoxalin-2-yl-oxy)phenoxy)propan-oate; Ethyl 2-(4-(6-chloro-2-quinoxalyloxy)phenoxy)-propionate; Ethyl 2-(4-(6-chloro-2-quinoxalinyloxy)-phenoxy)propanoate; EXP-3864; FBC-32197; INY-6202; NC 302; NCI 96683; Pilot; Propanoic acid, 2-(4-((6-chloro-2-quinoxalinyl)oxy)phenoxy)-, ethyl ester; Quino-fop-ethyl; Quizalofop ethyl ester; Quizalofop-Et; Quiz-alofop-ethyl; Targa; Xylofop-ethyl. Post-emergence herbicide used for control of grasses in broad-leaved crops. Selective herbicide for control of grasses in mustard, rape and beet crops. Registered by EPA as a herbicide. Crystals; mp = 92-93°; $bp_{0.2}$ = 220°; poorly soluble in H_2O (0.00003 g/100 ml at 20°), soluble in C_6H_6 (29 g/100 ml), xylene (12 g/100 ml), Me_2CO (11 g/100 ml), EtOH (0.9 g/100 ml), C_6H_{14} (0.26 g/100 ml); LD_{50} (mrat orl) = 1670 mg/kg, (frat orl) = 1480 mg/kg, (mmus orl) = 2350

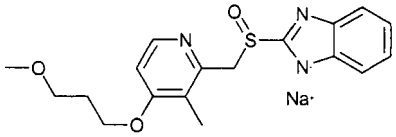
mg/kg, (fmus orl) = 2360 mg/kg, (rat, mus der) > 10000 mg/kg; (mallard duck orl) ■ 200 mg/kg; LC_{580} (rainbow trout 96 hr.) = 10.7 mg/l, (bluegill sunfish 96 hr.) = 0.46 - 2.8 mg/l; non-toxic to bees. *E. I. DuPont de Nemours Inc.; FMC Corp.; Monsanto Co.; Nissan Chem. Ind.; Schering Agrochemicals Ltd.*

3259 **Rabeprazole**
117976-89-3 8181 D



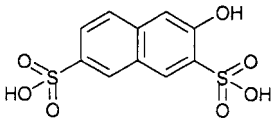
$C_{18}H_{21}N_3O_3S$
2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-sulfinyl]benzimidazole.
1H-Benzimidazole, 2-(((4-(3-methoxypropoxy)-3-methyl-2-pyridinyl)methyl)sulfinyl)-; 2-(((4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazole; Pariprazole; Rabeprazole. Gastric proton pump inhibitor. Antiulcerative. White crystals; mp = 99-100°. *Eisai Co. Ltd.; Eli Lilly & Co.*

3260 **Rabeprazole Sodium**
117976-90-6 8181 D



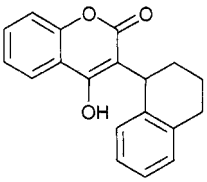
$C_{18}H_{20}N_3NaO_3S$
2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-sulfinyl]benzimidazole sodium salt.
Aciphex; E 3810; LY 307640 sodium; Rabeprazole sodium; Rabeprazole sodium salt. Gastric proton pump inhibitor. Antiulcerative. Crystals; mp = 140-141° (dec). *Eisai Co. Ltd.; Eli Lilly & Co.*

3261 **R-Acid**
148-75-4 6413 G



$C_{10}H_8O_7S_2$
2-Naphthol-3,6-disulfonic acid.
EINECS 205-724-2; 3-Hydroxynaphthalene-2,7-disulph-onic acid; 2-Naphthol-3,6-disulfonic acid; 2,7-Naph-thalenedisulfonic acid, 3-hydroxy-. Used as an azo dye intermediate. The disodium salt is used as a reagent to detect nitrogen dioxide in the air. Solid; mp dec; very soluble in H_2O, EtOH, insoluble in Et_2O.

3262 **Racumin®**
5836-29-3 G P



$C_{19}H_{16}O_3$
2H-1-Benzopyran-2-one, 4-hydroxy-3-(1,2,3,4-tetra-hydro-1-naphthalenyl)-.
Coumetralyl; 2H-1-Benzopyran-2-one, 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthalenyl)-; Coumarin, 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)-; BAY 25634; Bay ene 11183 B; Bayer 25 634; Coumatetralyl; Cumatetralyl; Endox; Endrocid; Endrocide; Ene 11183 B; 4-Hydroxy-3-(1,2,3,4-tetrahydro-1-naftyl)-cumarine; 4-Hydroxy-3-(1,2,3,4-tetrahydro-1-naphthalenyl)-2H-1-benzopyran-2-one; 4-Hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin; 4-Hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)cumarin; 3-(1,2,3,4-Tetrahydro-1-naphtyl)-4-hydroxycoumarine; 3-(α-Tetralinyl)-4-hydroxycoumarin; 3-(α-Tetral)-4-oxycoumarin; 3-(D-Tetralyl)-4-hydroxy-coumarin; 3-(α-Tetralyl)-4-hydroxycoumarin; Rodentin; 3-(1,2,3,4-Tetrahydro-1-naphthyl)-4-hydroxycumarin. A ready-to-use anticoagulant rodenticide. Registered by EPA as a rodenticide. Colorless crystals; mp = 172 - 176°; soluble in H_2O (0.0004 g/100 ml at pH 4.2, 0.002 g/100 ml at pH 5, 0.0425 g/100 ml at pH 7, 0.01 - 0.02 g/100 ml at pH 9), soluble in DMF, alcohols, Me_2CO, slightly soluble in C_6H_6, C_7H_8, Et_2O, CH_2Cl_2 (5 - 10 g/100 ml), i-PrOH (2 - 5 g/100 ml); LD_{50} (rat orl) = 6.5 mg/kg, (mus orl) > 1000 mg/kg, (rat der) = 25 - 50 mg/kg; LC_{50} (rat orl 5 days) = 0.3 mg/kg/day, (hen 8 day dietary) > 50 mg/kg/day, (guppy 96 hr.) = 1000 mg/l. *Bayer Corp., Agriculture.*

3263 **Radia® 7060**
67762-38-3 G

$C_{18}H_{34}O_2$
(Z)-9-octadecenoic acid methyl ester.
(C16-C18) and (C18) Unsaturated alkylcarboxylic acid methyl ester; EINECS 267-015-4; Fatty acids, C16-18 and C18-unsatd, Me esters; SDA 11-010-00. Chemical intermediate, lubricant; chemical synthesis; lubricity improvers in mineral oils; formulation of cutting, lamination, and textile oils; rust inhibitors; textile and leather industry. bp_2 = 168-170°; d^{18}= 0.879; n_D^{26}= 1.4510; soluble in EtOH, Et_2O. *Fina Chemicals.*

3264 **Radia® 7110**
85586-21-6 G

$C_{19}H_{38}O_2$
Methyl stearate.
EINECS 287-824-6; Fatty acids, C16-18, Me esters. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application. Liquid; mp = 38-39°; bp_{15} = 215°; insoluble in H_2O, soluble in organic solvents. *Fina Chemicals.*

3265 **Radia® 7187**
85049-36-1 G

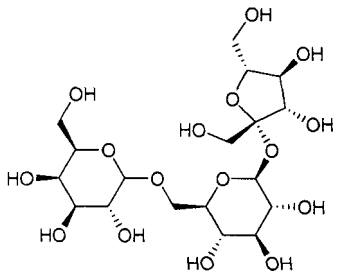
$C_{20}H_{38}O_2$
(Z)-9-octadecenoic acid ethyl ester.
EINECS 285-206-0; Fatty acids, C16-18 and C18-unsatd., Et esters. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application; also as emollient, plasticizer, solubilizer of active components in cosmetics and pharmaceuticals. Oil; bp = 205-208°; d

= 0.87; insoluble in H_2O, soluble in organic solvents. *Fina Chemicals.*

3266 **Radiasurf® 7125**
68154-36-9 G

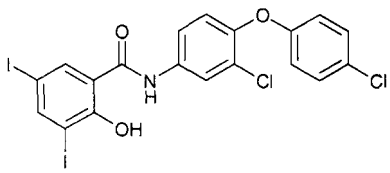
$C_{18}H_{34}O_6$
Sorbitan laurate.
Alkamuls SML; Anhydrosorbitol monococoate; Arlacel 20; Coconut fatty acid, sorbitan ester (1:1); Coconut oil fatty acids, sorbitan monoester; EINECS 268-910-2; Emsorb 2515; Fatty acids, coco, monoesters with sorbitan; Glycomul L; Sorbitan monolaurate; Sorbitan cocoate; Sorbitan monococoate; Span 20. Emulsifier, descouring aid, antistat; anticorrosive agent for pipelines; cleaner for metallic surfaces; superfatting, bodying and antifog aid; pigment dispersant; detergent; emulsion of solvents; Insoluble in H_2O, soluble in organic solvents. *Fina Chemicals.*

3267 **Raffinose**
512-69-6 8188 G



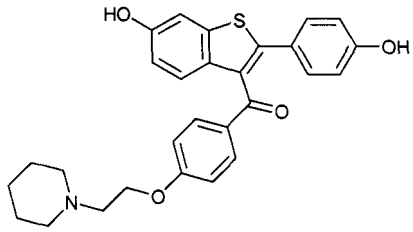
$C_{18}H_{32}O_{16}$
β-D-fructofuranosyl-O-α-D-galactopyranosyl-(1→6)-α-D-glucopyranoside.
AI3-19427; d-(+)-Raffinose; D-Raffinose; EINECS 208-146-9; α-D-Glucopyranoside, β-D-fructofuranosyl O-α-D-galactopyranosyl-(1→6)-; α-D-Glucopyranoside, β-D-fructofuranosyl O-α-D-galactopyranosyl (1 → 6)-, hydrate; Gossypose; Melitose; Melitriose; NSC 170228; Raffinose. A trisaccharide used in bacteriology, in the preparation of other saccharides. The pentahydrate [17629-30-0] has EINECS Number 208-146-9. Crystals; mp = 80°; d^{25} = 1.465; $[\alpha]_D^{20}$ = 105° (c = 4); insoluble in Et_2O, slightly soluble in EtOH, soluble in C_5H_5N, very soluble in MeOH, H_2O (0.14 g/ml).

3268 **Rafoxanide**
22662-39-1 8189 G



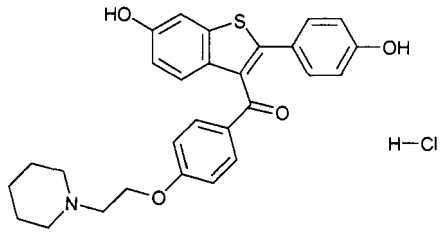
$C_{19}H_{11}Cl_2I_2NO_3$
N-[3-chloro-4-(4-chlorophenoxy)phenyl]-2-hydroxy-3,5-diiodobenzamide.
AI3-29020; Benzamide, N-(3-chloro-4-(4-chlorophen-oxy)phenyl)-2-hydroxy-3,5-diiodo-; Bovanide; BRN 2228187; 3'-Chlor-4'-(4-chlorphenoxy)-3,5-diiodsalicyl-anilid; 3'-Chloro-4'-(p-chlorophenoxy)-3,5-diiodosalicyl-anilide; Disalan; Duofas; EINECS 245-148-9; Flukanide; MK-990; NSC 355278; Rafoxanida; Rafoxanide; Rafoxanidum; Ranide; Ranide, veterinary; Salicylanilide, 3'-chloro-4'-(p-chlorophenoxy)-3,5-diiodo-. Fasciolicide, anthelmintic. Crystals; mp = 168-170°; insoluble in H_2O, soluble in Me_2CO, CH_3CN. *Merck & Co.Inc.*

3269 **Raloxifene**
84449-90-1 8190 D



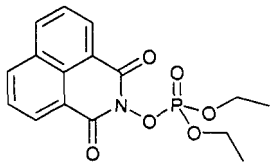
$C_{28}H_{27}NO_4S$
6-Hydroxy-2-(p-hydroxyphenyl)benzo[b]thien-3-yl-p-(2-piperidinoethoxy)phenyl ketone.
CCRIS 7129; Keoxifene; LY-139481; Raloxifene; Raloxifeno; Raloxifenum. Antiosteoporotic; antiestro-genic. Used to treat osteoporosis. Crystals; mp = 143-147°; λ_m = 290 nm (ε 34000 EtOH). *Eli Lilly & Co.*

3270 **Raloxifene hydrochloride**
82640-04-8 8190 D



$C_{28}H_{28}ClNO_4S$
6-Hydroxy-2-(p-hydroxyphenyl)benzo[b]thien-3-yl-p-(2-piperidinoethoxy)phenyl ketone hydrochloride.
Evista; Keoxifene hydrochloride; LY 156758; Raloxifene hydrochloride. Nonsteroidal estrogen receptor mixed agonist-antagonist. Antiestrogen; used to treat osteo-porosis. Solid; mp = 258°; λ_m = 286 nm (ε 32800 EtOH). *Eli Lilly & Co.*

3271 **Rametin**
1491-41-4 6380 G V

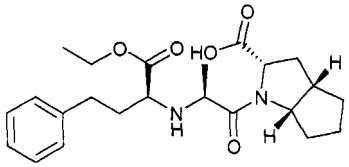


$C_{16}H_{16}NO_6P$
2-[(Diethoxyphosphinyl)oxy]-1H-benz[de]isoquinoline-1,3(2H)-dione.
AI3-25567; B-9002; BAY 9002; Bayer 9002; Bayer 25820; Bayer S940; 1H-Benz(de)isoquinoline-1,3(2H)-dione, 2-((diethoxyphosphinyl)oxy)-; BRN 1551429; Caswell No. 495AA; Chemagro B-9002; N-(Diethoxy-phosphinoyloxy)-1,8-naphthalindicarboximid; O,O-Di-ethyl N-hydroxynaphthalimide phosphate; E 9002; EINECS 216-078-6; ENT 25,567; EPA Pesticide Chemical Code 204100; N-Hydroxynaphthalimide diethyl phos-

phate; Maretin; Naftalofos; Naftalofosum; Naphthalimide, N-hydroxy-, diethyl phosphate; Naphthalophos; NSC 229795; Phosphoric acid, diethyl ester, N-naphthalimide deriv.; Phtalophos; Rametin; Rawetin; S-940. A proprietary preparation of naphthalophos; a veterinary anthelmintic. Brown crystals; mp = 174-179°; insoluble in H_2O, sligthyl soluble in EtOH, Et_2O, C_6H_6, Me_2CO. *Bayer AG.*

3272 Ramipril

87333-19-5 8139 D



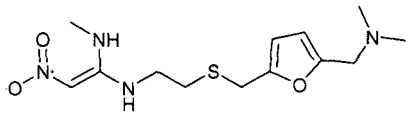
$C_{23}H_{32}N_2O_5$

(2S,3aS,6aS)-1-[(S)-N-[(S)-1-Carboxy-3-phenylpropyl]-alanyl]octahydrocyclopenta[b]-pyrrole-2-carboxylic acid.

Acovil; Altace; Carasel; Cardace; Delix; HOE-498; Hytren; Lostapres; Pramace; Quark; Ramace; Ramipril; Ramiprilum; Triatec; Tritace; Unipril; Vesdil. Angiotensin-converting enzyme inhibitor. Used to treat hypertension. Orally active peptidyldipeptide hydrolase inhibitor. Crystals; mp = 109°; $[\alpha]_D^{24}$ = 33.2° (c= 1 0.1N ethanolic HCl); LD_{50} (mmus iv) = 1194 mg/kg, (mmus orl) = 10933 mg/kg, (fmus iv) = 1158 mg/kg, (fmus orl) = 10048 mg/kg, (mrat iv) = 687 mg/kg, (mrat orl) > 10000 mg/kg, (frat iv) = 608 mg/kg, (frat orl) > 10000 mg/kg. *Hoechst Roussel Pharm. Inc.*

3273 Ranitidine

66357-35-5 8198 D



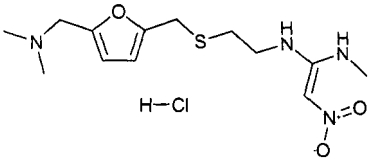
$C_{13}H_{22}N_4O_3S$

N-[2-[[5-[(Dimethylamino)methyl]furfuryl]thio]ethyl]-N'-methyl-2-nitro-1,1-ethenediamine.

Achedos; Acidex; Atural; Axoban; Coralen; Curan; Duractin; EINECS 266-332-5; Ezopta; Gastrial; Gastrosedol; HSDB 3925; Istomar; Logast; Mauran; Microtid; Ptinolin; Quantor; Quicran; Radinat; Randin; Ranidine; Ranin; Raniogas; Ranisen; Raniter; Ranitidina; Ranitidine; Ranitidinum; Ranitiget; Rantacid; Ratic; Raticina; RND; Sampep; Taural; Ul-Pep; Ulceranin; Urantac; Verlost; Vesyca; Vizerul; Weichilin; Weidos; Xanidine; Zantab; Zantadin. Histamine H_2 receptor antagonist; inhibits gastric secretion. Antiulcerative. Crystals; mp = 69-70°. *Glaxo Labs.*

3274 Ranitidine hydrochloride

66357-59-3 8198 D



$C_{13}H_{23}ClN_4O_3S$

N-[2-[[5-[(Dimethylamino)methyl]furfuryl]thio]ethyl]-N'-methyl-2-nitro-1,1-ethenediamine hydrochloride.

AH-19065; Alquen; Alter-H2; Alvidina; Apo-Ranitidin; Artomil; Azantac; Azuranit; CCRIS 5268; Coralen; Digestosan; DRG-0114; EINECS 266-333-0; Ergan; Esofex; Fendibina; Gastridina; Gastrolav; Kuracid; Label; Lake; Logat; Melfax; Mideran; Neugal; Noctone; Noktome; Normon; Novo-Radinine; Nu-Ranit; Pep-Rani; Quadrin; Quantor; Radin; Ran H2; Ran Lich; RAN; Rani 2; Rani AbZ; Rani-BASF; Rani-nerton; Rani-Puren; Rani-Q; Rani-Sanorania; Raniben; Raniberl; Raniberta; Ranibloc; Ranic; Ranicux; Ranidil; Ranidin; Ranidura; Ranifur; Ranigasan; Ranigast; Ranigen; Ranilonga; Ranimerck; Raniplex; Ranisan; Ranitab; Ranitic; Ranitidin; Ranitidin 1A Pharma; Ranitidin AL; Ranitidin Arcana; Ranitidin Atid; Ranitidin AWD; Ranitidin Basics; Ranitidin-Cophar; Ranitidin Duncan; Ranitidin Dyna; Ranitidin Helvepharm; Ranitidin Heumann; Ranitidin Hexal; Ranitidin-Isis; Ranitidin Merck; Ranitidin Millet; Ranitidin NM; Ranitidin Normon; Ranitidin PB; Ranitidin-ratiopharm; Ranitidin Stada; Ranitidin von ct; Ranitidina predilu Grif; Ranitidina Tamarang; Ranitidine hydrochloride; Ranitin; Ranitine; Ranobel; Ranuber; Regalil; Renatac; Rozon; Rubiulcer; Santanol; Serviradine; Sostril; Tanidina; Taural; Terposen; Toriol; Trigger; Ulcecur; Ulcex; Ulcirex; Ulcodin; Ulcolind Rani; Ulcosan; Ulsaven; Ultidine; Viserul; Zandid; Zantac; Zantarac; Zantic. Histamine H_2 receptor antagonist; inhibits gastric secretion. Antiulcerative. Crystals; mp = 133-134°; soluble in H_2O, AcOH; less soluble in EtOH, MeOH; insoluble in organic solvents. *Glaxo Labs.*

3275 Realgar

1303-32-8 804 G

As_2S_2

Arsenic disulfide.

Arsenic disulfide; Arsenic monosulfide; Arsenic orange; Arsenic sulfide (As_2S_2); Arsenic Sulfide Red; Arsino, thioxo-; C.I. 77085; Caswell No. 058; EPA Pesticide Chemical Code 006901; Red algar; Red arsenic; Red arsenic glass; Ruby arsenic; Red orpiment; Ruby sulfur; Thioxoarsino. Red pigment used in the leather industry, paint, pyrotechnics, and taxidermy. Red solid; mp = 320°; bp = 565°; insoluble in H_2O. *Atomergic Chemetals.*

3276 Red lead

1314-41-6 5444 G

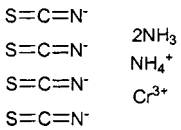
O_4Pb_3

Lead tetroxide.

C.I. 77578; C.I. Pigment Red 105; EINECS 215-235-6; Gold satinobre; Heuconin 5; HSDB 5801; Lead orthoplumbate; Lead oxide; Lead oxide (3:4); Lead oxide (Pb_3O_4); Lead Oxide Red; Lead tetraoxide; Lead tetroxide; Mennige; Mineral Orange; Mineral Red; Minium; Minium Non-Setting RL 95; Minium Red; Orange Lead; Paris Red; Pigment Red 105; Plumboplumbic oxide; Red Lead; Red Lead Oxide; Red Lead Oxide (Pb_3O_4); Sandix; Saturn Red; Trilead tetraoxide; Trilead tetroxide. A pigment, made by heating litharge, PbO. There are several kinds on the market distinguished by their color and amount of lead dioxide they contain; used in storage batteries. Bright red powder; mp = 500° (dec); d = 9.1; insoluble in H_2O, EtOH; LD_{50} (gpg ip) = 220 mg/kg. *National Lead Co.*

3277 Reinecke's salt

13573-16-5 8213 G



$S{=}C{=}N^-$
$S{=}C{=}N^-$
$S{=}C{=}N^-$
$S{=}C{=}N^-$

$2NH_3$
NH_4^+
Cr^{3+}

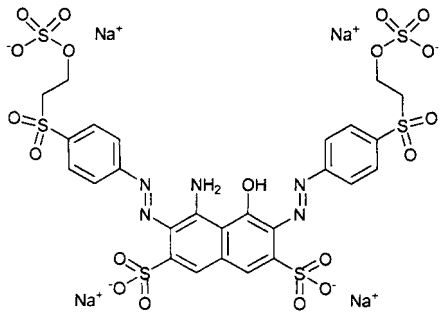
$C_4H_{10}CrN_7S_4$

Chromate(1-), diaminetetrakis(thiocyanato-N)-, ammon-ium, (OC-6-11)-.

AI3-28741; Ammonium diamminetetrakis(thiocyanato-N)chromate(1-); Chromate(1-), diamminetetrakis(thio-cyanato-N)-, ammonium; Chromate(1-), diamminetetra-kis(thiocyanato-N)-, ammonium, (OC-6-11)-; EINECS 237-003-3; Reinecke salt. Produced when ammonium cyanate is melted and ammonium bichromate added; used as a precipitating agent for organic bases and amino acids and as a reagent for mercury. mp = 270° (dec).

3278 Remazol black B

17095-24-8 H



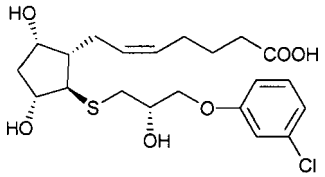
$C_{26}H_{21}N_5Na_4O_{19}S_6$

4-Amino-5-hydroxy-3,6-bis((4-((2-(sulfooxy)ethyl)-sulfon-yl)phenyl)azo)-2,7-naphthalenedisulfonic acid tetra-sodium salt.

4-Amino-5-hydroxy-3,6-bis((4-((2-(sulfooxy)ethyl)-sulfon-yl)phenyl)azo)-; C.I. 20505; C.I. Reactive Black 5; Cav-alite Black B; Celmazol Black B; Diamira Black B; Dri-marene Black R/K 3B; EINECS 241-164-5; Intracron Black VS-B; Levafix Black E-B; Primazin Black BN; Reactive Black 5; Remazol Black B; Remazol Black GF; Sumifix Black B.

3279 Reprodin®

73523-00-9 5631 D G V



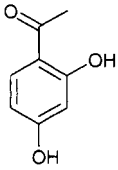
$C_{21}H_{29}ClO_6S$

[1S-[1α(Z),2β(R*), 3α,5α]]-7-[2-[[3-(3-chlorophenoxy)-2-hydroxypropyl]thio]-3,5-dihydroxycyclopentyl]-5-hepten-oic acid.

3,5-Dihydroxycyclopentyl)-, (1α(Z),2β(R*),3α,5α)-; EMD-34946; 5-Heptenoic acid, 7-(2-((3-(3-chlorophenoxy)-2-hydroxypropyl)thio)-; Luprostenol; Luprostiol; Pronilin; Prosolvin. A luteolytic prostaglandin for use with cattle, horses, pigs and sheep. Affects regulation of estrus cycle. *E. Merck.*

3280 Resacetophenone

89-84-9 8225 G



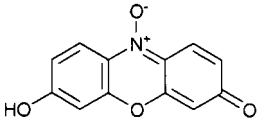
$C_8H_8O_3$

2,4-Dihydroxyacetophenone.

4-08-00-01792 (Beilstein Handbook Reference); 4-Acetylresorcinol; Acetophenone, 2',4'-dihydroxy-; AI3-00866; BRN 1282505; 1-(2,4-Dihydroxyphenyl)ethan-one; 2',4'-Dihydroxyacetophenone; EINECS 201-945-3; Ethanone, 1-(2,4-dihydroxyphenyl)-; NSC 10883; Res-acetophenone; Resoacetophenone; Resorcinol, 4-acetyl-. Reagent specific for iron. Solid; mp = 146°; d^{141} = 1.1800; insoluble in H_2O, soluble in EtOH, TFA, C_5H_5N, AcOH, less soluble in Et_2O, C_6H_6.

3281 Resazurin

550-82-3 8226 G



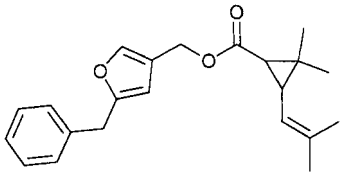
$C_{12}H_7NO_4$

7-Hydroxy-3H-phenoxazin-3-one 10-oxide.

4-27-00-03594 (Beilstein Handbook Reference); Azoresorcin; BRN 0221382; Diazoresorcinol; EINECS 208-987-1; 7-Hydroxy-3H-fenoxazin-3-on-10-oxid; 7-Hydroxy-3H-phenoxazin-3-one 10-oxide; NSC 10438; 3H-Phenoxazin-3-one, 7-hydroxy-, 10-oxide; Resazoin; Resazurin; Resazurine. An acid-base indicator; pH 3.8 orange, pH 6.5 dark violet. Also used in detection of hyposulfite, in food research and in enzymology - as a reductase detector. Dark red crystals; bp sublimes; λ_m = 355, 520 nm (ε = 3981, 7943, pH 4.0), 280, 375, 590 nm (ε = 6310, 3981, 19953, pH 6.0), 283, 375, 585 nm (ε = 6310, 5012, 25119, pH 8.0); insoluble in H_2O, Et_2O, slightly soluble in EtOH, AcOH, soluble in alkali.

3282 Resmethrin

10453-86-8 G P



$C_{22}H_{26}O_3$

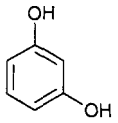
(5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate 2,2-di-meth-yl-3-(2-methylpropenyl)-, (5-benzyl-3-furyl)methyl ester.

AI3-27474; ARI-B; Benzofuroline; (5-Benzyl-3-furyl)methyl-2,2-dimethyl-3-(2-methylpropenyl)-cyclo-propanecarboxylate; 5-Benzyl-3-furyl-methyl-(1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane-carboxylate; 5-Benzyl-3-furylmethyl (±)-cis, trans-chrysanthemate; 5-Benzyl-3-furyl-methyl (1RS)-cis,trans-chrysanthemate; 5-Benzylfurfuryl chrysanthemate; Bioresmethrin (d trans isomer); Bioresmethrin (D-trans isomer); Caswell No. 083E; CCRIS 2501; Chryson; Chrysron; Crossfire; Enforcer; ENT 27474; EPA Pesticide Chemical Code 097801; FMC 17370; For-syn; HSDB 1516; Isathrine; NIA-17370; NRDC 104; NSC 195022; OMS-1206; Penick 1382; Penncapthrin; [5-(phenylmethyl)-3-furanyl]-methyl ester)oxy)imino)-benzeneaceto-nitrile; Premgard; Pynosect; Pyresthrin; Pyretherm; Resmethrin; Resmethrine; Resmetrina; S.B. Penick 1382; SBP-1382; Scourge; Synthrin. Non-systemic insecticide with contact action. Used as a household and garden insecticide and in agricultural premises. Registered by EPA as an insecticide. Colorless crystals; mp = 43 - 48°; sg^{20} = 0.958 - 0.968; insoluble in H_2O (< 0.0001 g/100 ml), soluble in MeOH (6.5 g/100

ml), C_6H_{14} (14.5 g/100 ml), xylene (86 g/100 ml); LD_{50} (rat orl) > 2500 mg/kg, (rbt der) = 2500 mg/kg, (rat der) > 3000 mg/kg; toxic to fish; toxic to bees. *Bonide Products, Inc.; Chase Products Co.; Huntington Professional Products; Quest Chemical Corp.; S.C. Johnson & Son, Co; Scotts Co.; Speer Products Inc.; Sumitomo Corp.; Unicorn Laboratories; Valent Biosciences Corp.; W.F. Young Inc.*

3283 Resorcinol

108-46-3 8240 D G H



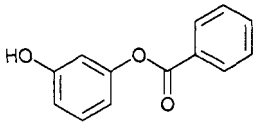
$C_6H_6O_2$

3-Hydroxyphenol.

4-06-00-05658 (Beilstein Handbook Reference); Acnomel; AI3-03996; Benzene, m-dihydroxy-; BRN 0906905; C.I. 76505; C.I. Developer 4; C.I. Oxidation Base 31; Caswell No. 723; CCRIS 4052; Developer O; Developer R; Developer RS; Dihydroxybenzol; Durafur developer G; EINECS 203-585-2; EPA Pesticide Chemical Code 071401; FEMA No. 3589; Fouramine RS; Fourrine 79; Fourrine EW; HSDB 722; 3-Hydroxyphenol; Nako TGG; NCI-C05970; NSC 1571; Pelagol Grey RS; Pelagol RS; Phenol, m-hydroxy-; RCRA waste number U201; Resorcin; Resorcine; Resorcinil; Resorcinolum; Resorzin; Rezamid; Sulforcin; UN2876. Used in the manufacture of resorcinol-formaldehyde resins, dyes, cosmetics, pharm-aceuticals and as a crosslinking agent in the manufacture of neoprene. Used in tanning, manufacture of resins and resin adhesives, explosives, dyes and cosmetics, in dyeing and printing of textiles, as a reagent for zinc and medically, as a keratolytic and antiseborrheic. Crystals; mp = 111°; bp ■ 280°, bp_{16} = 178°; d^{25} = 1.2717; λ_m = 275 nm (MeOH); soluble in H_2O (111.1 g/100 ml at 20°, 500 g/100 ml at 80°), EtOH (111.1 g/100 ml); freely soluble in CCl_4, glycerol; slightly soluble in $CHCl_3$, C_6H_6. *Dermik Labs. Inc.; Galderma Labs Inc.; Menley & James Labs Inc.*

3284 Resorcinol benzoate

136-36-7 G



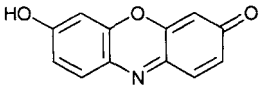
$C_{13}H_{10}O_3$

Resorcinol monobenzoate.

4-09-00-00372 (Beilstein Handbook Reference); 1,3-Benzenediol, monobenzoate; Benzoic acid, m-hydroxyphenyl ester; BRN 1873897; Eastman® Inhibitor RMB; EINECS 205-241-7; 3-Hydroxyphenyl benzoate; NSC 4807; Resorcinol monobenzoate. Industrial grade UV absorber/stabilizer for cellulosic plastics and PVC formulations. White crystalline solid; mp = 133-135°; insoluble in H_2O, C_6H_6, soluble in EtOH, Me_2CO; LD_{50} (rat orl) = 1600 mg/kg. *Eastman Chem. Co.; Monomer -Polymer & Dajac.*

3285 Resorufin

635-78-9 G



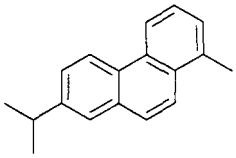
$C_{12}H_7NO_3$

Hydroxyphenazone.

4-27-00-02263 (Beilstein Handbook Reference); BRN 0174850; EINECS 211-241-8; 7-Hydroxyphenoxazin-3-one; 7-Hydroxy-3H-phenoxazin-3-one; NSC 12097; 3H-Phenoxazin-3-one, 7-hydroxy-; Resorufin; Resorufine.

3286 Retene

483-65-8 8245 G



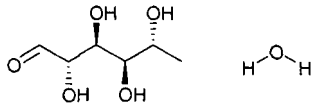
$C_{18}H_{18}$

1-methyl-7-(1-methylethyl)phenanthrene.

AI3-00840; CCRIS 3180; EINECS 207-597-9; 7-Isopropyl-1-methylphenanthrene; 1-Methyl-7-(1-methylethyl)phen-anthrene; 1-Methyl-7-isopropylphenanthrene; NSC 26317; Phenanthrene, 1-methyl-7-(1-methylethyl)-; Phenanthrene, 7-isopropyl-1-methyl-; Reten; Retene. Crystals; mp = 101°; bp = 390°; λ_m = 258, 279, 288, 300, 318 nm (ε ■ 68700, 14700, 11600, 14800, 325, MeOH); insoluble in H_2O (> 1 mg/ml), soluble in EtOH, Et_2O, C_6H_6, CS_2, ligroin, AcOH.

3287 Rhamnose

3615-41-6 8256 G



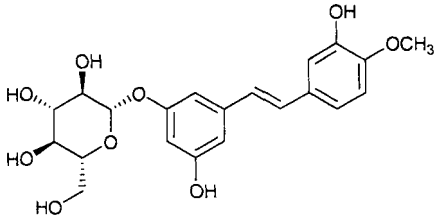
$C_6H_{12}O_5H_2O$

L-(+)-Rhamnose monohydrate.

6-Deoxy-L-mannose; EINECS 222-793-4; FEMA No. 3730; Isodulcit; Isodulcitol; Locaose; Mannomethylose, L-; L-Mannomethylose; L-Mannose, 6-deoxy-; NSC 2056; Rhamnose; L-Rhamnose; Rhamnose, L-. Food sweetener. Crystals; mp = 93-95°; d_4^{20} = 1.4708; $[\alpha]_D^{20}$ = 8° (c = 10 H_2O). *Penta Mfg.*

3288 Rhapontin

155-58-8 8258 G



$C_{21}H_{24}O_9$

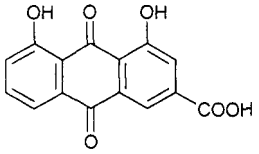
4'-Methoxy-3,3',5-stilbenetriol-3-glucoside.

EINECS 205-845-0; Glucopyranoside, rhapontigenin-3, β-D-; β-D-Glucopyranoside, 3-hydroxy-5-(2-(3-hydroxy-4-methoxyphenyl)ethenyl)phenyl; 3-Hydroxy-5-(2-(3-hydr-oxy-4-methoxyphenyl)ethenyl)phenyl-β-D-glucopyranos-ide; 3-Hydroxy-5-(2-(3-hydroxy-4-methoxyphenyl)-vinyl)-phenyl-β-D-glucopyranoside; NSC 43321; Ponticin; Rhaponticine; Rhapontigenin, 3-β-D-glucopyranoside; Rhapontin. The crystalline substance from the

common English rhubarb. Crystals; mp = 236° (dec); $[\alpha]_D^{22}$ = -59° (Me_2CO); soluble in EtOH, H_2O, Me_2CO, less soluble in other organic solvents.

3289 Rhein

478-43-3 2860 G



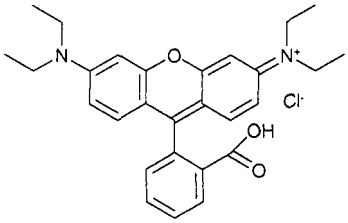
$C_{15}H_8O_6$

9,10-Dihydro-4,5-dihydroxy-9,10-dioxo-2-anthracene-carboxylic acid.

4-10-00-04088 (Beilstein Handbook Reference); 2-Anthracenecarboxylic acid, 9,10-dihydro-4,5-dihydroxy-9,10-dioxo-; 2-Anthroic acid, 9,10-dihydro-4,5-di-hydr-oxy-9,10-dioxo-; BRN 2222155; Cassic acid; CCRIS 5129; Chrysazin-3-carboxylic acid; 9,10-Dihydro-4,5-dihydroxy-9,10-dioxoanthracene-2-carboxylic acid; 9,10-Dihydro-4,5-dihydroxy-9,10-dioxo-2-anthracenecarbox-ylic acid; 1,8-Dihydroxyanthraquinone-3-carboxylic acid; EINECS 207-521-4; Monorhein; NSC 38629; Rheic acid; Rhein; Rhubarb Yellow; 4,5-dihydroxy-2-anthraquinone-carboxylic acid; 1,8-di-hydr-oxy-3-carboxyanthra-quinone. A yellow pigment found in rhubarb root. Yellow needles; mp = 321°; bp suplimes; λ_m = 229, 258, 435 nm (ε 36800, 20100, 11100, MeOH); slightly soluble in H_2O (< 0.1 g/100 ml), EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$, soluble in H_2SO_4, alkali, very soluble in C_5H_5N.

3290 Rhodamine B

81-88-9 8266 G



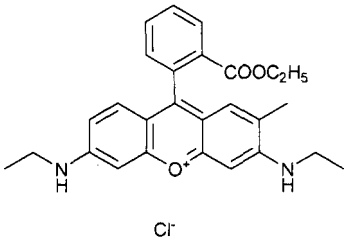
$C_{28}H_{31}ClN_2O_3$

9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride.

11411 Red; Acid Brilliant Pink B; ADC Rhodamine B; Aizen Rhodamine BH; Aizen Rhodamine BHC; Akiriku Rhodamine B; Ammonium, (9-(o-carboxyphenyl)-6-(di-ethylamino)-3H-xanthen-3-ylidene)diethyl-, chloride; Basazol Red 71P; Basic Rose Extract; Basic Rose Red; Basic Violet 10; Basonyl Red 540; Basonyl Red 545; Basonyl Red 545FL; Brilliant Pink B; 9-(2-Carboxy-phenyl)-3,6-bis(diethylamino)xanthylium chloride; 9-o-Carboxyphenyl-6-diethylamino-3-ethylimino-3-isoxanth-ene, 3-; Calcozine Red BX; Calcozine Rhodamine BXP; CCRIS 3985; Cerise Toner X 1127; Certiqual Rhodamine; CI 45170; CI Basic Violet 10; CI Food Red 15; Cogilor Red 321.10; Cosmetic Brilliant Pink Bluish D Conc; D&C Red 19; D&C Red No. 19; Diabasic Rhodamine B; Edicol Supra Rose BS; Edicol Supra Rose B; EINECS 201-383-9; Elcozine Rhodamine B; Eriosin Rhodamine B; Ethanaminium, N-(9-(2-carboxyphenyl)-6-(diethylamino)-3H-xanthen-3-ylidene)-N-ethyl-, Cl; Ethanaminium, N-(9-(2-carboxyphenyl)-6-(diethylamino)-3H-xanthen-3-ylid-ene)-N-e- thyl-, cl; FD&C Red No. 19; Food Red 15; Geranium Lake N; Hexacol Rhodamine B Extra; HSDB 5244; Ikada Rhodamine B; Iragen Red L-U; Mitsui Rhodamine BX; N-(9-(2-Carboxyphenyl)-6-(diethyl-amino)-3H-xanthen-3-ylidene)-N-e-thylethanaminium cl; NSC 10475; Red No. 213; Rheonine B; Rhodamine; Rhodamine B; Rhodamine B 20-7470; Rhodamine B chloride; Rhodamine B Extra S; Rhodamine B Extra; Rhodamine B Extra M 310; Rhodamine B500; Rhodamine B500 hydrochloride; Rhodamine BA; Rhodamine BA Export; Rhodamine BF; Rhodamine BL; Rhodamine, Blue Shade; Rhodamine BN; Rhodamine BS; Rhodamine BX; Rhodamine BXL; Rhodamine BXP; Rhodamine FB; Rhodamine FB CL; Rhodamine Lake Red B; Rhodamine O; Rhodamine S; Rhodamine, tetraethyl-; Sicilian Cerise Toner A-7127; Symulex Magenta F; Symulex Pink F; Symulex Rhodamine B Toner F; Takaoka Rhodamine B; Tetraethyldiamino-o-carboxyphenyl xanthenyl chloride; Tetraethylrhodamine; Violet zasadita 10; Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride. A dyestuff which colors wool and silk bluish-red with fluorescence also tannined cotton, violet-red. mp = 165°; λ_m = 546 nm (ε 72443 EtOH); soluble in H_2O, EtOH; LD_{50} (rat iv) = 89.5 mg/kg.

3291 Rhodamine G

989-38-8 G



$C_{28}H_{31}ClN_2O_3$

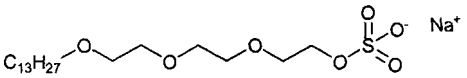
Xanthylium, 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethyl-amino)-2,7-dimethyl-, chloride.

Aizen Rhodamine 6GCP; Basic Red 1; Basic Rhodamine Yellow; Benzoic acid, 2-(6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl)-, ethyl ester, HCl Benzoic acid, o-(6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl)-, ethyl ester, HCl C.I. 45160; C.I. Basic Red 1; C.I. Basic Red 1, monohydrochloride; Calcozine Red 6G; Calcozine Rhodamine 6GX; CCRIS 2388; Cerven zasadita 1; CI 45160; CI Basic Red 1; CI Basic Red 1, monohydrochloride; EINECS 213-584-9; Elcozine Rhodamine 6GDN; Eljon Pink Toner; 9-(2-(Ethoxy-carbonyl)phenyl)-3,6-bis(ethylamino)-2,7-dimethylxanth-ylium chloride; Fanal Pink B; Fanal Pink GFK; Fanal Red 25532; Flexo Red 482; Heliostable Brilliant Pink B Extra; HSDB 4179; Mitsui Rhodamine; Mitsui Rhodamine 6GCP; NCI-C56122; NSC 36345; Nyco Liquid Red GF; Red 169; Rh 6G; Rhodamin 6G; Rhodamine 4GD; Rhodamine 4GH; Rhodamine 590 chloride; Rhodamine 5GDN; Rhodamine 5GL; Rhodamine 6 G extra; Rhod-amine 6 GDN Extra; Rhodamine 6 GDN; Rhodamine 69DN Extra; Rhodamine 6G; Rhodamine 6G; Rhodamine 6G; Rhodamine 6G (biological stain); Rhodamine 6G chloride; Rhodamine 6G Extra; Rhodamine 6G Extra Base; Rhodamine 6G hydrochloride; Rhodamine 6G Lake; Rhodamine 6GB; Rhodamine 6GBN; Rhodamine 6GCP; Rhodamine 6GD; Rhodamine 6GDN; Rhodamine 6GDN Extra; Rhodamine 6GEX ethyl ester; Rhodamine 6GH; Rhodamine 6GO; Rhodamine 6GX; Rhodamine 6JH; Rhodamine 6Zh-DN; Rhodamine 6ZH; Rhodamine 6ZH-DN; Rhodamine 7JH; Rhodamine F 5GL; Rhod-amine F4G; Rhodamine F5G; Rhodamine F5G chloride; Rhodamine GDN; Rhodamine J; Rhodamine Lake Red 6G; Rhodamine Y 20-7425; Rhodamine ZH; Rhodanine 6GDN; Silosuper Pink B; Vali Fast Red 1308; Xanthylium, 9-(2-(ethoxycarbonyl)phenyl)-3,6-bis(ethylamino)-2,7-dimethyl-, chloride; C.I. basic red 1, monohydrochloride; rhodamine 6gex ethyl ester; silosuper pink b; fanal pink gfk; rhodamine f4g; rhodamine 6gb; rhodamine gdn; rhodamine 6 gdn; rhodamine 4gh; rhodamine 6gx; rhodamine lake red 6g; rhodamine y 20-7425; rhodamine zh; rhodamine 6zh. Dyestuffs, consisting chiefly of triethyl-rhodamine; dyes wool, silk, and tannined cotton,

red. Crystals; insoluble in H_2O (<0.1 g/100 ml). *Mitsui Toatsu.*

3292 Rhodapex® 674/C

25446-78-0 G



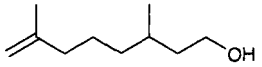
$C_{19}H_{39}NaO_7S$

2-[2-[2-(tridecyloxy)ethoxy]ethoxy]ethanol hydrogen sulf-ate sodium salt.

Sodium trideceth sulfate. Surfactant. *Rhône-Poulenc; Surf.*

3293 Rhodinol

6812-78-8 8269 G



$C_{10}H_{20}O$

S-(-)-3,7-Dimethyl-7-octen-1-ol.

(S)-3,7-Dimethyl-7-octen-1-ol; EINECS 229-887-4; FEMA No. 2980; 7-Octen-1-ol, 3,7-dimethyl-, (3S)-; 7-Octen-1-ol, 3,7-dimethyl-, (S)-; Rhodinol. A terpene alcohol prepared from the oils of rose, geranium, and citronella. It is essentially pure geraniol and is used in perfume manufacture and as a flavoring agent. Oil; bp_{12} = 114-115°; d_4^{20}= 0.8549; $[\alpha]_D^{20}$= -2.9°; λ_m = 186-189 nm (ε 9000); slightly soluble in H_2O, very soluble in EtOH, Et_2O.

3294 Rhodium

7440-16-6 8270 G

Rh

Rh

Rhodium.

EINECS 231-125-0; HSDB 2534; Rh; Rhodium; Rhodium, elemental; Rhodium fume; Rhodium, metal. Metallic element in the platinum group; alloy with platinum for high temperature thermocouples, furnace windings, laboratory crucibles, spinerets for rayon, electrical contacts, jewelry, catalyst, mp = 1966°; d^{20} = 12.41. *Atomergic Chemetals; Degussa AG; Noah Chem.; Sigma-Aldrich Fine Chem.*

3295 Rhodium chloride

10049-07-7 8272 G

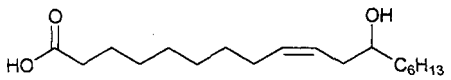
Cl_3Rh

Rhodium(III) chloride.

EINECS 233-165-4; Rhodium chloride; Rhodium chloride ($RhCl_3$); Rhodium trichloride; Rhodium(III) chloride (1:3). Used in manufacture of rhodium trifluoride. Solid; insoluble in H_2O; LD_{50} (rat iv) = 198 mg/kg. *Atomergic Chemetals; Degussa AG; Noah Chem.; Sigma-Aldrich Fine Chem.*

3296 Ricinoleic acid

141-22-0 8295 G



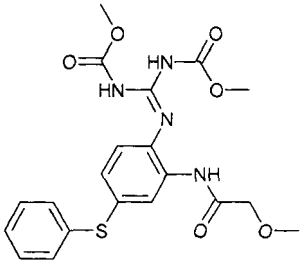
$C_{18}H_{34}O_3$

9-Octadecenoic acid, 12-hydroxy-, [R-(Z)]-.

Acide ricinoleique; l'Acide ricinoleique; AI3-17956; Castor oil acid; D-12-Hydroxyoleic acid; EINECS 205-470-2; HSDB 5634; (9Z,12R)-12-Hydroxy-9-octadecen-saeure; 12-Hydroxy-9-octadecenoic acid; 12-Hydroxy-cis-9-octadecenoic acid; (R-(Z))-12-Hydroxy-9-octadecenoic acid; Kyselina 12-hydroxy-9-oktadecenova; Kysel-ina ricinolova; NSC 281242; 9-Octadecenoic acid, 12-hydroxy-; 9-Octadecenoic acid, 12-hydroxy-, (cis)-; 9-Octadecenoic acid, 12-hydroxy-, (R-(Z))-; 9-Octadecenoic acid, 12-hydroxy-, (Z)-; 9-Octadecenoic acid, 12-hydroxy-, (9Z,12R)-; Oleic acid, 12-hydroxy-; Ricinic acid; Ricinoleic acid; Ricinolic acid. Chemical intermediate; imparts lubricity and rust-proofing to soluble cutting oils; basis for grease, soaps, resin plasticizers, and ethoxylated derivatives. Liquid; mp = 5°; bp_{120} = 245°, bp_{10} = 227°; d^{221} = 0.9450; $[\alpha]_D^{12}$= +5.1° (c = 5 Me_2CO); insoluble in H_2O, very soluble in EtOH, Et_2O. *CasChem.*

3297 Rintal®

58306-30-2 3973 G V



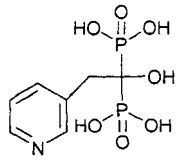
$C_{20}H_{22}N_4O_6S$

[[2-[(methoxyacetyl)amino]-4-(phenylthio)phenyl]carbon-imidoyl]biscarbamic acid dimethyl ester.

BAY Vh5757; BRN 2195764; Carbamic acid, ((2-((methoxyacetyl)amino)-4-(phenylthio)phenyl)carbon-imidoyl)bis-, dimethyl ester; Combotel; Dimethyl ((2-(2-methoxyacetamido)-4-(phenylthio)phenyl)imido-carbon-yl)dicarbamate; Drontal; Drontal Plus; EINECS 261-205-0; Febantel; Febantelum; ((2-((Methoxyacetyl)-amino)-4-(phenylthio)phenyl)carbonimidoyl)bis(carbamic acid), di-methyl ester; N-(2-(2,3-Bis-(methoxycarbonyl)-guanid-ino)-5-(phenylthio)-phenyl)-2-methoxyacetamide; Nega-bot Plus Paste; Oratel; Rintal; Vercom. Broad-spectrum anthelmintic for use in sheep, goat, camels, cattle, horses; veterinary medicine. Used to control strongyles, ascarids and pinworms in horses and intestinal parasites in dogs. Crystals; mp = 129-130°. *Bayer AG.*

3298 Risedronic acid

105462-24-6 8315 D

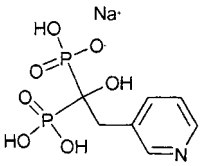


$C_7H_{11}NO_7P_2$

[1-Hydroxy-2-(3-pyridyl)ethylidene]diphosphonic acid.

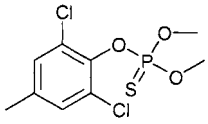
Acide risedronique; Acido risedronico; Acidum risedronicum; NE 58019; Risedronate; Risedronic acid. Calcium regulator, used as a bone resorption inhibitor. *Merck & Co.Inc.; Procter & Gamble Pharm. Inc.*

3299 **Risedronic acid monosodium salt**
115436-72-1 8315 D



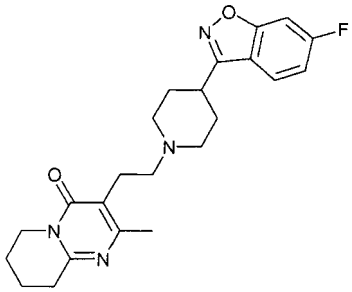
$C_7H_{10}NNaO_7P_2$
Sodium trihydrogen [1-hydroxy-2-(3-pyridyl)ethylidene]-diphosphonate.
Actonel; NE-58095; Risedronate sodium; Risedronic acid monosodium salt. Calcium regulator, used as a bone resorption inhibitor in treatment of osteoporosis. *Merck & Co.Inc.; Procter & Gamble Pharm. Inc.*

3300 **Risolex**
57018-04-9 9587 G P



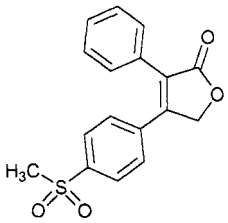
$C_9H_{11}Cl_2O_2PS$
O-(2,6-dichloro-4-methylphenyl) O,O-dimethyl phosph-orothioate.
BRN 2136521; O-(2,6-Dichloro-p-tolyl) O,O-dimethyl ester of phosphorothioic acid; O-(2,6-Dichloro-p-tolyl) O,O-dimethyl thiophosphate; O-(2,6-Dichloro-4-methylphenyl) O,O-dimethyl phosphorothioate; O-2,6-Dichloro-p-tolyl O,O-dimethyl phosphorothioate; O,O-Dimethyl O-(2,6-dichloro-4-methylphenyl)phosphoro-thioate; EINECS 260-515-3; Phosphorothioic acid, O-(2,6-dichloro-4-methylphenyl) O,O-dimethyl ester; Phosphorothioic acid, O-(2,6-dichloro-p-tolyl) O,O-dimethyl ester; Risolex; Rizolex; S-3349; Toclofos-methyl; Tolclofos-methyl. An *organophosphorus* fungicide which gives protection against soil-borne diseases. Colorless crystals; mp = 78 - 80°; poorly soluble in H_2O (0.00003 - 0.00004 g/100 ml at 23°), soluble in Me_2CO (39.5 g/100 ml), $CHCl_3$ (72.5 g/100 ml), cyclohexanone (50.8 g/100 ml), xylene (46.4 g/100 ml), MeOH (4.8 g/100 ml), C_6H_{14} (2.6 g/100 ml); LD_{50} (rat orl) = 5000 mg/kg, (mus orl) = 23500 - 3600 mg/kg, (rat der) > 5000 mg/kg, (rat ip) = 4900 - 5000 mg/kg, (mus ip) = 1070 - 1260 mg/kg, (rat, mus sc) > 5000 mg/kg, (mallard duck, bobwhite quail orl) > 5000 mg/kg; LC_{50} (carp 96 hr.) = 2.13 mg/l. *Schering Agrochemicals Ltd.; Sumitomo Corp.*

3301 **Risperidone**
106266-06-2 8316 D



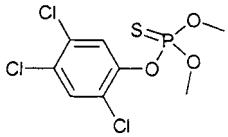
$C_{23}H_{27}FN_4O_2$
3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)piperidino]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyridimin-4-one.
BRN 4891881; R-64766; Risperdal; Risperdal Consta; Risperidona; Risperidone; Risperidonum; Risperin; Rispolept; Rispolin; Sequinan. A combined serotonin and dopamine receptor antagonist, a benzisoxazole anti-psychotic. Antipsychotic. Crystals; mp = 170°; LD_{50} (rat iv) = 29.7 mg/kg, (dog iv) = 14.1 mg/kg, (rat orl), 82.1= mg/kg, (dog orl) = 18.3 mg/kg. *Janssen Pharm. Ltd.*

3302 **Rofecoxib**
162011-90-7 8330 D



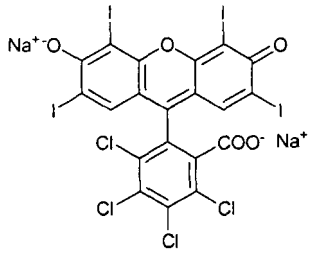
$C_{17}H_{14}O_4S$
4-[4-(Methylsulfonyl)phenyl]-3-phenyl-2(5H)-furanone.
MK 966; Rofecoxib; Vioxx. A COX-2 specific inhibitor used in the treatment of osteoarthritis. Analgesic; anti-inflammatory. Crystals; Sparingly soluble in Me_2CO; slightly soluble in MeOH, isopropyl acetate; very slightly soluble in EtOH; practically insoluble in octanol; insoluble in H_2O. *Merck & Co.Inc.*

3303 **Ronnel**
299-84-3 8415 G P



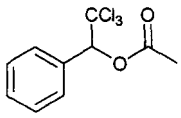
$C_8H_8Cl_3O_3PS$
Dimethyl trichlorophenyl thiophosphate.
4-06-00-00994 (Beilstein Handbook Reference); AI3-23284; Blitex; BRN 1885571; Caswell No. 724; Dermafos; Dermafosu; Dermaphos; Dimethyl (2,4,5-trichlorophenyl) phosphorothionate; O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate; O,O-Dimethyl-O-(2,4,5-trichlorphenyl)-thionophosphat; O,O-Dimethyl O-(2,4,5-trichlorophenyl)thiophosphate; Dow ET 14; Dow ET 57; Ectoral; EINECS 206-082-6; ENT 23,284; EPA Pesticide Chemical Code 058301; ET 14; ET 57; Etrolene; Fenchloorfos; Fenchlorfos; Fenchlorfosu; Fenchlorphos; Fenclofos; Fenclofosum; Gesektin K; HSDB 667; Korlan; Korlane; Moorman's Medicated Rid-Ezy; Nanchor; Nanker; Nankor; NSC 8926; OMS 123; Phenchlorfos; Phenol, 2,4,5-trichloro-, O-ester with O,O-dimethyl phosphorothioate; Phosphorothioic acid, O,O-dimethyl O-(2,4,5-trichlorophenyl) ester; Remelt; Ronnel; Rovan; Smear; Thiophosphate de O,O-dimethyle et de O-(2,4,5-trichlorophenyle); Trichlormetaphos; O-(2,4,5-Trichloor-fenyl)-O,O-dimethyl-monothiofosfaat; Trichlorometafos; O-(2,4,5-Trichlor-phenyl)-O,O-dimethyl-monothiophos-phat; O-(2,4,5-Tricloro-fenil)-O,O-dimetil-monotiofos-fato; Trolene; Trolene 20L; Viozene. Insecticide with systemic action. Used on cattle for the control of ticks, files, maggots, and lice. Solid; mp = 41°; $bp_{0.4}$ = 151-1564°; d^{32} = 1.44; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) = 2630 mg/kg. *Dow UK.*

3304 **Rose bengal sodium**
632-69-9 8343 G



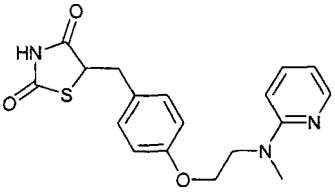
$C_{20}H_2Cl_4I_4Na_2O_5$
4,5,6,7-Tetrachloro-3',6'-dihydroxy-2',4',5',7'-tetraiodo-spiro[isobenzofuran-1(3H),9'[9H]xanthen]-3-one dipotas-sium salt.
Disodium 3,4,5,6-tetrachloro-2-(2,4,5,7-tetraiodo-6-ox-ido-3-oxoxanthen-9-yl)benzoate; EINECS 211-183-3; Flu-orescein, 4,5,6,7-tetrachloro-2',4',5',7'-tetraiodo-, di-sodium salt; Food Red Color No. 105, sodium salt; Food Red No. 105, sodium salt; R105 sodium; Rose bengal disodium salt; Rose bengal sodium; Rose bengale; Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 4,5,6, 7-tetrachloro-3',6'-dihydroxy-2',4',5',7'-tetraiodo-, di-sodium salt; 2,4,5,7-Tetraido(m,p,o',m')tetrachloro-flu-orescein, disodium salt; 4,5,6,7-Tetrachloro-2',4',5',7'-tetraiodofluorescein disodium salt; 9-(3',4',5',6'-Tetra-chloro-o-carboxyphenyl)-6-hydroxy-2,4,5,7-tetraiodo-3-isoxanthone 2Na;.

3305 **Rose ester**
90-17-5 G



$C_{10}H_9Cl_3O_2$
2,2,2-Trichloro-1-phenylethyl acetate.
4-06-00-03049 (Beilstein Handbook Reference); Acetic acid, α-(trichloromethyl)benzyl ester; AI3-02454; Benzenemethanol, α-(trichloromethyl)-, acetate; Benzyl alcohol, α-(trichloromethyl)-, acetate; BRN 2270144; EINECS 201-972-0; NSC 165582; Rosacetol; Rose crystals; Trichlor phenyl methyl carbinyl acetate; Trichloromethyl phenyl carbinyl acetate; α-(Trichloro-methyl)benzyl acetate; α-(Trichloromethyl)benzenemeth-anol acetate; α-(Trichloromethyl)benzyl alcohol acetate;. A rose scent used in the perfumery industry. Liquid; mp = 85-87°. *Bedoukian Research Inc.;* Frutarom; Nipa.

3306 **Rosiglitazone**
122320-73-4 8346 D

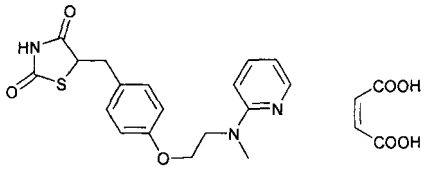


$C_{18}H_{19}N_3O_3S$
(±)-5-[p-[2-(Methyl-2-pyridylamino)ethoxy]benzyl]-2,4-thiazolidinedione.
Avandia; BRL 49653; Rosiglitazone. Antidiabetic; safe if used in combination with metformin hydrochloride. *Bristol-Myers Squibb Pharm. R&D; SmithKline Beecham Pharm.*

3307 **Rosiglitazone maleate**
155141-29-0 8346 D

$C_{22}H_{23}N_3O_7S$
(±)-5-[p-[2-(Methyl-2-pyridylamino)ethoxy]benzyl]-2,4-thiazolidinedione maleate (1:1).
Avandia; BRL 49653-C; Rosiglitazone Maleate. Anti-diabetic; safe if used in combination with metformin hydrochloride. *Bristol-Myers Squibb Pharm. R&D; SmithKline Beecham Pharm.*

3308 **Rosin**



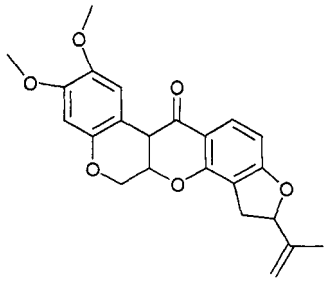
8050-09-7 948, 8347 E H P

Colophony.
BALS 3A; Bandis G100; Caswell No. 667; Colophony; Disproportionated rosin; EINECS 232-475-7; EM 3; EPA Pesticide Chemical Code 067205; Gum rosin; Highrosin; Hongkong rosin WW; KE 709; Rondis R; Rosin; Rosin gum; Rosin WW; Shiragiku rosin; Wood rosin; WW Wood rosin; Yellow resin. Registered by EPA as a fungicide and insecticide. FDA listed, Japan approved, FDA approved for orals. Used as a stiffening agent in orals, ointments and coated and sustained action tablets. Also used in varnishes and paints, printing inks, cements and soaps. Amber translucent solid; mp = 100-150°; d = 0.987 - 0.994; $[\alpha]_D^{20}$ = +1° - +4°; insoluble in H_2O, soluble in EtOH, C_6H_6, Et_2O, AcOH, CS_2, oils. *Akzo Chemie; Arakawa Chem. Ind.; Arizona; Browning; Chemcentral; Cytec; Fluka; Focus; Georgia Pacific; Hercules Inc.; Meer; Natrochem; Punda Mercantile; Spectrum Chem. Manufacturing; Veitsiluoto Oy; Westvaco.*

3309 **Rosin pentaerythritol ester**
8050-26-8 H

Pentaerythritol rosinate.
EINECS 232-479-9; Pentaerythritol ester of rosin; Pentaerythritol rosinate; Resin acids and Rosin acids, esters with pentaerythritol; Rosin, pentaerythritol ester; Rosin, pentaerythritol polymer; Rosin, pentaerythritol resin.

3310 **Rotenone**
83-79-4 8350 G H P

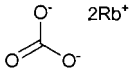


$C_{23}H_{22}O_6$
(2R-(2α,6aα,12aα))-1,2,12,12a-Tetrahydro-8,9-dimeth-oxy-2-(1-methylethenyl)benzopyrano(3,4-b)furo(2,3-h)(1)-benzopyran-6(6aH)-one.
AI3-00133; Barbasco; Canex; Caswell No. 725; CCRIS 895; Cenol

garden dust; Chem-mite; Chem-Fish; Chem-Fish Synergized; Cube extract; Cube-Pulver; Cube root; Cubor; Curex flea duster; Dactinol; Deril; Derrin; Derris; Derris (insecticide); Derris root; Dri-Kil; ENT 133; EPA Pesticide Chemical Code 071003; Extrax; Fish-Tox; Foliafume; Foliafume E.C.; Gerane; Green cross warble powder; Haiari; HSDB 1762; Hydrogenated rotenone; Liquid derris; Mexide; NCI-C55210; Nekoe; Nicouline; Noxfire; Noxfish; NSC 26258; Nusyn; Nusyn-Noxfish; Paraderil; PB-Nox; Powder and root; Prenfish; Prentox; Prentox Synpren-Fish; Pro-Nox fish; Protax; RO-KO; Ronone; Rotacide; Rotacide E.C.; Rotefive; Rotefour; Rotenon; Rotenona [Spanish]; Rotenone; (-)-cis-Rotenone; (-)-Rotenone; 5'-β-Rotenone; Rotenox; Rotenox 5EC; Rotessenol; Rotocide; Synpren; Tubatoxin; tubotoxin. A crystalline material found in the roots of derris, a plant grown in the rubber plantations of the Malay Peninsula; also found in the South American cube plant. It occurs up to 5.5% in derris and up to 7% in cube. Registered by EPA as an insecticide and acaricide. Orthorhombic crystals (dimorphic); mp = 165-166°, 185-186°; $[\alpha]_D^{20}$= -228° (c = 2.22 C_6H_6); slightly soluble in H_2O (0.0015 g/100 ml), readily soluble in Me_2CO, CS_2, EtOAc, $CHCl_3$, moderately soluble in Et_2O, alcohols, CCl_4, petroleum ether; LD_{50} (mus ip) ■ 2.8 mg/kg, (rat orl) = 132 - 1500 mg/kg, (rat iv) = 6 mg/kg, (mus orl) = 350 mg/kg, (hmn orl) = 300 - 500 mg/kg, very toxic to pigs; LC_{50} (rainbow trout 96 hr.) = 0.031 mg/l, (bluegill sunfish 96 hr.) = 0.023 mg/l; non-toxic to bees. *AgrEvo; Amvac Chemical Corp.; Bonide Products, Inc.; Chem-Tech Ltd.; Dragon Chemical Corp.; Earth Care; Farmland Industries Inc.; Foreign Domestic Chemicals Corp.; Green Light Co.; ICI Garden Products; Prentiss Inc.; Rockland Corp.; Speer Products Inc.; Tifa Ltd.; Value Gardens Supply LLC.*

3311 Rubidium carbonate

584-09-8 G



CO_3Rb_2

Carbonic acid rubidium salt.

Carbonic acid dirubidium salt; Dirubidium carbonate; Dirubidium monocarbonate; EINECS 209-530-9; NSC 112222; Rubidium carbonate. Used in the manufacture of special glass formulations. Solid; mp = 837°. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

3312 Rubidium chloride

7791-11-9 8365 G

Rb—Cl

RbCl

Hydrochloric acid rubidium salt.

EINECS 232-240-9; NSC 84273; Rubidium-chlorid; Rubidium chloride; Rubidium chloride (RbCl); Rubidium monochloride. Analysis (testing for perchloric acid), source of rubidium metal. Also used as a gasoline additive and as an antidepressant. Solid; mp = 718°; bp = 1390°; d = 2.8000. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

3313 Rubidium iodide

7790-29-6 8367 D G

Rb—I

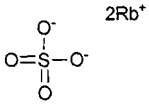
IRb

Iodic acid rubidium salt.

EINECS 232-198-1; Rubidium-iodid; Rubidium iodide; Rubidium iodide (RbI); Rubidium jodatum. Used as a source of iodine. Crystals; mp = 642°, bp ■ 1300°; d = 3.55; soluble in H_2O (150 g/100 ml), EtOH. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

3314 Rubidium sulfate

7488-54-2 G



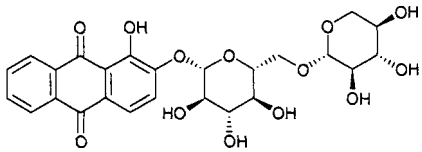
O_4Rb_2S

Sulfuric acid, rubidium salt.

Dirubidium sulfate; EINECS 231-301-7; NSC 84274; Rubidium sulfate; Rubidium sulfate ($Rb_2(SO_4)$); Rubidium sulphate; Sulfuric acid, dirubidium salt. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Noah Chem.*

3315 Rubierythric acid

152-84-1 8361 G



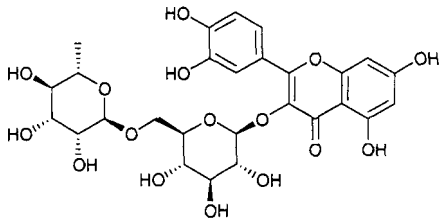
$C_{25}H_{26}O_{13}$

1-Hydroxy-2-[(6-O-β-D-xylopyranosyl-β-D-glucopyran-osyl)oxy]-9,10-anthracenedione.

4-17-00-03462 (Beilstein Handbook Reference); Alizarin primeveroside; BRN 0071586; CCRIS 4531; EINECS 205-808-9; Glucopyranoside, 1-hydroxy-2-anthraquinonyl 6-O-β-D-xylopyranosyl-, β-D-; β-D-1-Hydroxy-2-anthra-quinonyl 6-O-β-D-xylopyranosylglucopyranoside; 1-Hyd-roxy-2-((6-O-β-D-xylopyranosyl-β-D-glucopyran-osyl)-oxy)anthraquinone; Ruberythric acid; Rubianic acid. Crystals; mp = 259-261°; soluble in H_2O, less soluble in organic solvents.

3316 Rutin trihydrate

153-18-4 8383 G



$C_{27}H_{30}O_{16}$

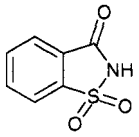
3-[[6-O-(6-Deoxy-α-L-mannopyranosyl)-β-D-glucopyran-osyl]oxy]-2-(3,4-dihydroxyphnyl)-5,7-dihydroxy-4H-1-benzopyran-4-one.

5-18-05-00519 (Beilstein Handbook Reference); AI3-19098; Bioflavonoid; Birutan; Birutan Forte; BRN 0075455; C.I. 75730; CCRIS 7564; EINECS 205-814-1; Eldrin; Flavone, 3,3',4',5,7-pentahydroxy-, 3-(O-rham-nosylglucoside); Globulariacitrin; Globularicitrin; Gluco-pyranoside, quercetin-3 6-O-α-L-rhamnopyranosyl-, β-D; Glucopyranoside, quercetin-3 6-O-(6-deoxy-α-L-manno-pyranosyl)-, β-D-; 3,3',4',5,5',7-Hexahydroxy-flavone (6-O-α-L-rhamnosyl-β-D-glucoside); Ilixanthin; Melin; Myrticolorin; NSC 9220; Osyritrin; Oxyritin; Paliuroside; 3,3',4',5,7-Pentahydroxyflavone-3-rutinoside; Phytomel-in; Quercetin, 3-(6-0-(6-deoxy-α-L-mannopyran-osyl)-β-D-glucopyranoside); Quercetin, 3-

(6-O-α-L-rhamno-pyranosyl-β-D-glucopyranoside); Quercetin rhamno-glucosine; Quercetol 3-rhamnoglucoside; Quercetin 3-rutinoside; Quercetin-3β-rutinoside; Quercetin 3-O-rutinoside; Quercetin 3-O-β-D-rutinoside; 3-Rhamno-glucoside of 3,3',4',5,7-pentahydroxyflavone; 3-Rhamno-glucosylquercetin; 3-Rutinosyl quercetin; Rutabion; Rutin; Rutin trihydrate; Rutine; Rutinic acid; Rutinion acid; Rutinoside, 2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-4-oxo-4H-1-; Rutinoside, quercetin-3, β-; Rutinum; Rutosid; Rutoside; Rutosido; Rutosidum; Rutozyd; Sophorin; Tanrutin; Troxerutin; USAF CF-5; Venoruton; Viola-quercitrin; Vitamin P. Protects capillary structure. Crystals; mp = 214-215° (dec); $[\alpha]_D^{23}$ = 14° (EtOH); insoluble in H_2O, more soluble in polar organic solvents; LD_{50} (mus iv) = 950 mg/kg. *Lederle Labs.*

3317 Saccharin

81-07-2 8390 G H



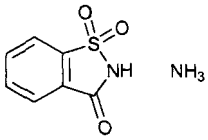
$C_7H_5NO_3S$

1,2-Benzisothiazolin-3-one 1,1-dioxide.

AI3-38107; Anhydro-o-sulfaminebenzoic acid; Benzo-2-sulphimide; Benzoic acid sulfimide; Benzoic sulfimide; Benzoic sulphimide; Benzosulfimide; Benzosulfinide; Benzosulfimide, O-; Benzosulphimide; Benzoylsulfonic Imide; CCRIS 3707; EINECS 201-321-0; Garantose; Glucid; Gluside; Hermesetas; HSDB 669; Insoluble saccharin; Kandiset; Natreen; NSC 5349; RCRA waste number U202; Sacarina; Saccharimide; Saccharin; Saccharin acid; Saccharin and salts; Saccharin insoluble; Saccharina; Saccharine; Saccharinol; Saccharinose; Saccharol; Sacharin; Saxin; Sucre edulcor; Sucrette; Sulfobenzimide, O-; Sweeta; Sykose; Zaharina. Non-nutritive sweetener (500 times sweeter than cane sugar), organic compound; noncaloric, pharmaceutic aid; in formulations for electroplating bath brighteners. Crystals; mp = 228° (dec); d^{25} = 0.828; soluble in H_2O, EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$, DMSO. *Aisan Chem. Co. Ltd.; Dinoval; Greeff R.W. & Co.; Maruzen Fine Chem.; PMC; Rit-Chem; Spice King.*

3318 Saccharin ammonium

6381-61-9 H



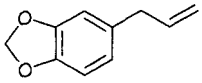
$C_7H_8N_2O_3S$

Ammonium 1,2-benzisothiazolin-3-one 1,1-dioxide.

Ammonium 1,2-benzisothiazolin-3-one 1,1-dioxide; Ammonium O-benzosulfimide; Ammonium saccharin; 1,2-Benzisothiazolin-3-one, 1,1-dioxide, ammonium salt; Daramin; EINECS 228-971-8; Saccharin ammonium; Saccharinate ammonium.

3319 Safrole

94-59-7 8395 G



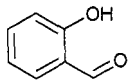
$C_{10}H_{10}O_2$

5-(2-propenyl)-1,3-benzodioxole.

5-19-01-00553 (Beilstein Handbook Reference); 5-Allyl-1,3-benzodioxole; Allylcatechol methylene ether; Allyldioxybenzene methylene ether; 1-Allyl-3,4-methylenedioxybenzene; m-Allylpyrocatechin methylene ether; Allylpyrocatechol methylene ether; 4-Allyl-pyrocatechol; 4-Allylpyrocatechol formaldehyde acetal; AI3-00514; Benzene, 1,2-methylenedioxy-4-allyl-; Benz-ene, 4-allyl-1,2-(methylenedioxy)-; 1,3-Benzo-dioxole, 5-(2-propenyl)-; 1,3-Benzodioxole, 5-allyl-; BRN 0136380; Caswell No. 729; CCRIS 553; EINECS 202-345-4; EPA Pesticide Chemical Code 097901; HSDB 2653; 1,2-Methylenedioxy-4-allylbenzene; 3,4-(Methylenedioxy)-allylbenzene; NSC 11831; 5-(2-Propenyl)-1,3-benzo-dioxole; RCRA waste no. U203; RCRA waste number U203; Rhyuno oil; Safrene; Safrol; Safrole; Sassafras; Shikimole; Shikomol. The methylene ether of allyl-pyrocatechol, It is the chief constituent of oil of sassafras, and is obtained from red oil of camphor; used in the place of oil of sassafras, in perfumes, soaps, and medicine. Oil; mp = 11°; bp = 234.5°; d^{20} = 1.1000; λ_m = 236, 285 nm (ε = 4169, 3802, EtOH); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$; LD_{50} (rat orl) = 1750 mg/kg. *Dr. Ehrenstorfer GmbH; Protocol Analytical Supplies; SanhuiPerfume Chemical Co. Ltd.*

3320 Salicylaldehyde

90-02-8 8405 G H



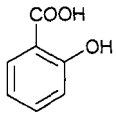
$C_7H_6O_2$

o-Hydroxybenzaldehyde.

4-08-00-00176 (Beilstein Handbook Reference); AI3-02174; Benzaldehyde, 2-hydroxy-; Benzaldehyde, o-hydroxy-; BRN 0471388; CCRIS 7451; EINECS 201-961-0; FEMA No. 3004; HSDB 721; NSC 49178; o-Formylphenol; o-Hydroxybenzaldehyde; SAH; Salicylal; Salicylaldehyde; Salicylic aldehyde. Used in analytical chemistry, perfumery, synthesis of coumarin, as an auxiliary fumigant and in flavoring. Oil; mp = -7°; bp = 197°; d^{20} = 1.1674; λ_m = 259, 328 nm (cyclohexane); very soluble in EtOH, Et_2O, Me_2CO, C_6H_6, less soluble in $CHCl_3$, H_2O; MLD (rat sc) ◘ 900 - 1000 mg/kg. *Janssen Chimica; Penta Mfg.; Seimi Chem.*

3321 Salicylic acid

69-72-7 8411 D G P



$C_7H_6O_3$

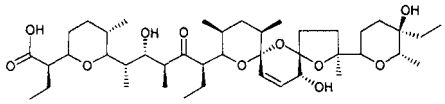
2-Hydroxybenzoic acid.

4-10-00-00125 (Beilstein Handbook Reference); Acido o-idrossibenzoico; Acido salicilico; Acidum salicylicum; Advanced Pain Relief Callus Removers; Advanced Pain Relief Corn Removers; AI3-02407; Benzoic acid, 2-hydroxy-; BRN 0774890; Caswell No. 731; CCRIS 6714; Clear away Wart Remover; Compound W; Domerine; Dr. Scholl's Callus Removers; Dr. Scholl's Corn Removers; Dr. Scholl's Wart Remover Kit; Duofil Wart Remover; Duofilm; Duoplant; EINECS 200-712-3; EPA Pesticide Chemical Code 076602; Fostex; Fostex Medicated Bar and Cream; Freezone; HSDB 672; Ionil; Ionil-Plus; Keralyt; Kyselina 2-hydroxybenzoova; Kyselina salicylova; NSC 180; Orthohydroxybenzoic acid; Pernox; Phenol-2-carboxylic acid; Psoriacid-S-stift; Retarder W; Rutranex; Salicylic acid; Salicylic Acid & Sulfur Soap; Salicylic Acid collodion; Salicylic Acid Soap; Saligel; Salonil; Sebucare; Sebulex; Solarcaine First Aid Spray; Stri-Dex; Verrugon; 51; 171; 311; 334; 337; 380; k537; k557. Registered

by EPA as an antimicrobial, fungicide and insecticide (cancelled). Aromatic acid; preservative for foods; used in manufacture of methyl salicylate, acetylsalicylic acid, dyestuffs, etc., as a reagent in analytical chemistry; a topical keratolytic agent. Used as a synthetic intermediate. Crystals; mp = 157-159°; bp20 = 211°; d^{20} = 1.443; soluble in H_2O (0.22 g/100 ml), boiling H_2O (6.7 g/100 ml), EtOH (37 g/100 ml), Me_2CO (33.3 g/100 ml), $CHCl_3$ (2.4 g/100 ml), Et_2O (33.3 g/100 ml), C_6H_6 (0.74 g/100 ml), oil turpentine (1.9 g/100 ml), glycerol (1.67 g/100 ml); LD_{50} (mus iv) = 500 mg/kg. *Bayer AG; Galderma Labs Inc.; Nippon Shinyaku Japan; Schering-Plough Pharm.; Sterling Health U.S.A.; Stiefel Labs Inc.; Westwood-Squibb Pharm. Inc.; Whitehall-Robins.*

3322 Salinomycin

53003-10-4 8415 G V



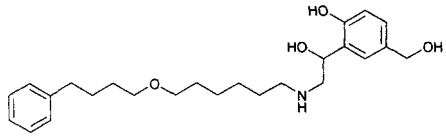
$C_{42}H_{70}O_{11}$

Salinomycin.

AHR 3096; Bio-cox; Coxistac; EINECS 258-290-1; HSDB 7032; K 364; Salinomicina; Salinomycin; Salinomycine; Salinomycinum. An ionophorous antibiotic used as an anticoccidial agent in poultry. Used in veterinary medicine as an anticoccidial agent. Crystals; mp = 112.5-113.5°; $[\alpha]^{25}_D$ = -63° (c = 1, EtOH); λ_m = 284 nm (ε = 126, EtOH-H_2O, 2:1); LD_{50} (mus orl) = 50 mg/kg. *Pfizer Intl.*

3323 Salmeterol

89365-50-4 8416 D



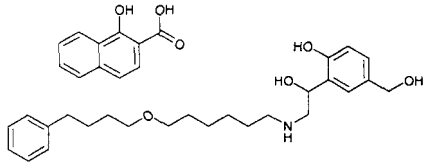
$C_{25}H_{37}NO_4$

(±)-4-Hydroxy-α'-[[[6-(4-phenylbutoxy)hexyl]amino]-methyl]-m-xylene-α,α'-diol.

Aeromax; Astmerole; Benzenedimethanol; GR 33343X; Salmeterol; Salmeterolum; Xylene-α,α'-diol. Structural analog of albuterol. β2-Adrenergic agonist. Ephedrine derivative. Used as a bronchodilator. Crystals; mp = 75.5-76.5°. *Glaxo Labs.*

3324 Salmeterol xinafoate

94749-08-3 8416 D



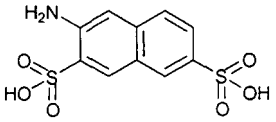
$C_{36}H_{45}NO_7$

(±)-4-Hydroxy-α'-[[[6-(4-phenylbutoxy)hexyl]amino]-methyl]-m-xylene-α,α'-diol 1-hydroxy-2-napthoate (salt).

Arial; Asmerole; Beglan; Betamican; Dilamax; GR-3343G; Inaspir; Salmetedur; Salmeterol xinafoate; Serevent; Serevent Inhaler and Disks; Ultrabeta. Bronchodilator. Crystals; mp = 137-138°; soluble in MeOH; slightly soluble in EtOH, $CHCl_3$, iPrOH; sparingly soluble in H_2O. *Glaxo Labs.*

3325 Salt, Amido-R

92-28-4 401 G



$C_{10}H_9NO_6S_2$

3-Amino-2,7-naphthalenedisulfonic acid.

Amido-R-acid; 2-Amino-3,6-disulfonaphthalene; 2-Aminonaphthalene-3,6-disulfonic acid; 3-Amino-2,7-naphthalenedisulfonic acid; 3-Aminonaphthalene-2,7-disulph-onic acid; Amino-R-acid; EINECS 202-143-6; 2-Naph-thylamine-3,6-disulfonic acid; 2,7-Naphthalenedisulfonic acid, 3-amino-; NSC 5525. Used in manufacture of dyes. Crystals; soluble in H_2O.

3326 Samarium

7440-19-9 8425 G

Sm

Sm

Samarium.

EINECS 231-128-7; Samarium. A rare-earth metallic element; neutron absorber, dopant for laser crystals, metallurgical research, permanent magnets. mp = 1074°; bp = 1794°; d = 7.536. *Atomergic Chemetals; Cerac; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

3327 Samarium oxide

12060-58-1 G

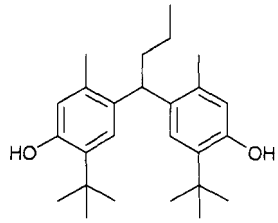
O_3Sm_2

Samaria.

Disamarium trioxide; EINECS 235-043-6; Samaria; Samarium (III) oxide; Samarium oxide; Samarium oxide (Sm_2O_3); Samarium sesquioxide; Samarium trioxide; Samarium(3+) oxide; Samarium(III) oxide. Catalyst in the dehydrogenation of ethanol, infrared-absorbing glass, neutron absorber, preparation of samarium salts. Solid; d = 8.347. *Noah Chem.; Rhône-Poulenc.*

3328 Santowhite

85-60-9 G



$C_{26}H_{38}O_2$

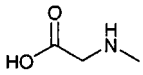
4,4' -Butylidenebis(6-t-butyl-m-cresol).

4-06-00-06807 (Beilstein Handbook Reference); Annulex PBA 15; Antage W300; Anullex PBA 15; BBM; 1,1-Bis(2-methyl-4-hydroxy-5-tert-butylphenyl)butane; 6,6'-Di-tert-butyl-4,4'-butylidenedi-m-cresol; BRN 2016567; 4,4'-Butylidene bis(6-tert-butyl-3-methylphenol); 4,4'-Butyl-idenebis(3-methyl-6-tert-butylphenol); 4,4'-Butylidene-bis(6-tert-butyl-m-cresol); CCRIS 4916; m-Cresol, 4,4'-butylidenebis(6-tert-butyl-; EINECS 201-618-5; HSDB 5250; Noclizer NS 30; NSC 67485; Phenol, 4,4'-butylidenebis(2-(1,1-dimethylethyl)-5-methyl-; Santo-white; Santowhite powder; Sumilit bbm; Sumilizer BBM;

Sumilizer BBM-S; SWP; SWP (antioxidant); Yoshinox BB. Antioxidant for polypropylene, polyethylene, nylon molding powders, and other polymer resins. *DuPont; Great Lakes Fine Chem.; Monsanto Co.*

3329 Sarcosine

107-97-1 8450 G



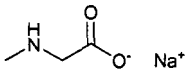
$C_3H_7NO_2$

N-Methylglycine.

4-04-00-02363 (Beilstein Handbook Reference); Acetic acid, (methylamino)-; AI3-15410; BRN 1699442; EINECS 203-538-6; Glycine, N-methyl-; (Methylamino)acetic acid; N-Methylaminoacetic acid; (Methylamino)ethanoic acid; Methylglycine; N-Methylglycine; Methylglycocoll; Sarcosin; Sarcosine; Sarcosinic acid; Sargosine hydrochloride. Used in the synthesis of foaming antienzyme compounds for toothpaste, cosmetics, and pharmaceuticals. mp = 212° (dec); soluble in H_2O (2.8 g/ml). *BASF Corp.; Grace W.R. & Co.; Hampshire; Lancaster Synthesis Co.*

3330 Sarcosine, monosodium salt

4316-73-8 H



$C_3H_6NaNO_2$

Sodium N-methylglycinate.

EINECS 224-338-5; Glycine, N-methyl-, sodium salt; Hamposyl sodium salt; N-Methylglycine, sodium salt; NSC 10480; Sarcosine, monosodium salt.; Sarcosine sodium salt; SARCOSINE; Sodium (methylamino)acetate; Sodium N-methylaminoacetate; Sodium N-methylglycin-ate; Sodium sarcosinate.

3331 Scandium

7440-20-2 8468 G

Sc

Sc

Scandium.

EINECS 231-129-2; Scandium. Metallic element; no major industrial use; some application in semiconductor field; an artificial radioactive isotope has been used in tracer studies and leak detection. mp = 1541; bp = 2836°; d = 2.9890. *Cerac; Rhône-Poulenc;* 3973Atomergic; Cerac; Chemetals; Rhone-Poulenc.

3332 Scandium oxide

12060-08-1 G

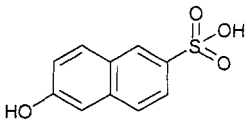
O_3Sc_2

Scandium(III) oxide.

EINECS 235-042-0; Scandia; Scandium oxide; Scandium oxide (Sc_2O_3). Used in preparation of scandium fluoride. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

3333 Schaeffer's acid

93-01-6 6418 G



$C_{10}H_8O_4S$

2-Naphthol-6-sulfonic acid.

4-11-00-00622 (Beilstein Handbook Reference); Armstrong acid; Baum's acid; 2-Hydroxy-6-naph-thalenesulfonic acid; 6-Hydroxy-2-naphthalenesulfonic acid; 6-Hydroxynaphthalene-2-sulphonic acid; BRN 0521151; EINECS 202-209-4; Kyselina 2-naftol-6-sulfonova; Kyselina schaferova; β-Naphthol-6-sulfonic acid; β-Naphtholsulfonic acid S; 2-Naphthol-6-sulfonic acid; 2-Naphthalenesulfonic acid, 6-hydroxy-; 2-Naphtol-6-sulfosaeure; 2-Naphtol-6-sulfosäure; NSC 5871; Schaeffer's β-naphtholsulfonic acid; Schaeffer's acid. Used as an azo dye intermediate. mp = 125°; λ_m = 275, 280, 330 nm (ε = 5012, 5012, 1000, EtOH); soluble in H_2O, EtOH, insoluble in non-polar organic solvents. *Allchem Ind.; Taixing Chemical Co. Ltd.; Uni Impex India.*

3334 Scheibler's reagent

51312-42-6 8739 G

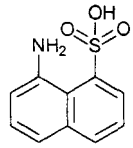
$Na_4O_2.P_2O_5.W_{12}O_{36}.H_{36}O_{18}$

Sodium phosphotungstate.

EINECS 257-132-9; Phosphotungstic acid, sodium salt; Sodium phosphotungstate; Sodium tungsten hydroxide oxide phosphate; Sodium tungstophosphate; Tungstophosphoric acid, sodium salt. Obtained by dissolving 100 g sodium tungstate and 70 g sodium phosphate in 500 ml water, and acidifying with nitric acid; used as a testing reagent for alkaloids.

3335 Schollkopf's acid

82-75-7 6431 G



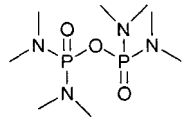
$C_{10}H_9NO_3S$

1-Naphthylamine-8-sulfonic acid.

1-Amino-8-naphthalene sulfonate; 1-Aminonaphthalene-8-sulfonic acid; 8-Aminonaphthalene-1-sulphonic acid; 8-Amino-1-naphthalenesulfonic acid; EINECS 201-437-1; Naphthylaminemonosulfonic acid S; α-Naphthylamine-8-sulfonic acid; 1-Naphthalenesulfonic acid, 8-amino-; 1-Naphthylamine-8-sulfonic acid; NSC 7798; peri Acid. Used in the manufacture of dyestuffs as an azo dye intermediate. Soluble in H_2O (20 mg/100 ml at 20°, 416 mg/100 ml at 100°), freely soluble in AcOH. *Kalpana Chemicals; M/s. Textile Colour and Chemical (Exports).*

3336 Schradan

152-16-9 8471 G



$C_8H_{24}N_4O_3P_2$

Octamethyldiphosphoramide.

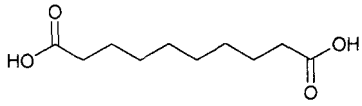
4-04-00-00288 (Beilstein Handbook Reference); AI3-17291; Bis(bisdimethylaminophosphonous)anhydride;

Bis(dimethylamino)phosphonous anhydride; Bis-N,N,N',N'-tetramethylphosphorodiamidic anhydride; BRN 1801375; Caswell No. 610; Diphosphoramide, octamethyl-; EINECS 205-801-0; ENT 17,291; EPA Pesticide Chemical Code 058601; HSDB 1744; Lethalaire G-59; NSC 8929; Octamethyl-difosforzuur-tetramide; Octamethyl-diphosphorsaeure-tetramid; Octamethyl pyrophosphoramide; Octamethyl pyrophosphortetramide; Octamethyl tetramido pyrophosphate; Octamethyl-diphosphoramide; Octamethylpyrophosphoramide; Octa-methylpyrophosphoric acid amide; Octamethylpyro-phosphoric acid tetramide; Octamidophos; Oktamethyl; Oktamidofos; OMPA; Ompacide; Ompatox; Ompax; Ottometil-pirofosforammide; Pestox; Pestox 3; Pestox 66; Pestox III; Pyrophosphoramide, octamethyl-; Pyrophos-phoric acid octamethyltetraamide; Pyrophosphoryl-tetrakisdimethylamide; RCRA waste number P085; Schradan; Schradane; Systam; Systophos; Sytam; Tetrakisdimethylaminophosphonous anhydride.

Insecticide. Oil; mp ■ 14-20°; bp_2 = 154°; d_4^{25} = 1.09; soluble in H_2O, polar organic solvents; LD_{50} (rat orl) = 9.1 mg/kg.

3337 Sebacic acid

111-20-6 8490 G H



$C_{10}H_{18}O_4$

Decanedioic acid.

4-02-00-02078 (Beilstein Handbook Reference); Acide sebacique; AI3-09127; BRN 1210591; CCRIS 2290; Decanedicarboxylic acid; Decanedioic acid; n-Decanedioic acid; 1,10-Decanedioic acid; EINECS 203-845-5; Ipomic acid; NSC 19492; 1,8-Octanedicarboxylic acid; Sebacic acid; Sebacinsaeure; Sebacinsäure; USAF HC-1. Stabilizer; raw material in manufacture of alkyd resins, maleic and other polyesters, plasticizers, polyester rubbers, synthetic polyamide fibers. Leaflets; mp = 130.8°; bp_{100} = 295°, bp_{10} = 232°; d^{20} = 1.2705; soluble in EtOH, Et_2O, slightly soluble in H_2O (0.1 g/100 ml), insoluble in C_6H_6. *Janssen Chimica; Penta Mfg.; Union Camp.*

3338 Selenium

7782-49-2 8505 G

Se

Se

Colloidal selenium.

C.I. 77805; Caswell No. 732; CCRIS 4250; CI 77805; Colloidal selenium; EINECS 231-957-4; Elemental selenium; EPA Pesticide Chemical Code 072001; Gray selenium; HSDB 4493; Selen; Selenate; Selenium; Selenium alloy; Selenium base; Selenium, colloidal; Selenium dust; Selenium elemental; Selenium homopolymer; Selenium, metallic; Selenium powder [Keep away from food]; UN2658; Vandex. A nonmetallic element; electronics, colorant for glass (ceramics), rectifiers, relays, solar batteries. Also used as a vulcanizing agent for rubber. Has three allotropic forms, black, grey and red selenium. [Black selenium]; brown-red liquid; bp = 685°; [red selenium]; mp < 200°; d = 4.46; [gray selenium]; mp = 217°; d = 4.81,. *Appleby Group Ltd;; Asarco; Atomergic Chemetals; Cerac; Shinko Chemical; Vanderbilt R.T. Co. Inc.*

3339 Selenium dioxide

7446-08-4 8508 G

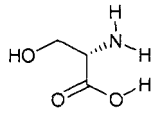
O_2Se

Selenous acid anhydride.

CCRIS 5820; EINECS 231-194-7; HSDB 677; NSC 56753; RCRA waste number U204; Selenious anhydride; Selenium dioxide; Selenium dioxide dimer; Selenium oxide; Selenium oxide (1:2); Selenium oxide (Se_2O_4); Selenium oxide (SeO_2); Selenium(IV) dioxide; Selenium(IV) dioxide (1:2); Selenous acid anhydride. Used in analysis (testing for alkaloids), oxidizing agent, antioxidant in lubricating oils, catalyst. Powder; mp = 340°; d_{15}^{15} = 3.954; soluble in H_2O (38 g/100 ml), less soluble in organic solvents. Aldrich; Atomergic; Cerac; Chem.; Chemetals; Shinko.

3340 L-Serine

56-45-1 8534 G



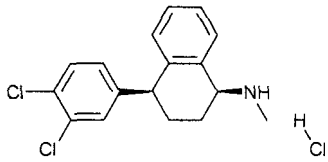
$C_3H_7NO_3$

α-amino-β-hydroxy-propionic acid.

L-serine; (S)-(-)-serine; Ser; S; L-2-amino-3-hydroxypropionic acid; L-(-)-serine; 2-amino-3-hydroxypropionic acid; 3-hydroxyalanine. Naturally occurring enantiomer of serine. Used in biochemical research, as a dietary supplement, in culture media, microbiological tests, feed additive. mp = 228° (dec); $[\alpha]_D^{20}$ = -7° (c = 10.41 H_2O); soluble in H_2O, insoluble in organic solvents. *Degussa AG; Janssen Chimica; Mitsui Toatsu; Nippon Rikagakuyakuhin; U.S. BioChem.*

3341 Sertraline hydrochloride

79559-97-0 8541 D



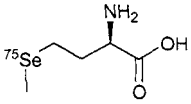
$C_{17}H_{18}Cl_3N$

(1S,4S)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine hydrochloride.

Atruline; Cp-51974-1; Gladem; Lustral; Serad; Sertraline hydrochloride; Tatig; Tresleen; Zoloft. Serotonin uptake inhibitor. Antidepressant. Crystals; mp = 243-245°; $[\alpha]_D^{23}$ = 38° (c ■ 2 MeOH). *Pfizer Inc.; Roerig Div. Pfizer Pharm.*

3342 Sethotope

1187-56-0 G



$C_5H_{11}NO_2{}^{75}Se$

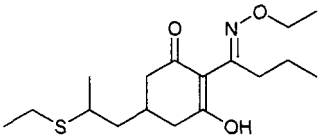
2-Amino-4-(methyl-^{75}Se-seleno)butanoic acid.

(S)-2-Amino-4-(methylselenyl-^{75}Se)butyric acid; Butanoic acid, 2-amino-4-(methylseleno-^{75}Se)-, (S)-; L-Seleno-methionine (^{75}Se); L-Selenomethioninum (^{75}Se); Seleno-methionine ^{75}Se-injection; Selenomethionine ^{75}Se; Selenomethioninum (^{75}Se); Selenometionina (^{75}Se); L-(^{75}Se)-Selenothionine; Sethotope. Selenomethionine ^{75}Se is used as a diagnostic aid and radioactive

imaging agent. Crystals; mp = 265° (dec). Bristol-Myers; Co; Inc; Squibb.

3343 Sethoxydim

74051-80-2 8549 G P



$C_{17}H_{29}NO_3S$

(±)-(EZ)-2-(1-Ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone.

Aljaden; BAS 9052; BAS 9052H; BAS 90520H; BRN 5955471; Caswell No. 072A; Checkmate; 2-Cyclohexen-1-one, 2-(1-(ethoxyimino)butyl)-5-(2-(ethylthio)propyl)-3-hydroxy-; Cyethoxydim; EINECS 277-682-3; EPA Pesticide Chemical Code 121001; (±)-(ZE)-2-(1-Eth-oxyiminobutyl)-5-(2-(ethylthio)propyl)-3-hydroxycyclo-hex-2-enone; 2-(1-(Ethoxyimino)butyl)-5-(2-(ethylthio)-propyl)-3-hydroxy-2-cyclohexen-1-one; 2-(1-(Ethoxy-imino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one; 2-(N-ethoxybutyrimidoyl)-5-(2-ethylthiopropyl)-3-hydroxy-2-cyclohexen-1-one; Expand; Fervinal; Grasidim; Nabu; NABU; NP 55; Poast; Poast 1.5E; Poast plus; Sethoxydim; Sethoxydime; SN 81742; Tritex-extra. Selective systemic herbicide absorbed by foliage, used in control of annual and perennial grasses in broad-leaved crops. Post-emergence graminicide against annual and perennial grasses. Registered by EPA as a herbicide. Odorless oil; $bp_{0.00003}$ > 90°; d^{25} = 1.043; soluble in H_2O (0.0025 g/100 ml), soluble in Me_2CO, C_6H_6, EtOAc, C_6H_{14}, MeOH (all > 80 g/100 ml); LD_{50} (mrat orl) = 3200 mg/kg, (frat orl) = 2676 mg/kg, (mmus orl) = 5600 mg/kg, (fmus orl) = 6300 mg/kg, (rat der) > 5000 mg/kg, (mus der) > 5000 mg/kg, (Japanese quail orl) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 6.28 mg/l air, (trout 96 hr.) = 30 mg/l, (carp 96 hr.) = 1.6 mg/l, (*Daphnia* 3 hr.) = 1.5 mg/l; non-toxic to bees. *BASF Corp.; Bayer AG; Embetec Crop Protection Ltd.; Ewos; Micro Flo Co. LLC; Nippon Soda Co. Ltd.; Nippon Soda; Rhône-Poulenc; Schering; Sipcam.*

3344 Silane

7803-62-5 8562 G

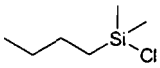
SiH_4

Silicon hydride.

CCRIS 6831; EINECS 232-263-4; Flots 100SCO; HSDB 6351; Monosilane; Silane; Silicane; Silicon tetrahydride; UN2203. Used as a doping agent, source of ultra-pure silicon for electronics fabrication. Gas; mp = -185°; bp = -112°; d^{-185} = 0.68; dec. in H_2O, insoluble in organic solvents.

3345 Silane, butylchlorodimethyl-

1000-50-6 G



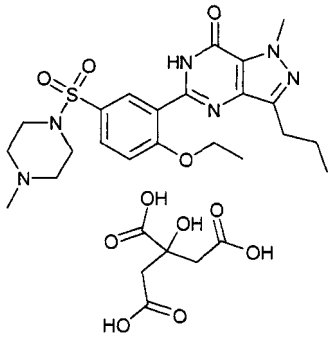
$C_6H_{15}ClSi$

n-Butyldimethylchlorosilane.

CB2785. *Coupling agent*, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 139°; d^{20} = 0.876. *Hüls Am.*

3346 Sildenafil citrate

171599-83-0 8563 D



$C_{28}H_{38}N_6O_{11}S$

1-[[3-(6,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-4-methylpiperazine citrate.

Sildenafil citrate; UK 92480-10; Viagra. A selective inhibitor of cyclic guanosine monophosphate (cGMP)-specific phosphodiesterase type 5 (PDE5), which allows smooth muscle relaxation and inflow of blood to the corpus cavernosum. An oral therapy for erectile dysfunction. Crystals; Soluble in H_2O (3.5 mg/ml). *Pfizer Intl.*

3347 Silica

7631-86-9 8567 G P

SiO_2

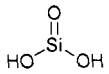
Silicon dioxide.

Acticel; Aerogel 200; Aerosil®; Aerosil® 130; Aerosil® 150; Aerosil® 200; Aerosil® 300; Aerosil® 380; Aerosil® A 300; Aerosil® bs-50; Aerosil®-Degussa; Aerosil® E 300; Aerosil® K 7; Aerosil® M-300; AI3-25549; Amorphous silica; Amorphous silica dust; Amorphous silica gel; Cab-o-sil® L-90; Cab-o-sil® M-5; Cab-o-sil® N-70TS; Cabosil® N 5; Cabosil® st-1; Carplex; Carplex 30; Carplex 80; Caswell No. 734A; CCRIS 3699; Celite superfloss; Chalcedony; CI 7811; Clarcell; Colloidal silicon dioxide; Corasil II; Cristobalite; Diatomaceous earth; Diatomaceous earth, calcined; Diatomaceous silica; Diatomite; Dimethyl siloxanes and silicones; Dri-Die; EINECS 231-545-4; ENT 25,550; EPA Pesticide Chemical Code 072605; Extrusil; Flint; Fossil flour; Fused silica; Glass; Hi-Sil; HK 400; HSDB 682; Hydrophobic silica 2482; Infusorial earth; J Slip NS-77; Krystallos; Ludox hs 40; Manosil vn 3; Micro-cel; Min-U-sil; N1030; Nalco 1050; Nalfloc N 1050; Neosil; Neosyl; Opal; Pigment White 27; Porasil; Positive sol 130M; Positive sol 232; Quartz; Quso 51; Quso G 30; Santocel; Sg-67; Silanox 101; Silica; Silica (SiO_2); Silica 2482, hydrophobic; Silica, amorphous; Silica, amorphous, fumed; Silica, amorphous fused; Silica, colloidal; Silica particles; Silica slurry; Siliceous earth; Siliceous earth, purified; Silicic anhydride; Silicon dioxide; Silicon dioxide (amorphous); Silicon dioxide, chemically prepared; Silicon dioxide, fumed; Silicon oxide; Silikil; Sillikolloid; Siloxid; Sipernat; Snowtex 30; Snowtex O; Superfloss; Syton 2X; Tamsil 8; Tamsil Gold Bond; Tokusil TPLM; Tridymite; U 333; Ultrasil VH 3; Ultrasil VN 3; Vitasil 220; Vulkasil S; Wessalon; White carbon; Zeofree 80; Zipax; Zorbax sil. Highly active filler for natural and synthetic rubber; thickening agent; tabletting and dragee production auxiliary; thixotropizing agent for polyester resins; antisetting agent. Anti-caking and free flow agent with high absorption capacity; for adhesives, food, cosmetics, paint, paper, film, pesticides, pharmaceuticals, plastics, silicone rubber, inks, sealants; a thixotrope for greases and mineral oils. Dispersant,

anticaking agent for foods, agricultural products, and powders for cosmetics and coatings industries. Filler for finishes, enamels, maintenance paints, plastic film antiblocks, urethane rubber, polishes, traffic paint, interior/exterior coatings, maintenance and marine coatings, mastics and adhesives, electrical epoxy compounds and buffing compounds. Registered by EPA as an antimicrobial, fungicide and insecticide. Used in grain protectant insecticides. Refractory white solid; d^0 = 2.2 (for quartz, 2.65; melts to a glass; insoluble in all solvents except HF. *BYK-Chemie; Cabot Carbon Ltd.; Catalysts & Chem. Ind.; Chisso Corp.; Degussa AG; DuPont; Elf Atochem N. Am.; Geltech; Huber J. M.; Nippon Silica Ind.; Nissan Chem. Ind.; PPG Ind.; PQ Corp.; Sybron; Unimin.*

3348 Silica gel

1343-98-2 8564 G

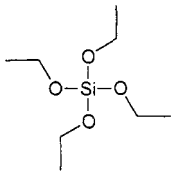


$SiO_2.xH_2O$, x varies with method of precipitation and extent of drying Silica, hydrated.

Akrochem® Rubbersil RS-150/RS-200; Caswell No. 734; Cubosic; EINECS 215-683-2; EPA Pesticide Chemical Code 072602; G 952; H-Ilerit; Hydrosilisic acid; K 320DS; K 60; K 60 (silicate); Mikronisil; Neoxyl ET; Polyorthosilicic acid; Polysilicic acid; Silica acid; Silica gel; Silicic acid; Silicic acid hydrate; Silicon hydroxide; Silton TF 06; Sipernat 17; Sipernat 50; Sipernat 50S; Sipernat D 10; Sipernat S; Sizol 030; Vulcasil S/GR; Zeosil 45. Highly reinforcing filler for use in synthetic and natural rubber compounding, for mechanical rubber goods, tires, adhesives, footwear, soling. Insoluble in H_2O or acids except HF; eye irritant; poison by intravenous route; TLV: TWA 10 mg/m^3. *Akrochem Chem. Co.*

3349 Silicic acid, ethyl ester

11099-06-2 H



$C_8H_{20}O_4Si$

Silicic acid, tetraethylester polymer.

EINECS 234-324-0; Polysilicic acid, ethyl ester; Silicic acid (H_4SiO_4), tetraethyl ester, homopolymer; Silicic acid, ethyl ester; Silicic acid, tetraethylester polymer; Tetraethyl orthosilicate polymer.

3350 Silicon

7440-21-3 8565 G

Si

Si

Silicon.

CCRIS 6599; Defoamer S-10; EINECS 231-130-8; HSDB 5033; Polyeristalline silicon powder; Silicon; Silicon dust; Silicon metal; Silicon powder, amorphous; Silicone; UN1346. Nonmetallic element; Si; semiconductor in solid-state devices; organosilicon compounds; silicon carbide; alloying agent in steels, aluminum, copper, bronze, iron; cermets, refractories; halogenated silanes; deoxidizer in steel manufacture. mp =1410°; d_4^{25}= 2.33; insoluble in H_2O, organic solvents. *Atomergic Chemetals; Cerac; Dow Corning; Eagle-Picher; Pechiney Electrométallurgie; Shin-Etsu Chem.*

3351 Silicon monoxide

10097-28-6 8570 G

OSi

Silicon(II) oxide.

EINECS 233-232-8; Monox; Silicon monoxide; Silylene, oxo-. A product containing mainly silicon monoxide, with some silicon, silicon dioxide, and small quantities of silicon carbide. It is obtained by heating sand with silicon, carborundum, or coke, in the electric furnace; good thermal and electrical insulator. Brown-black scales; d = 2.18; electrical non-conductor.

3352 Silicon nitride

12033-89-5 8571 G

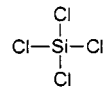
N_4Si_3

Trisilicon tetranitride.

EINECS 234-796-8; Roydazide; Silicon nitride; Silicon nitride (Si_3N_4). A proprietary trade name for silicon nitride; used for the manufacture of turbine blades and generally where a temperature of up to 1650°C is required. Two crystalline forms, α and β; mp = 1900°; d = 3.2. *Doulton.*

3353 Silicon tetrachloride

10026-04-7 8574 G



Cl_4Si

Tetrachlorosilane.

CCRIS 1324; Chlorid kremicity; CT1800; EINECS 233-054-0; HSDB 683; Silane, tetrachloro-; Silicio(tetracloruro di); Silicium(tetrachlorure de); Siliciumtetrachlorid; Siliciumtetrachloride; Silicon chloride; Silicon chloride ($SiCl_4$); Silicon tetrachloride; Tetrachlorosilane; Tetra-
chlorosilicon; Tetrachlorure de silicium; UN1818. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used in generation of smoke screens; manufacture of ethyl silicate, silicones, highpurity silica, fused silica glass; source of silicon, silica, and hydrogen chloride; laboratory reagent. Liquid; mp = -70°; bp = 59°; d^0_4 ■ 1.52; decomposed by H_2O, soluble in organic solvents. *Air Products & Chemicals Inc.; Atomergic Chemetals; Chisso Corp.; Degussa AG; Degussa-Hüls Corp.; Dow Corning; PCR; Union Carbide Corp.*

3354 Silicon tetrafluoride

7783-61-1 8575 G

F_4Si

Tetrafluorosilane.

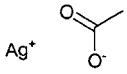
EINECS 232-015-5; HSDB 684; Perfluorosilane; Silane, tetrafluoro-; Silicon fluoride; Silicon fluoride (SiF_4); Silicon tetrafluoride; Tetrafluorosilane; UN1859. Used in manufacture of fluosilicic acid, intermediate in manufacture of pure silicon, to seal water out of oil wells during drilling. Colorless gas; mp = -90°; d^{-80} = 1.590. *Air Products & Chemicals Inc.; Degussa-Hüls Corp.; La Littorale; PCR.*

3355 **Silver**
7440-22-4 8577 D G

Ag

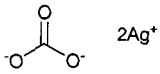
Ag
Silver.
Silver, colloidal. Metallic element; used in manufacture of silver nitrate, etc.; sterilant; water purification; for coinage; manufacture of tableware, jewelry, ornaments; for electroplating; as catalyst; in dental alloys. Registered by EPA as an antimicrobial, fungicide and herbicide. White metal; mp = 960.5°; bp ca. 2000°; d^{15} = 10.49. *Asarco; Cerac; Degussa AG; Handy & Harman; Mariovilla SpA; Sigma-Aldrich Fine Chem.*

3356 **Silver acetate**
563-63-3 8578 G



$C_2H_3AgO_2$
Acetic acid silver salt.
Acetic acid, silver(1+) salt; EINECS 209-254-9; NSC 112212; Silver acetate; Silver monoacetate; Silver(1+) acetate; Silver(I) acetate. Laboratory reagent, oxidizing agent. Crystals; d = 3.26; soluble in H_2O (1-3 g/100ml). *Spectrum Chem. Manufacturing.*

3357 **Silver carbonate**
534-16-7 8580 G



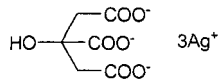
CAg_2O_3
Silver(I) carbonate.
Carbonic acid, disilver(1+) salt; Disilver carbonate; EINECS 208-590-3; Fetizon's reagent; NSC 112223; Silver carbonate; Silver carbonate (2:1); Silver(1) carbonate. Laboratory reagent. Solid; dec 220°; d = 6.08; slightly soluble in H_2O (0.03 g/100 ml), readily soluble in acids, ammonia. *Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

3358 **Silver chloride**
7783-90-6 8582 G P

Ag—Cl

AgCl
Silver(I) Chloride.
Caswell No. 735A; EPA Pesticide Chemical Code 072506; Silver chloride; Silver chloride (AgCl); Silver monochloride. Used in photography, photometry and optics, batteries, photochromic glass, silver plating, production of pure silver, antiseptic. Used as a bactericide. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Light-sensitive white powder; mp = 455°; bp = 1550°; d = 5.56; almost insoluble in H_2O (0.000193 g/100 ml), soluble in conc. HCl (0.4 g/100 ml), 10% NH_4OH (7.7 g/100 ml). *Degussa AG; La Littorale; Noah Chem.; Sigma-Aldrich Co.*

3359 **Silver citrate**
126-45-4 8584 G



$C_6H_5Ag_3O_7$
2-hydroxy-1,2,3-propanetricarboxylic acid silver salt.
EINECS 204-786-8; Itrol; Silver citrate; 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, trisilver(1+) salt; Trisilver citrate. *Anti-infective* dusting powder. Soluble in H_2O (0.29 mg/ml).

3360 **Silver fluoride**
7775-41-9 8587 D G P

Ag—F

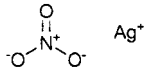
AgF
Silver monofluoride.
Argentous fluoride; Caswell No. 736; EINECS 231-895-8; EPA Pesticide Chemical Code 072502; Lachiol; Silver fluoride; Silver fluoride (AgF); Tachiol. Fluorinating agent, also used as a topical anti-infective. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Used in dentistry as a fluoridation agent. Cubic crystals; mp = 435°; bp = 1150°; d = 5.8520; soluble in H_2O (182 g/100 ml).

3361 **Silver iodide**
7783-96-2 8589 G

Ag—I

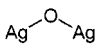
AgI
Silver(I) iodide.
Colloidal silver iodide; EINECS 232-038-0; HSDB 2930; Neosiluol; Neosilvol; Silver iodide; Silver iodide (AgI); Silver monoiodide; Silver(1+) iodide. Used in photography, cloud seeding for artificial rainmaking, laboratory reagent, antiseptic. Solid; mp = 552°; d = 5.67; poorly soluble in H_2O (0.03 mg/l), soluble in ammonia. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

3362 **Silver nitrate**
7761-88-8 8591 D G P



$AgNO_3$
Nitric acid silver salt.
Argenti nitras; Argerol; Caswell No. 737; EINECS 231-853-9; EPA Pesticide Chemical Code 072503; HSDB 685; Lunar caustic; Nitrate d'argent; Nitrato de plata; Nitric acid, silver(1+) salt; Nitric acid silver(I) salt; NSC 135800; Silbernitrat; Silver mononitrate; Silver nitrate; Silver(I) nitrate (1:1); Silver saltpeter; UN1493; UTS Silverator Water Treatment Unit. Photographic film, catalyst for ethylene oxide, indelible inks, silver plating, silver salts, silvering mirrors, germicide, hair dyeing, antiseptic, laboratory reagent. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Has been used to keep cut flowers fresh, but has heavy metal toxicity. An antiseptic and energetic caustic for wounds and sores. White crystals; mp = 212°; d = 4.35; soluble in H_2O (2.5 - 10 g/ml), EtOH, Me_2CO. *Accurate Chem. & Sci. Corp.; Degussa AG; Johnson Matthey; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

3363 **Silver oxide**
20667-12-3 8595 G V



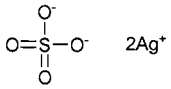
Ag_2O

Silver(I) oxide.

Argentous oxide; Disilver oxide; EINECS 243-957-1; Silver oxide; Silver oxide (Ag_2O); Silver(1+) oxide. Used in polishing glass, coloring glass yellow, catalyst, purifying drinking water, laboratory reagent. Used in veterinary medicine as a germicide and parasiticide. Brown-black powder; dec. 200-300°; d_4^{25}= 7.22; soluble in H_2O (25 mg/l), freely soluble in HNO_3, ammonia; LD_{50} (rat orl) = 2.82 g/kg. *Atomergic Chemetals; Degussa AG; Elf Atochem N. Am.; Spectrum Chem. Manufacturing.*

3364 Silver sulfate

10294-26-5 8603 G



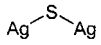
Ag_2O_4S

Sulfuric acid silver salt.

Disilver monosulfate; Disilver sulfate; Disilver(1+) sulfate; Silver sulfate (Ag_2SO_4); Sulfuric acid, disilver(1+) salt; Sulfuric acid silver salt (1:2). Used as a laboratory reagent. Solid; mp = 657°; dec 1085°; d = 5.45; soluble in H_2O (8 mg/ml), HNO_3 and ammonia. *Atomergic Chemetals; Noah Chem.*

3365 Silver sulfide

21548-73-2 8604 G



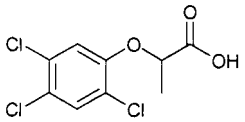
Ag_2S

Silver(I) sulfide.

Disilver sulphide; EINECS 244-438-2; Silver sulfide; Silver sulfide (Ag_2S). Used for inlaying in niello metal work, ceramics. Grey-black powder; mp = 845°; d_4^{20}= 7.234; insoluble in H_2O. *Atomergic Chemetals; Cerac.*

3366 Silvex

93-72-1 8606 G P



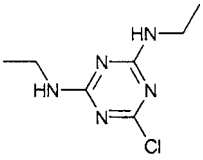
$C_9H_7Cl_3O_3$

2-(2,4,5-Trichlorophenoxy)propionic acid.

3-06-00-00721 (Beilstein Handbook Reference); Acide 2-(2,4,5-trichloro-phenoxy) propionique; Acido 2-(2,4,5-tricloro-fenossi)-propionico; Amchem 2,4,5 TP; Aqua-vex; BRN 1985768; Caswell No. 739; CCRIS 1467; Color-set; Double strength; EINECS 202-271-2; EPA Pesticide Chemical Code 082501; Fenoprop; (±)-Fenoprop; Fenormone; Fruitone T; Herbicides, silvex; HSDB 686; Kuron; Kurosal G; Kwas 2,4,5-trojchlorofenoksypropionowy; Kyselina 2-(2,4,5-trichlorfenoxy)propionova; Miller Nu Set; Propanoic acid, 2-(2,4,5-trichlorophenoxy)-; Propionic acid, 2-(2,4,5-trichlorophenoxy)-; Propon; RCRA waste number U233; Silvex; (±)-Silvex; Silvi-Rhap; Sta-Fast; 2-(2,4,5-Trichloor-fenoxy)-propionzuur; 2-(2,4,5-Trichlorophenoxy)propion-ic acid; (±)-2-(2,4,5-Trichlorophenoxy)propanoic acid (9Cl); α-(2,4,5-Trichlorophenoxy)propionic acid; 2-(2,4,5-Trichlor-phenoxy)-propionsaeure; 2,4,5-TCPPA; 2,4,5-TP; 2,4,5-TP acid. Herbicide containing silvex as the active ingredient; herbicide used in ponds and other still water for the control of aquatic weeds, as well as control of brush on rangeland; also used industrially on railroads or under power lines for the control of Crystals; mp = 181.6°, also 181.6°; soluble in H_2O (14 g/100 ml), Me_2CO (15 g/100 ml), C_6H_6 (1.6 g/100 ml), CCl_4 (2.4 g/100 ml), C_7H_{16} (1.7 g/100 ml), MeOH (10.5 g/100 ml). *Dow AgroSciences; Dow Chem. U.S.A.; Dow Europe; Dow UK.*

3367 Simazine

122-34-9 8608 G H P



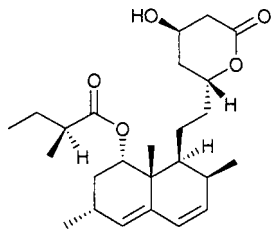
$C_7H_{12}ClN_5$

2,4-Bis(ethylamino)-6-chloro-s-triazine.

27692G; 4-26-00-01208 (Beilstein Handbook Reference); A 2079; AI3-51142; Aktinit S; Amizine; Aquazine; Azotop; Batazina; Batazine FLO; Bitemol; Bitemol S 50; BRN 0010895; Caswell No. 740; CAT; CCRIS 1469; CDT; Cekusan; Cekusima; Cekuzina-S; CET; EINECS 204-535-2; EPA Pesticide Chemical Code 080807G; G-27692; Geigy 27,692; Gesapun; Gesaran; Gesatop; Gesatop 50; H 1803; Herbatoxol S; Herbazin; Herbazin 50; Herbex; Herboxy; HSDB 1765; Hungazin DT; NSC 25999; Premazine; Primatel S; Primatol S; Princep; Printop; Radocon; Radokor; Simadex; Simanex; Simatsin-neste; Simazin; Simazine; Simazine 80W; Symazine; Tafazine; Tafazine 50-W; Taphazine; Triazine A 384; W 6658; Yrodazin; Zeapur. Selective systemic herbicide, absorbed through roots; used to control most germinating grasses and broad-leaved weeds in fruit, vegetables, trees. Registered by EPA as a herbicide. Crystals; mp = 226 - 227°; insoluble in H_2O (0.0005 g/100 ml), soluble in MeOH (0.04 g/100 ml), $CHCl_3$ (0.09 g/100 ml), Et_2O (0.03 g/100 ml), slightly soluble in dioxane, ethyl Cellosolve; LD_{50} (rat, mus, rbt orl) > 5000 mg/kg, (rat der) > 3100 mg/kg, (rbt der) > 10200 mg/kg, (hen, pgn orl) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) > 2 mg/l air, (bobwhite quail 8 day dietary) =8800 mg/kg, (8 day dietary mallard duck) = 51200 mg/kg, (bluegill sunfish 96 hr.) = 90 mg/l, (rainbow trout 96 hr.) > 100 mg/l, (crucian carp 96 hr.) > 100 mg/l, (guppy 96 hr.) = 49 mg/l; non-toxic to bees. *Agriliance LLC; Drexel Chemical Co.; Syngenta Crop Protection; UAP - Platte Chemical.*

3368 Simvastatin

79902-63-9 8613 D



$C_{25}H_{38}O_5$

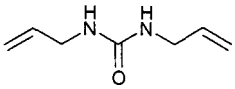
2,2-Dimethylbutryic acid 8-ester with (4R,6R)-6-[2-[(1S,2S,6R,8S,8aR)-1,2,6,7,8,8a-hexahydro-8-hydroxy-2,6-dimethyl-1-naphthyl]ethyl]tetrahydro-4-hydroxy-2H-pryan-2-one.

BRN 4768037; CCRIS 7558; Cholestat; Coledis; Colemin; Corolin; Denan; DRG-0320; L 644128-000U; Labistatin; Lipex; Liponorm; Lodalès; Lodales; Medipo; MK-0733; MK-733; Nivelipol; Pantok;

Rendapid; Simovil; Simvastatin; Simvastatina; Simvastatine; Simvastatinum; Sinvacor; Sivastin; Synvinolin; Vasotenal; Zocor; Zocord. Antihyperlipoproteinemic. HMG-CoA reductase inhibitor; used as an antihypercholesterolemic agent. Synthetic analog of lovastatin. Crystals; mp = 135-138°. *Merck & Co.Inc.*

3369 Sinapoline

1801-72-5 G



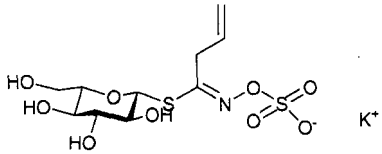
$C_7H_{12}N_2O$

Diallyl-urea.

1,3-Diallylurea; N,N'-Diallylurea; DAU; EINECS 217-291-7; NSC 102722; Urea, 1,3-diallyl-; Urea, N,N'-di-2-propenyl-. mp = 90-93°.

3370 Sinigrin

3952-98-5 8619 G



$C_{10}H_{16}KNO_9S_2$

1-Thio-β-D-glucopyranose 1-[N-(sulfoxy)-3-butenimidate] monopotassium salt.

Allyl glucosinolate; CCRIS 3715; EINECS 223-545-8; Glucopyranose, 1-thio-, 1-(3-butenohydroximate) NO-(hydrogen sulfate), monopotassium salt, β-D-; β-D-Glucopyranose, 1-thio-, 1-(N-(sulfooxy)-3-butenimidate), monopotassium salt; Glucoside of allyl isothiocyanate; NSC 90774; NSC 407279; Potassium 1-(β-D-gluco-pyranosylthio)but-3-enylideneaminooxysulphonate; 2-Propenyl glucosinolate; Sinigrin. A constituent of black mustard seed and horseradish root. Substrate for thioglucosidase. The monohydrate is [64550-88-5; 223-545-8]. [monohydrate]; mp = 127-129°; $[\alpha]_D^{18}$= -16° (c = 1 H_2O); soluble in H_2O, EtOH, insoluble in organic solvents.

3371 Sodium

7440-23-5 8641 G

Na

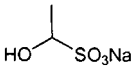
Na

Natrium.

EINECS 231-132-9; HSDB 687; Natrium; Sodio; Sodium; Sodium (liquid alloy); Sodium-23; Sodium ion; Sodium metal; UN1428. Metallic element; polymerization catalyst for synthetic rubber, laboratory reagent, coolant in nuclear reactors, heat transfer agent, manufacture of tetraethyl and tetramethyl lead, sodium peroxide, sodium hydride; radioactive isotopes in tracer studies and medicine. mp = 98°; bp = 892°; SG = 0.9; reacts with H_2O. *Foseco (FS) Ltd; Octel Chem. Ltd.*

3372 Sodium acetaldehyde bisulfite

918-04-7 42 H



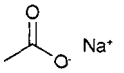
$C_2H_5NaO_4S$

1-Hydroxyethanesulfonic acid, monosodium salt.

Acetaldehyde sodium bisulfite; Azetaldehydschweflig-sauren natriums; EINECS 213-037-4; Ethanesulfonic acid, 1-hydroxy-, monosodium salt; 1-Hydroxyethanesulfonic acid, monosodium salt; Monosodium 1-hydroxy-ethanesulfonate; Sodium 1-hydroxyethanesulfonate; Sodium 1-hydroxyethanesulphonate. Crystals; freely soluble in H_2O, insoluble in EtOH.

3373 Sodium acetate

127-09-3 8642 D G H



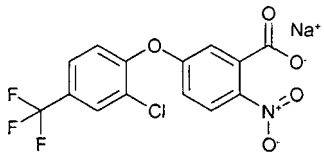
$C_2H_3NaO_2$

Acetic acid, sodium salt.

Acetic acid, sodium salt; Anhydrous sodium acetate; Caswell No. 741A; EINECS 204-823-8; EPA Pesticide Chemical Code 044006; FEMA Number 3024; HSDB 688; Natrium aceticum; Natriumacetat; NSC 77459; Octan sodny; Sodii acetas; Sodium acetate; Sodium ethanoate. Dye and color intermediate, pharmaceuticals, cinnamic acid, soaps, photography, purification of glucose, meat preservation, medicine, electroplating, tanning, dehydrating agent, buffer, laboratory reagent, food additive. Trihydrate: mp = 58°; d = 1.45; soluble in H_2O (1.25 g/ml), less soluble in organic solvents. *EM Ind. Inc.; General Chem; Heico; Honeywell & Stein; Lonzagroup; Niacet; Sigma-Aldrich Fine Chem.; Verdugt BV.*

3374 Sodium acifluorfen

62476-59-9 H



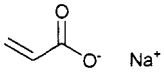
$C_{14}H_6ClF_3NNaO_5$

5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt.

Acifluorfen sodium; Acifluorfen sodium salt; Blazer; Blazer 2L; Blazer 2S; Carbofluorfen; Caswell No. 755D; EINECS 263-560-7; EPA Pesticide Chemical Code 114402; HSDB 6551; LS 80.1213; MC 10978; RH 6201; RH 6205; Scifluorfen; Sodium Acifluorfen; Sodium salt of acifluorfen; Tackle; Tackle 2AS. Used for post-emergence control of broad-leaved weeds and suppression of some annual grasses in soybeans. Registered by EPA as a herbicide. Solid; soluble in H_2O (25 g/100 ml at 25°); LC_{50} (rainbow trout 96 hr.) = 31 mg/l, (bluegill sunfish 96 hr.) = 54 mg/l; non-toxic to bees. *Aventis Crop Science; BASF Corp.; Bayer AG; Monsanto Co.*

3375 Sodium acrylate

7446-81-3 H



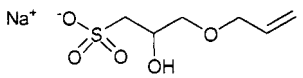
$C_3H_3NaO_2$

2-Propenoic acid, sodium salt.

Acrylic acid, sodium salt; EINECS 231-209-7; HSDB 6087.

3376 Sodium 3-(allyloxy)-2-hydroxypropane-sulfonate

52556-42-0 H



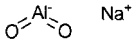
$C_6H_{11}NaO_5S$

1-Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-, monosodium salt.

EINECS 258-004-5; 1-Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-, monosodium salt; Sodium 3-(allyloxy)-2-hydroxypropanesulfonate; Sodium 3-(allyloxy)-2-hydroxypropanesulphonate.

3377 Sodium aluminate

1302-42-7 8645 G



$AlNaO_2$

Aluminum sodium oxide.

Aluminate (AlO_2^{1-}), sodium; Aluminate, sodium; Aluminium sodium dioxide; Aluminum sodium oxide ($Al_2Na_2O_4$); EINECS 215-100-1; HSDB 5023; Sodium aluminate; Sodium aluminate ($Na_2Al_2O_4$); Sodium aluminate ($NaAlO_2$); Sodium aluminate solution; Sodium aluminum dioxide; Sodium aluminum oxide ($NaAlO_2$); Sodium metaaluminate; Sodium metaaluminate ($NaAlO_2$). Used as a mordant, in zeolites, water purification, sizing paper, manufacture of milk glass, soap and cleaning compounds. White solid; mp = 1650°; very soluble in H_2O, insoluble in EtOH. *Asada Chem. Ind. Ltd.; Degussa-Hüls Corp.; Laporte Fine Chem.; Nalco Diversified Technologies, Inc.*

3378 Sodium aluminum phosphate

7785-88-8 G

$Al_3Na_3O_{16}P_4$

Sodium aluminum phosphate acidic.

Aluminum sodium phosphate; EINECS 232-090-4; HSDB 691; Phosphoric acid, aluminium sodium salt; Sodium aluminum phosphate. Food additive used in baked products. *Monsanto Co.; Rhône-Poulenc; Whiting Peter Ltd.*

3379 Sodium aminotris(methylenephosphonate)

20592-85-2 H

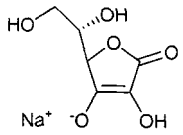
$C_3H_{11}NNaO_9P_3$

Nitrilotris(methylene phosphonic acid), sodium salt.

Aminotri(methylene phosphonic acid), sodium salt; EINECS 243-900-0; Nitrilotris(methylene phosphonic acid), sodium salt; (Nitrilotris(methylene))trisphosphonic acid, sodium salt; Phosphonic acid, (nitrilotris-(methylene))tri-, sodium salt; Sodium (nitrilotris-(methylene))triphosphonate; Sodium aminotris(methylenephosphonate).

3380 Sodium ascorbate

134-03-2 837 G



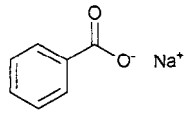
$C_6H_7NaO_6$

L-Ascorbic acid sodium salt.

Ascorbate de sodium; Ascorbato sodico; Ascorbic acid sodium salt; L-Ascorbic acid sodium salt; L-Ascorbic acid, monosodium salt; Ascorbicin; Ascorbin; CCRIS 3291; Cebitate; Cenolate; Cevalin; EINECS 205-126-1; HBL 508; HSDB 694; Iskia-C; monosodium ascorbate; Monosodium L-ascorbate; Natrascorb; Natri-C; Natrii ascorbas; 3-Oxo-L-gulofuranolactone sodium; Soda-scorbate; Sodium ascorbate; Sodium L-ascorbate; Vitamin C, sodium salt; Vitamin C sodium. Antioxidant in food products. Source of vitamin C. White solid; mp = 218° (dec); $[\alpha]_D^{20}$ = +104°; soluble in H_2O (62 g/100 ml). *BASF Corp.; EM Ind. Inc.; Hoffmann-LaRoche Inc.; Pfizer Inc.; Spice King; Takeda Chem. Ind. Ltd.*

3381 Sodium benzoate

532-32-1 8654 G H



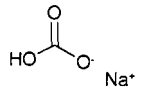
$C_7H_5NaO_2$

Benzoic acid sodium salt.

AI3-07835; Antimol; Benzoan sodny; Benzoate of soda; Benzoate sodium; Benzoesäure (Na-salz); Benzoic acid, sodium salt; Caswell No. 746; CCRIS 3921; EINECS 208-534-8; EPA Pesticide Chemical Code 009103; FEMA Number 3025; HSDB 696; Natrium benzoicum; Sobenate; Sodium benzoate; Ucephan. Used as a fungicide; preservative in pharmaceuticals and foods, especially in slightly acidic media; as a clinical reagent (bilirubin assay). Solid; mp >300°; λ_m = 223, 269 nm (H_2O); soluble in H_2O; LD_{50} (rat orl) = 4.07 g/kg. *Aceto Corp.; Dinoval; DSM Spec. Prods.; Haarmann & Reimer GmbH; Mallinckrodt Inc.; Pentagon Chems. Ltd.*

3382 Sodium bicarbonate

144-55-8 8655 D G P



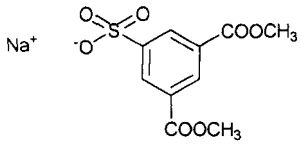
$CHNaO_3$

Sodium hydrogen carbonate.

Acidosan; Baking soda; Baros; Bicarbonate of soda; Carbonic acid monosodium salt; Caswell No. 747; CCRIS 3064; Col-evac; Colyte; EINECS 205-633-8; EPA Pesticide Chemical Code 073505; HSDB 697; Jusonin; Meylon; Monosodium carbonate; Monosodium hydrogen carbonate; Natrii hydrogencarbonas; Natrium bicarbonicum; Natrium hydrogencarbonicum; Natrium-hydrogenkarbonat; Natron; Neut; NSC 134031; Saleratus; Sel De vichy; Soda; Soda Mint; Sodium acid carbonate; Sodium bicarbonate; Sodium carbonate ($Na(HCO_3)$); Sodium hydrocarbonate; Sodium hydrogen carbonate; Soludal; Tronacarb Sodium Bicarbonate. Used in baking, effervescent salts, beverages, fire extinguishers and cleaning compounds. Used in manufacture of many sodium salts, as a baking additive, in extinguishers, cleaning agents and medically, as an antacid. White solid; mp = 270° (decomposes to sodium carbonate and CO_2 when heated); d = 2.1590; soluble in H_2O (10 g/100 ml at 25°, 8.3 g/100 ml at 18°), insoluble in EtOH; pH (aqueous solution) = 8.3. *Kerr-McGee; O'Neal Jones & Feldman Pharm.*

3383 Sodium 3,5-bis(methoxycarbonyl)benzenesulfonate

3965-55-7 H



$C_{10}H_9NaO_7S$

Isophthalic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt.

Benzenesulfonic acid, 3,5-bis(methoxycarbonyl)-, sodium salt; 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt; 3,5-Bis-(methoxykarbonyl)benzen-sulfonan sodny; 3,5-Bis-methylkarboxy-benzensulfonan sodny; EINECS 223-578-8; Isophthalic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt; Sodium 3,5-Bis(methoxy-carbonyl)benzenesulfonate; Sodium dimethyl 5-sulph-onatoisophthalate; 5-Sulfoisophthalic acid, dimethyl ester, sodium salt.

3384 Sodium bisulfide

16721-80-5 8659 G

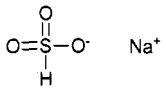
HNaS

Sodium hydrosulfide.

AI3-14915; EINECS 240-778-0; Hidrosulfuro sodics; HSDB 5165; Hydrogen sodium sulfide; Hydrogenosulfure de sodium; NA2922; NSC 158264; Sodium bisulfide; Sodium hydrogen sulfide; Sodium hydrogen sulfide (NaHS); Sodium hydrogensulphide; Sodium hydrosulfide; Sodium hydrosulphide; Sodium mercaptan; Sodium mercaptide; Sodium sulfhydrate; Sodium sulfide; Sodium sulfide (Na(SH)); UN2318; UN2949. Used in paper pulping, dyestuffs processing, rayon and cellophane desulfurizing, dehairing hides, bleaching reagent. [dihydrate]; mp = 55°; d = 1.79; soluble in H_2O, organic solvents; [trihdrate]; rhombic crystals; mp = 22°. *Nissan Chem. Ind.*

3385 Sodium bisulfite

7631-90-5 8660 G P



$HNaO_3S$

Sodium acid sulfite.

Abisol; AI3-08582; Bisulfite de sodium; Caswell No. 750; CCRIS 3950; EINECS 231-548-0; EPA Pesticide Chemical Code 078201; Fr-62; HSDB 724; Hydrogen sodium sulfite; Hydrogen sulfite sodium; Leucogen; Monosodium sulfite; NSC 60680; Sodium acid sulfite; Sodium bisulfite; Sodium bisulfite ($NaHSO_3$); Sodium bisulphite; Sodium hydrogen sulfite; Sodium hydrogen sulfite, solution; Sodium hydrosulfite(DOT); Sodium metabisulfite; Sodium sulfite ($NaHSO_3$); Sodium sulhydrate; Sulfurous acid, monosodium salt; Uantax SBS. Fusion of minerals to make solutions for analysis; pickling metals; carbonizing wool. Used as a disinfectant and bleach, as a reducing agent and in bleaching and paper making. Registered by EPA as a fungicide. Crystals; d = 1.48; soluble in 3.5 parts cold H_2O, 2 parts boiling H_2O, 70 parts EtOH; LD_{50} (rat iv) = 115 mg/kg. *BASF Corp.; Degussa-Hüls Corp.; DuPont; Hoechst Celanese; Penreco; Sigma-Aldrich Fine Chem.*

3386 Sodium borate

1330-43-4 8662 D G P

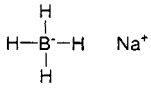
$B_4Na_2O_7$

Sodium tetraborate.

Anhydrous borax; Borates, tetrasodium salts, anhydrous; Borax, anhydrous; Borax, dehydrated; Borax, fused; Borax glass; Boric acid ($H_2B_4O_7$), sodium salt; Boric acid ($H_2B_4O_7$), disodium salt; Boric acid, disodium salt; Boron sodium oxide; Boron sodium oxide ($B_4Na_2O_7$); Disodium tetraborate; Disodium tetraborate, anhydrous; EINECS 215-540-4; FR 28; Fused borax; Fused sodium borate; HSDB 5025; Rasorite 65; Sodium biborate; Sodium borate; Sodium borate, anhydrous; Sodium boron oxide; Sodium pyroborate; Sodium tetraborate. Used in heat-resistant glass; porcelian enamel; detergents, herbicides, fertilizers, rust inhibitors, pharmaceuticals, leather, photography, bleaches, paint, boron compounds, flame retardant fungicide for wood, soldering flux, cleaners and lab. reagents. A highly soluble form of sodium borate; used to correct boron deficiency in plants by applying either as a foliar spray, in nutrient feeds or with herbicides. Has been used as an antiseptic, detergent and astringent for mucous membranes. White solid; mp = 741°; d = 2.3670. *Borax Europe Ltd; Lancaster Synthesis Co.; U.S. Borax.*

3387 Sodium borohydride

16940-66-2 8664 G



BH_4Na

Sodium tetrahydroborate.

Borate(1-), tetrahydro-, sodium; Borohydrure de sodium; Borol; EINECS 241-004-4; Hidkitex DF; HSDB 699; Sodium borohydrate; Sodium borohydride; Sodium borohydride (Na(BH_4)); Sodium hydroborate; Sodium tetrahydridoborate(1-); Sodium tetrahydroborate; Sodium tetrahydroborate(1-); UN1426. Source of H_2 and other borohydrides; bleaching wood pulp; blowing agent for plastics; decolorizer for plasticizers. White solid; mp = 36°; d = 1.074. *Atomergic Chemetals; Morton Intn'l.; Tennant Trading Ltd.*

3388 Sodium bromide

7647-15-6 8666 D G P V

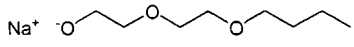
BrNa

Hydrobromic acid sodium salt.

Bromide salt of sodium; Bromnatrium; Caswell No. 750A; EINECS 231-599-9; EPA Pesticide Chemical Code 013907; HSDB 5039; NSC 77384; Sedoneural; Sodium bromide; Sodium bromide (NaBr); Trisodium tribromide. Used for preparation of bromides and in photography. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and molluscicide. Used to control bacterial slimes in paper and pulp mills. Sedative/hypnotic; anticonvulsant. Used in veterinary medicine as a sedative and to control convulsions. Crystals; mp = 755°; d = 3.21; soluble in H_2O (0.9 g/ml), less soluble in organic solvents; crystallizes as a dihydrate; LD_{50} (rat orl) = 3.5 g/kg. *Ethyl Corp.; Great Lakes Fine Chem.; Hawks Chem Co Ltd; Morton Intn'l.*

3389 Sodium 2-(2-butoxyethoxy)ethanolate

38321-18-5 H



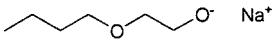
$C_8H_{17}NaO_3$

Ethanol, 2-(2-butoxyethoxy)-, sodium salt.

EINECS 253-880-5; Ethanol, 2-(2-butoxyethoxy)-, sodium salt; Sodium 2-(2-butoxyethoxy)ethanolate.

3390 Sodium 2-butoxyethoxide

52663-57-7 H



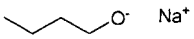
$C_6H_{13}NaO_2$

Ethanol, 2-butoxy-, sodium salt.

EINECS 258-079-4; Ethanol, 2-butoxy-, sodium salt; Sodium 2-butoxyethanolate; Sodium 2-butoxyethoxide.

3391 Sodium butylate

2372-45-4 H



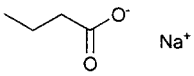
C_4H_9NaO

Butanol, sodium salt.

Butanol, sodium salt; 1-Butanol, sodium salt; Butyl alcohol, sodium salt; EINECS 219-144-2; HSDB 5872; Sodium butanolate; Sodium butoxide; Sodium 1-butoxide; Sodium butylate; Sodium n-butylate.

3392 Sodium butyrate

156-54-7 G



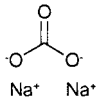
$C_4H_7NaO_2$

Butyric acid sodium salt.

Butanoic acid, sodium salt; Butyrate sodium; Butyric acid, sodium salt; CCRIS 7068; EINECS 205-857-6; HSDB 5655; NSC 174280; Sodium butanoate; Sodium butyrate; Sodium n-butyrate; Sodium propanecarboxylate. Used in chemical laboratory as agent for alteration of chromatin structure; enhances transfection efficiency and improved cell survival. Crystals; mp = 250-253°. *Penta Mfg.*

3393 Sodium carbonate

497-19-8 8668 G P



CNa_2O_3

Carbonic acid disodium salt.

Bisodium carbonate; Calcined soda; Carbonic acid, disodium salt; Carbonic acid sodium salt; Carbonic acid sodium salt (1:2); Caswell N0 752; CCRIS 7319; Crystol carbonate; Disodium carbonate; Disodium carbonate (Na_2CO_3); Dynamar L 13890; EINECS 207-838-8; EINECS 231-420-4; EPA Pesticide Chemical Code 073506; HSDB 5018; Light Ash; Mild alkali; Na-X; Natrium Carbonicum Calcinatum; Natrium Carbonicum Siccatum; NSC 156204; Sal soda; Salt of soda; Scotch soda; Snowlite 1; Snowlite I; Soda; Soda ash; Soda Ash Light 4P; Soda, calcined; Sodium carbonate; Sodium carbonate (2:1); Sodium carbonate ($Na_2(CO_3)$); Sodium carbonate, anhydrous; Sodium Carbonate, Anhydrous ASTM D458; Sodium Carbonate, Anhydrous GE Materials D4D5; Solvay soda; Suprapur 6395; Trona; Trona soda ash; V 20N; V Soda; Washing soda. Registered by EPA as an antimicrobial, fungicide and herbicide. FDA GRAS, Japan approved, Europe listed, FDA approved for injectables, parenterals, ophthalmics, orals, rectals, USP/NF, BP, Ph.Eur. compliant. Alkalizing agent, antacid, reagent. Used in injectables, parenterals, ophthalmics, orals, rectals, mouthwashes, foot preparations and vaginal douches. Used in food additives as a preservative. White solid; mp = 851°; d = 2.53; soluble in H_2O (28.6 g/100 ml at 20°, 45.5 g/100 ml at 35°), insoluble in EtOH. LD_{50} (mus ip 30 day) = 116.6 mg/kg. *ABC Compounding Co.; Albright & Wilson Americas Inc.; Chardon Laboratories, Inc; EM Ind. Inc.; FMC Corp. Pharm. Div.; General Chem; Huntington Professional Products; Integra; Lohmann; Mallinckrodt Inc.; Medical Chemical Corp; Norsk Hydro AS; Rhône-Poulenc; Ruger; Sigma-Aldrich Fine Chem.; Solvay Pharm. SA; Spectrum Chem. Manufacturing; Speer Products Inc.; Texasgulf; Unit Chemical Corp.*

3394 Sodium carbonate

5968-11-6 G

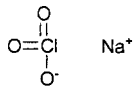
$CNa_2O_3.H_2O$

Sodium carbonate monohydrate.

Carbonic acid disodium salt, monohydrate; Disodium carbonate monohydrate; Getrocknetes natriumkcarbonat; Natrii carbonas monohydricus; Natrium carbonicum monohydricum; Soda ash; Sodium carbonate monohydrate; Sodium Carbonate. White solid; bp = 851°; d = 2.25; soluble in 3 parts H_2O, insoluble in organic solvents. *Church & Dwight.*

3395 Sodium chlorate

7775-09-9 8670 G P



$ClNaO_3$

Chloric acid sodium salt.

Agrosan; Asex; Atlacide; B-Herbatox; Caswell No. 753; Chlorate de sodium; Chlorate salt of sodium; Chloric acid, sodium salt; Chlorsaure; Chlorsäure; De-Fol-Ate; Defol; Dervan; Desolet; Drexel defol; Drop-Leaf; EINECS 231-887-4; EPA Pesticide Chemical Code 073301; Evau-super; Fall; Grain sorghum harvest-aid; Granex O; Harvest-aid; Hibar C; HSDB 732; KM; KM Sodium Chlorate; Kusatohru; Kusatol; Leafex 2; Leafex 3; Natrium chloraat; Natrium chlorat; Ortho C-1 defoliant & weed killer; Ortho-C-1-Defoliant; Oxycil; Rasikal; Shed-A-leaf; Shed-A-Leaf L; Soda chlorate; Sodakem; Sodio (clorato di); Sodium (chlorate de); Sodium chlorate; Sodium chlorate ($NaClO_3$); Sodium(chlorate de); Travex; Tumbleaf; Tumbleleaf; UN1495; UN2428; United Chemical Defoliant No. 1; VAL-DROP; Weed Killer. Oxidizing agent, pulp bleaching, defoliant and herbicide; leather tanning and finishing; textile mordant. Also used in pyrotechnics. Herbicide. Registered by EPA as a herbicide and fungicide. FDA approved for injectables. Used in injectables and as an astringent. White granules; mp = 248°; d ■ 2.5; soluble in H_2O, less soluble in organic solvents; LD_{50} (rat orl) = 12000 mg/kg. *Albright & Wilson Americas Inc.; Degussa-Hüls Corp.; Eka Nobel Ltd.; Georgia Gulf; Kerr-McGee; OxyChem; PPG Ind.*

3396 Sodium chloride

7647-14-5 8671 D G P

Na—Cl

ClNa

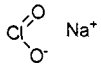
Hydrochloric acid sodium salt.

Adsorbanac; Alberger® Natural Flake; Arm-A-Vial; Ayr; Betrox; Caswell No. 754; CCRIS 982; Colyte; Common salt; Dendritis; EINECS 231-598-3; EPA Pesticide Chemical Code 013905; Extra Fine 200 Salt; Extra Fine 325 Salt; Flexivial; Gingivyl; Halite; H.G. blending; Halite; HSDB 6368; Hypersal; Hyposaline; Iodized salt; Marine salt; Muriate of soda; Natriumchlorid; NSC 77364; Purex; Rock salt; Sal culinaris; Sal commune; Saline; Salt; Sea salt; Slow Sodium; Sodium chloric; Sodium chloride; Sodium chloride brine, purified; Sodium monochloride; SS salt; Table salt; Top flake; Trisodium trichloride; White crystal. Used as a chemical intermediate and reagent. Also used as a fertilizer. Registered by EPA as an

antimicrobial, fungicide, herbicide, insecticide and molluscicide. FDA listed, BP, Ph. Eur compliance. Used as a flavoring agent and preservative and as a tonicity agent, (injectables, nasals, dentals, parenterals, inhalants, ophthalmics, orals, rectals and topicals). Used as an aquaculture feed additive and to improve fruit quality, also as a de-icer. Electrolyte replenisher; emetic; topical anti-inflammatory. Cubic crystals; mp = 804°; soluble in H_2O (0.36 g/ml), insoluble in organic solvents; LD_{50} (rat orl) = 3.75 g/kg. *Akzo Chemie; ICI Chem. & Polymers Ltd.*

3397 Sodium chlorite

7758-19-2 8672 G P



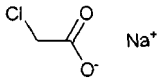
$ClNaO_2$

Chlorous acid sodium salt.

Adox 3125; Alcide LD; Caswell No. 755; CCRIS 1426; Chlorite sodium; Chlorous acid, sodium salt; EINECS 231-836-6; EPA Pesticide Chemical Code 020502; HSDB 733; Neo Silox D; Sodium chlorite; Textile; Textone; UN1496. Antimicrobial for water and waste water treatment. Improves taste and odor of potable water; oxidizing agent, bleaching agent for textiles, paper pulp, disinfecting. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide. Used in germicidal teat-dip preparations. Crystals; dec 180-200°; soluble in H_2O (34 g/100 ml). *Albright & Wilson Americas Inc.; Elf Atochem N. Am.; International Dioxcide Inc.; Olin Corp.*

3398 Sodium chloroacetate

3926-62-3 2129 G H P



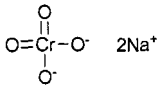
$C_2H_2ClNaO_2$

Chloroacetic acid sodium salt.

Acetic acid, chloro-, sod; Acetic acid, chloro-, sodium salt; Caswell No. 755A; Chloroctan sodny; Dow defoliant; EPA Pesticide Chemical Code 355200; Monoxone; SMA; SMCA; Sodium chloroacetate; Sodium monochloroacetate; UN2659. Used as a herbicide. White crystals; soluble in H_2O (85 g/100 ml at 20°); LD_{50} (rat orl) = 76 mg/kg, (mus orl) = 255 mg/kg, (gpg orl) = 80 mg/kg. *Atlas Interlates Ltd; Rhône-Poulenc; Syngenta Crop Protection.*

3399 Sodium chromate

7775-11-3 8674 G P



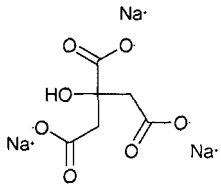
Cr_2NaO_4

Sodium chromate(VI).

Caswell No. 757; CCRIS 883; Chromate of soda; Chromic acid (H_2CrO_4), disodium salt; Chromic acid, disodium salt; Chromium disodium oxide; Chromium sodium oxide ($CrNa_2O_4$); Disodium chromate; EINECS 231-889-5; EPA Pesticide Chemical Code 068303; HSDB 2962; Neutral sodium chromate; Rachromate; Sodium chromate; Sodium chromate(VI); chromium disodium oxide; chromium sodium oxide ($CrNa_2O_4$). Inks, dyeing, paint pigment, leather tanning, other chromates, protection of iron against corrosion, wood preservative. Registered by EPA as a fungicide (cancelled). Has tetrahydrate and decahydrate (mp = 20°); soluble in H_2O (1 g/ml). *Elf Atochem N. Am.; OxyChem.*

3400 Sodium citrate

68-04-2 8675 H



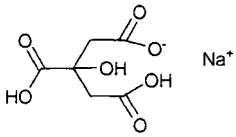
$C_6H_8Na_3O_7$

1,2,3-Propanetricarboxylic acid, 2-hydroxy-, trisodium salt, anhydrous.

CCRIS 3293; Citnatin; Citreme; Citric acid, trisodium salt; Citrosodina; Citrosodine; Citrosodna; EINECS 200-675-3; FEMA No. 3026; HSDB 5201; Natrocitral; Sodium citrate; Sodium citrate ($Na_3C_6H_5O_7$); Sodium citrate anhydrous; Trisodium 2-hydroxy-1,2,3-propanetricarboxylate; Tri-sodium citrate. [Dihydrate]: White crystals; soluble in H_2O (77 g/100 ml at25°, 166 g/100 ml at 100°), insoluble in EtOH; LD_{50} (rat ip) = 1764 mg/kg. [Pentahydrate]: crystalline solid; less stable than the dihydrate, loses water easily.

3401 Sodium citrate

994-36-5 H



$C_6H_7NaO_7$

1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt.

Bicitra; Citric acid, sodium salt; EINECS 213-618-2; Pneucid; 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt; Sodium 2-hydroxy-1,2,3-propanetricarb-oxylate; Sodium citrate.

3402 Sodium cocoate

61789-31-9 H

Sodium coconut oil soap.

Coconut fatty acid, sodium salt; Coconut oil fatty acids, sodium salt; EINECS 263-050-4; Fatty acids, coco, sodium salts; Fatty acids, coconut oil, sodium salts; Soap, coconut oil; Sodium cocoate; Sodium coconate.

3403 Sodium coconut monoglyceride sulfate

61789-04-6 H

Glycerides, coco mono-, sulfated, sodium salts.

EINECS 263-026-3; Glycerides, coco mono-, sulfated, sodium salts; Glycerides, coconut oil mono-, sulfated, sodium salts; Sodium cocomonoglyceride sulfate; Sodium coconut monoglyceride sulfate.

3404 Sodium cocoyl isethionate

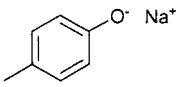
61789-32-0 H

Fatty acids, coco, 2-sulfoethyl esters, sodium salts.

Coconut fatty acid, 2-sulfoethyl ester, sodium salt; EINECS 263-052-5; Fatty acids, coco, 2-sulfoethyl esters, sodium salts; Fatty acids, coconut oil, sulfoethyl esters, sodium salts; Igepon AC-78; Jordapon CI; Sodium cocoyl isethionate.

3405 Sodium cresylate

34689-46-8 H



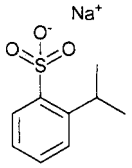
C_7H_7NaO

Methylphenol sodium salt.

Caswell No. 757A; Cresol sodium salt; Cresylic acid sodium salt; EINECS 252-154-5; EPA Pesticide Chemical Code 357200; HSDB 5139; Methylphenol sodium salt; Phenol, methyl-, sodium salt; Sodium cresolate; Sodium cresoxide; Sodium cresylate. Mixture of *o, m and p-isomers.*

3406 Sodium cumenesulfonate

28348-53-0 H



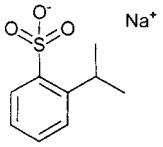
$C_9H_{11}NaO_3S$

Benzenesulfonic acid, (1-methylethyl)-, sodium salt.

Benzenesulfonic acid, (1-methylethyl)-, sodium salt; ar-Cumenesulfonic acid, sodium salt; EINECS 248-983-7; Sodium cumenesulfonate; Sodium cumenesulphonate.

3407 Sodium cumenesulfonate

32073-22-6 G H



$C_9H_{11}NaO_3S$

(1-Methylethyl)benzene, monosulfo deriv., sodium salt.

Benzene, (1-methylethyl)-, monosulfo deriv., sodium salt; Cumene, monosulpho derivative, sodium salt; EINECS 250-913-5; (1-Methylethyl)benzene, monosulfo deriv., sodium salt; Sodium cumenesulfonate; Witconate SCS 45%. Hydrotrope, solubilizer, coupler and processing aid in detergent manufacturing and industrial processes; antiblocking and anticaking agent in powder products; formulates shampoos, Aerosols®s, cutting oils, glue; textile finishing. *CK Witco Corp.*

3408 Sodium cyanide

143-33-9 8679 G

$N\equiv C-Na$

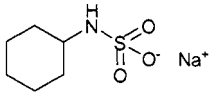
CNNa

Hydrocyanic acid sodium salt.

4-02-00-00050 (Beilstein Handbook Reference); BRN 3587243; Caswell No. 758; CCRIS 7712; Cianuro di sodio; Cyanasalt H; Cyanasalt S; Cyanide of sodium; Cyanide salts; Cyanobrik; Cyanogran; Cyanure de sodium; Cymag; EINECS 205-599-4; EPA Pesticide Chemical Code 074002; HSDB 734; Hydrocyanic acid, sodium salt; Kyanid sodny; M-44 cyanide capsules; NSC 77379; RCRA waste number P106; Sodium cyanide; Sodium cyanide solution; UN1689. Used in extraction of gold and silver from ores, electroplating, heat treatment of metals, making hydrogen cyanide, insecticide, metal cleaning, fumigation, dyes and pigments, nylon intermediates, chelating compounds, ore flotation. Crystals; mp = 563°; soluble in H_2O, poorly soluble in organic solvents; LD_{50} (rat orl) = 15 mg/kg. *Degussa AG; DSM Spec. Prods.; DuPont; Elf Atochem N. Am.; FMC Corp.; Grace W.R. & Co.; ICI Spec.; Mitsui Toatsu.*

3409 Sodium cyclamate

139-05-9 G



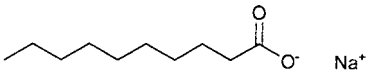
$C_6H_{12}NNaO_3S$

Cyclohexylsulfamic acid, monosodium salt.

AI3-24213; Assugrin; Assurgrin Feinsuss; Assurgrin Vollsuss; Asugryn; CCRIS 187; Ciclamato sodico; Cyclamate de sodium; Cyclamate sodium; Cyclamate sodium/saccharin sodium; Cyclamate, sodium salt; Cyclamic acid sodium salt; Cyclohexanesulfamic acid, monosodium salt; Cyclohexanesulphamic acid, mono-sodium salt; Cyclohexylsulfamate sodium; Cyclohexyl-sulfamic acid, sodium salt; Cyclohexylsulphamate sodium; Cyclohexylsulphamic acid, monosodium salt; N-Cyklohexylsulfamat sodny; Dulzor-Etas; EINECS 205-348-9; Hachi-Sugar; Ibiosuc; Monosodium cyclohexyl-sulfamate; Natraiumcyclohexyl-amidosulfat; Natreen; Natrii cyclamas; Natrium cyclamicum; Natrium cyclohexylsulfamat; Natrium-cyclohexylamidosulfat; Natriumzyklamate; NSC 42195; Sodium cyclamate; Sodium cyclohexanesulfamate; Sodium cyclohexane-sulphamate; Sodium cyclohexyl amidosulphate; Sodium cyclohexyl sulfamate; Sodium cyclohexyl sulphamate; Sodium cyclohexylsulphamidate; Sodium N-cyclohexylsulfamate; Sodium sucaryl; Sucaryl sodium; Sucrosa; Sucrum 7; Sucrun 7; Suessette; Suestamin; Sugarin; Sugaron; Sulfamic acid, cyclohexyl-, monosodium salt. Artificial sweetener; about 30x as sweet as cane sugar. Crystals; mp = 265°; soluble in H_2O, insoluble in organic solvents; LD_{50} (rat orl) = 15.25 g/kg.

3410 Sodium decanoate

1002-62-6 H



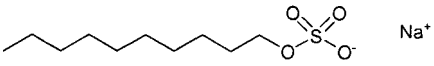
$C_{10}H_{19}NaO_2$

n-Decanoic acid, sodium salt.

Capric acid, sodium salt; Caprinic acid sodium salt; Decanoic acid, sodium salt; EINECS 213-688-4; Sodium caprate; Sodium caprinate; Sodium decanoate; Sodium-n-decanoate.

3411 Sodium decyl sulfate

142-87-0 G



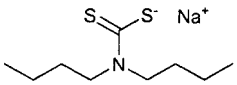
$C_{10}H_{21}NaO_4S$

Sulfuric acid, monodecyl ester, sodium salt.

Atlasol 103; EINECS 205-568-5; Sodium decyl sulfate; Sodium decyl sulphate; Sulfuric acid, decyl ester, sodium salt. Emulsifier, wetting agent, dispersant, fiber lubricant, synthetic fatliquor; for textile, leather, and general industrial applications. *Atlas Chemical Corp.*

3412 Sodium dibutyldithiocarbamate

136-30-1 G



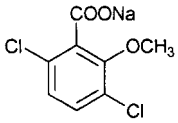
$C_9H_{18}NNaS_2$

Dibutyldithiocarbamic acid sodium salt.

Accel TP; AI3-08293; Butyl namate; Carbamic acid, dibutyldithio-, sodium salt; Carbamodithioic acid, dibutyl-, sodium salt; Dibutyldithiokarbaman sodny; EINECS 205-238-0; HSDB 2900; Octopol NB-47; Pennac; Pennac SDB; Sodium DBDT; Sodium dibutylcarbamodithioate; Sodium dibutyldithiocarbamate; Sodium N,N-dibutyldithiocarbamate; Tepidone; Tepidone rubber accelerator; USAF B-35; Vulcacure; Vulcacure NB. Ultra accelerator for SBR and natural rubber latex compounds; in polymerization of chloroprene rubber, especially for latex compounds where copper staining of zinc salt dithiocarbamates is a problem.

3413 Sodium dicamba

1982-69-0 H P



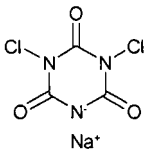
$C_8H_5Cl_2NaO_3$

Sodium 2-methoxy-3,6-dichlorobenzoate.

o-Anisic acid, 3,6-dichloro-, sodium salt; Banvel II; Benzoic acid, 3,6-dichloro-2-methoxy-, sodium salt; Dicamba-sodium; Dicamba sodium salt; 3,6-Dichloro-2-methoxybenzoic acid, sodium salt; 3,6-Dichloro-o-anisic acid, sodium salt; EINECS 217-846-3; HSDB 5861; 2-Methoxy-3,6-dichlorobenzoic acid sodium salt; Sodium 2-methoxy-3,6-dichlorobenzoate; Sodium 3,6-dichloro-2-methoxybenzoate; Sodium 3,6-dichloro-o-anisate; Sod-ium dicamba. Registered by EPA as a herbicide. Solid; soluble in H_2O (39.7 g /100 ml); LD_{50} (rat orl) = 6764 mg/kg. *BASF Corp.; Micro-Flo Co. LLC; Nissan Chem. Ind.; Syngenta Crop Protection.*

3414 Sodium dichloroisocyanurate

2893-78-9 G P



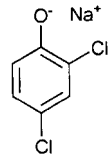
$C_3Cl_2N_3NaO_3$

1,3-Dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione sodium salt.

ACL 60; BX 94; Caswell No. 759; CCRIS 4788; CDB 63; CP 17254; Dichloroisocyanurate sodium; Dikonit; Dimanin C; EINECS 220-767-7; EPA Pesticide Chemical Code 081404; Fi Clor 60S; HSDB 4235; Isocyanuric acid, dichloro-, sodium salt; Monosodium 1,3-dichloroiso-cyanurate; NCI-C55732; OCI 56; SDIC; Simpla; Sodium dichlorisocyanurate; Sodium dichlorocyanurate; Tro-closene sodium. Active ingredient in dry bleaches, water and sewage treatment. Topical anti-infective. Used as a water disinfectant, bleach and media constituent. Registered by EPA as an antimicrobial and disinfectant. White, granular powder; mp = 250°; soluble in H_2O; LD_{50} (hmn orl) = 3570 mg/kg, (rat orl) = 1420 mg/kg. *Alden Leeds Inc.; Aqua Clear Industries Inc; Atofina; Biolabs Inc; CFR Packaging Inc; Clearon Corp; Ecolab Inc.; Hasa Inc; ICI Americas Inc.; Nissan Chem. Ind.; Occidental Chem. Corp.; PR Pharmaceuticals; Pro Packaging Inc.*

3415 Sodium 2,4-dichlorophenolate

3757-76-4 H



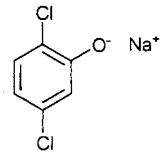
$C_6H_3Cl_2NaO$

Phenol, 2,4-dichloro-, sodium salt.

EINECS 223-163-1; Phenol, 2,4-dichloro-, sodium salt; Sodium 2,4-dichlorophenolate.

3416 Sodium 2,5-dichlorophenolate

52166-72-0 H



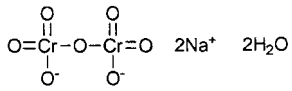
$C_6H_3Cl_2NaO$

Phenol, 2,5-dichloro-, sodium salt.

EINECS 257-697-1; Phenol, 2,5-dichloro-, sodium salt; Sodium 2,5-dichlorophenolate.

3417 Sodium dichromate

7789-12-0 G P



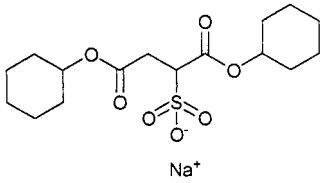
$Cr_2Na_2O_7$

Sodium bichromate.

Chromic acid ($H_2Cr_2O_7$), disodium salt, dihydrate; CRIS 6344; Dichromic acid ($H_2Cr_2O_7$), disodium salt, dihydrate; Sodium dichromate dihydrate. Used in colorimetry (copper determination), as a complexing agent, oxidation inhibitor in ethyl ether. Registered by EPA as a fungicide. Crystals; d ■ 2.350; suspected carcinogen. *British Chrome & Chemical; Chemisphere; Occidental Chem. Corp.; OxyChem; Rit-Chem.*

3418 Sodium dicyclohexyl sulfosuccinate

23386-52-9 H



$C_{16}H_{25}NaO_7S$

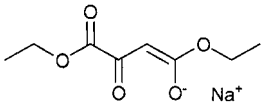
Sulfosuccinic acid, 1,4-dicyclohexyl ester, sodium salt.

Aerosol® A 196; Bis-cyclohexyl sodium sulfosuccinate (80%); Butanedioic acid, sulfo-, 1,4-dicyclohexyl ester, sodium salt; Dicyclohexyl sodium sulfosuccinate; 1,4-Dicyclohexyl

sulfobutanedioate sodium salt; EINECS 245-629-3; Pelex CS; Sodium 1,4-dicyclohexyl sulphonato-succinate; Sodium 1,4-dicyclohexyl sulfobutanedioic acid; Sodium dicyclohexyl sulfosuccinate; Succinic acid, sulfo-, 1,4-dicyclohexyl ester, sodium salt; Sulfosuccinic acid, dicyclohexyl ester, sodium salt; Sulfosuccinic acid, 1,4-dicyclohexyl ester, sodium salt.

3419 Sodium diethyl oxaloacetate

40876-98-0 H



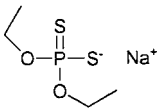
$C_8H_{11}NaO_5$

Diethyl oxaloacetate, monosodium salt.

AI3-04820; Butanedioic acid, oxo-, diethyl ester, ion(1-), sodium; Diethyl oxalacetate sodium salt; Diethyl oxaloacetate, monosodium salt; Diethyl oxobutanedioate ion(1-) sodium; Diethyl sodiooxalacetate; Diethyl sodium oxalacetate; EINECS 255-122-9; NSC 126906; Oxalacetic acid diethyl ester sodium salt; Sodium diethyl oxaloacetate; Sodium diethyl oxobutanedioate.

3420 Sodium diethyl phosphorodithioate

3338-24-7 H



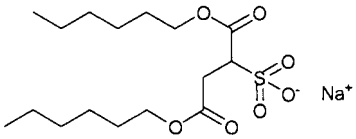
$C_4H_{10}NaO_2PS_2$

Phosphorodithioic acid, O,O-diethyl ester, sodium salt.

O,O-Diethyldithiofosforecnan sodny; EINECS 222-079-2; Ethyl sodium phosphorodithioate; Hostaflot LET; HSDB 2606; Phosphorodithioic acid, O,O-diethyl ester, sodium salt; Sodium aerofloat; Sodium diethyl dithiophosphate; Sodium diethyl phosphorodithioate; Sodium O,O-diethyl dithiophosphate.

3421 Sodium dihexyl sulfosuccinate

3006-15-3 G



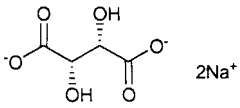
$C_{16}H_{29}NaO_7S$

Sodium 1,4-dihexyl sulfobutanedioate.

Aerosol MA80; AI3-18858; Bis(1-methylamyl) sodium sulfosuccinate; Butanedioic acid, sulfo-, 1,4-dihexyl ester, sodium salt; Dihexyl sodiosulfosuccinate; Dihexyl sodium sulfosuccinate; Dihexyl sulfosuccinate sodium salt; 1,4-Dihexyl sulfosuccinate sodium salt; EINECS 221-109-1; Monawet MM 80; Octosol HA-80; Sodium 1,4-dihexyl sulphonatosuccinate; Sodium 1,4-dihexyl sulfosuccinate; Sodium dihexyl sulfosuccinate; Succinic acid, sulfo-, dihexyl ester, sodium salt; Succinic acid, sulfo-, 1,4-dihexyl ester, sodium salt; Sulfosuccinic acid, dihexyl ester, sodium salt; SV 1017. Emulsifier used in latex emulsion polymerization. *Tiarco.*

3422 Sodium dihydroxysuccinate

51307-92-7 H



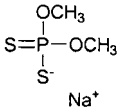
$C_4H_4Na_2O_6$

Butanedioic acid, 2,3-dihydroxy-, disodium salt.

Butanedioic acid, 2,3-dihydroxy-, disodium salt, (R*,R*)-(±)-; Butanedioic acid, 2,3-dihydroxy-, disodium salt, (2R,3R)-rel-.

3423 Sodium dimethyl dithiophosphate

26377-29-7 H



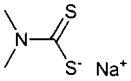
$C_2H_6NaO_2PS_2$

Phosphorodithioic acid, O,O-dimethyl ester, sodium salt.

O,O-Dimethyldithiofosforecnan sodny; EINECS 247-636-7; Methyl sodium phosphorodithioate; Phosphorodithioic acid, O,O-dimethyl ester, sodium salt; Sodium dimethyl dithiophosphate; Sodium dimethyl phosphorodithioate; Sodium O,O-dimethyl phosphorodithioate; Sodium O,O-dimethyl dithiophosphate.

3424 Sodium dimethyldithiocarbamate

128-04-1 G P



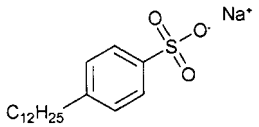
$C_3H_6NNaS_2$

Sodium dimethylcarbamodithioate.

Aceto SDD 40; AI3-14673; Alcobam NM; Amersep MP 3R; Aquatreat SDM; Brogdex 555; Carbam-S; Carbamodithioic acid, dimethyl-, sodium salt; Carbon s; Caswell No. 762; CCRIS 5535; DDC; Diaprosim AB 13; Dibam; Dibam A; Dimethyldithiocarbamic acid, sodium salt; Diram; DMDK; EINECS 204-876-7; EPA Pesticide Chemical Code 034804; Freshgard 40; MetalPlex 143; Methyl namate®; MSL; MSL (carbamate); Nalmet A 1; Nocceler S; NSC 85566; Octopol SDM-40; Perkacit® SDMC; Sanceler S; SDDC; SDMDTC; Sharstop 204; Sodam; Sodium dimethyl dithiocarbamate; Sta-Fresh 615; Steriseal liquid 40; Thiostop N; Vinditat; Vinstop; Vulnopol NM; Wing Stop B. A water treatment chemical; readily forms water-insoluble salts with heavy metals such as cadmium, copper, chromium, and nickel; clarification agent for wastewater from plating, photo finishing. Polymerization shortstop in SBR rubber; precipitant for heavy metals in waste water treatment. Accelerator for rubber industry; shortstopper for polymer production. Fungicide. Registered by EPA as an antimicrobial and fungicide. Crystals; mp = 120-122°; soluble in H_2O, polar organic solvents; λ_m = 257, 290 nm (ε 1200, 13000 EtOH); LD_{50} (rat orl) = 1000 mg/kg, (rat ip) = 1000 mg/kg, (mus orl) = 1500 mg/kg, (mus ip) = 573 mg/kg, (rat orl) = 300 mg/kg. *Akzo Chemie; Alco Chem. Corp.; IBC Manufacturing Co.; Quest Chemical Corp.; Uniroyal; Vanderbilt R.T. Co. Inc.; Vinings Industries Inc.*

3425 Sodium dodecylbenzenesulfonate

25155-30-0 8686 G P



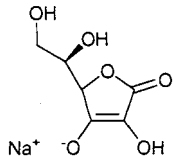
$C_{18}H_{29}NaO_3S$

Sodium laurylbenzenesulfonate.

35SL; AA-9; AA-10; Abeson nam; Arylan SBC; Benzenesulfonic acid, dodecyl-, sodium salt; Bio-soft D-35x; Bio-soft D-40; Bio-soft D-60; Bio-soft D-62; C 550; Calsoft F-90; Calsoft L-40; Calsoft L-60; Caswell No. 765; Conco aas-35; Conco AAS-35; Conco AAS 35H; Conco AAS-40; Conco AAS-65; Conco AAS-90; Conoco C-50; Conoco SD 40; Detergent HD-90; Dodecyl benzene sodium sulfonate; DS 60; EINECS 246-680-4; EPA Pesticide Chemical Code 079010; HS 85S; HSDB 740; KB; Marlon 375a; Mercol 25; Mercol 30; Naccanol NR; Naccanol SW; Nacconol; Nacconol 35SL; Nacconol 40f; Nacconol 90f; Nansa HF 80; Nansa HS 85S; Neopelex 05; Pelopon A; Pilot hd-90; Pilot sf-40; Pilot sf-40b; Pilot sf-40fg; Pilot sf-60; Pilot sf-96; Richonate 1850; Richonate 40b; Richonate 45b; Richonate 45B; Richonate 60b; Sandet 60; Santomerse; Santomerse 3; Santomerse No. 1; Santomerse No. 85; SDBS; Sinnozon; Sodium dodecylphenylsulfonate; Sodium lauryl benzene sulfonate; Sol sodowa kwasu laurylobenzenosulfono-wego; Solar 40; Solar 90; Steinaryl NKS 50; Steinaryl NKS 100; Stepan DS 60; Stepantan DS 40; Sulfapol; Sulfapolu; Sulfaril paste; Sulframin 1238; Sulframin 1238 slurry; Sulframin 1240; Sulframin 1250 slurry; Sulframin 40; Sulframin 40RA; Sulframin 85; Sulframin 90; Sulfuril; Trepolate F 40; Ultrawet 60K; Ultrawet K; Ultrawet KX; Ultrawet SK; Ultrawet XK; Vista C 550; Witconate 1238; Witconate 1250; Witconate 60 B; X 2073. Registered by EPA as an antimicrobial, fungicide and insecticide. FDA, USDA listed, FDA approved for topicals. Used in topicals as a surfactant. Used in rug and upholstery cleaners. Detergent. White to light yellow flakes, granules or powder; mp > 300°; soluble in H_2O (0.5 - 1.0 g/100 ml at 19°). LD_{50} (mus orl) = 2000 mg/kg, (mus iv) = 105 mg/kg. *Albright & Wilson Americas Inc.; DuPont; Emkay; Fluka; Norman-Fox; Pilot; Rhône-Poulenc; Spectrum Chem. Manufacturing; Stepan; Tokyo Kasei Kogyo; Unger Fabrik Chem. Ind.; Witco/Oleo-Surf.*

3426 Sodium erythorbate

6381-77-7 G H



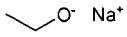
$C_6H_7NaO_6$

Monosodium D-erythro-hex-2-enonic acid γ-lactone.

Araboascorbic acid, monosodium salt, D-; CCRIS 2517; EINECS 228-973-9; Eribate; Hex-2-enonic acid gamma-lactone, D-erythro-, monosodium salt; D-erythro-Hex-2-enonic acid, γ-lactone, monosodium salt; HSDB 741; Isoascorbic acid sodium salt; Isona; Mercate 20; Neo-cebitate®; Sodium isoascorbate. Antioxidant and antimicrobial agent used in meat, poultry, and seafood industries. Crystals; mp = 168-170°; $[\alpha]_D^{20}$ = 95° (c = 10 H_2O); very soluble in H_2O 916 g/100 ml). *Lancaster Synthesis Co.; PMP Fermentation Prods.; Rhône-Poulenc Food Ingredients.*

3427 Sodium ethoxide

141-52-6 8687 H



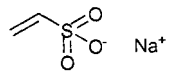
C_2H_5NaO

Sodium ethanolate.

AI3-52660; Caustic alcohol; EINECS 205-487-5; Ethanol, sodium salt; Ethoxysodium; Ethyl alcohol, sodium salt; HSDB 5637; Sodium ethanolate; Sodium ethoxide; Sodium ethylate.

3428 Sodium ethylenesulfonate

3039-83-6 H



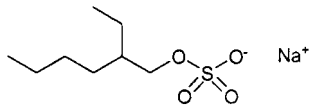
$C_2H_3NaO_3S$

Ethylenesulfonic acid, sodium salt.

EINECS 221-242-5; Ethenesulfonic acid, sodium salt; NSC 8957; Sodium ethenesulfonate; Sodium ethylenesulfon-ate; Sodium ethylenesulphonate; Sodium vinylsulfonate.

3429 Sodium 2-ethylhexyl sulfate

126-92-1 G



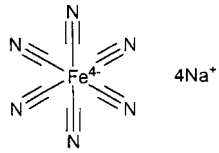
$C_8H_{17}NaO_4S$

Sodium 2-ethylhexyl-sulfate.

08-Union carbide; CCRIS 2461; EINECS 204-812-8; Emcol D 5-10; Emersal 6465; Etasulfate de sodium; Etasulfato sodico; Ethasulfate sodium; 2-ethyl-1-hexanol sulfate sodium salt; 2-Ethyl-1-hexanol sodium sulfate; 2-Ethyl-1-hexanol hydrogen sulfate sodium salt; 2-Ethylhexyl sodium sulfate; 2-Ethylhexylsiran sodny; 2-Ethylhexylsulfate sodium; Hexanol, 2-ethyl-, hydrogen sulfate, sodium salt; 1-Hexanol, 2-ethyl-, sulfate, sodium salt; 1-Hexanol, 2-ethyl-, hydrogen sulfate, sodium salt; HSDB 1314; Mono(2-ethylhexyl) sulfate sodium salt; Natrii etasulfas; NCI-C50204; NIA proof 08; Niaproof® Anionic Surfactant 08; NSC 4744; Pentrone ON; Propaste 6708; Rhodapon® BOS; Sipex bos; Sodium (2-ethylhexyl)alcohol sulfate; Sodium 2-ethylhexyl sulfate; Sodium etasulfate; Sodium ethasulfate; Sodium mono(2-ethylhexyl) sulfate; Sodium octyl sulfate, iso; Sodium octyl sulfate; Sodium(2-ethylhexyl)alcohol sulfate; Sole Tege TS-25; Sulfirol 8; Sulfuric acid, mono(2-ethylhexyl) ester, sodium salt; Tergemist; tergimist; Tergitol 08; Tergitol anionic 08. Biodegradable detergent, wetting agent, penetrant, emulsifier used in textile mercerizing, metal cleaning, electroplating, photo chemicals, adhesives, emulsion polymerization, household and industrial cleaners, agricultural, pharmaceuticals; stable to high concentrations of electrolytes. Used as a latex stabilizer, nickel brightener and in metal treatment. Liquid; bp = 96-104°; soluble in H_2O (>10 g/100 ml); $d_{21.7}$ = 1.114; insoluble in organic solvents; LD_{50} (rat orl) = 4 g/kg. *Niacet; Rhône Poulenc Surfactants.*

3430 Sodium ferrocyanide

13601-19-9 8689 G



$C_6FeN_6Na_4$

Sodium ferrocyanide.

AI3-28762; EINECS 237-081-9; Ferrate(4-), hexacyano-,

tetrasodium; Ferrate(4-), hexakis(cyano-C)-, tetrasodium; Ferrate(4-), hexakis(cyano-C)-, tetrasodium, (OC-6-11)-; HSDB 742; Sodium ferrocyanide; Sodium ferrocyanide ($Na_4(Fe(CN)_6)$); Sodium hexacyanoferrate(II); Sodium prussiate yellow; Tetrasodium ferrocyanide; Tetrasodium hexacyanoferrate; Tetrasodium hexacyanoferrate(4-); Yellow prussiate of soda. Manufacture of sodium ferricyanide, blue pigments, blueprint paper, anticaking agent for salt, ore flotation, pickling metals, polymerization catalyst, photographic fixative. [decahydrate]; pale yellow crystals; mp = 81.5°, dec 435°; soluble in H_2O (14%), insoluble in organic solvents. *Atomergic Chemetals; Degussa AG; Rit-Chem.*

3431 Sodium fluoride

7681-49-4 8691 D G P

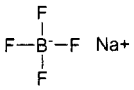
FNa

Hydrofluoric acid sodium salt.

AI3-01500; Alcoa sodium fluoride; Antibulit; Caswell No. 769; Cavitrol; CCRIS 1573; Chemifluor; Credo; Disodium difluoride; EINECS 231-667-8; EPA Pesticide Chemical Code 075202; F1-Tabs; FDA 0101; Floridine; Florocid; Flozenges; Fluonatril; Fluor-O-kote; Fluoraday; Fluoral; Fluorid sodny; Fluoride, sodium; Fluorident; Fluorigard; Fluorineed; Fluorinse; Fluoritab; Fluorocid; Fluorol; fluoros; Fluorure de sodium; Flura; Flura drops; Flura-gel; Flura-loz; Flurcare; Flurexal; Flursol; Flux; Fungol B; Gel II; GEL II; Gelution; Gleem; HSDB 1766; Iradicav; Kari-rinse; Karidium; Karigel; Koreberon; Lea-Cov; Lemoflur; Les-Cav; Liquiflur; Luride; Luride lozi-tabs; Luride SF; Minute-Gel; Na frinse; Nafeen; NaFpak; Natrium fluoride; NCI-C55221; Neutra Care; NSC 77385; Nufluor; Ossalin; Ossin; osteofluor; Osteopor-F; Pediaflor; Pedident; Pennwhite; Pergantene; Phos-Flur; Point two; Predent; Rafluor; Rescue squad; Roach salt; So-flo; SO-Flo; Sodium fluoride; Sodium fluoride (NaF); Sodium fluoride cyclic dimer; Sodium fluoride, solid (DOT); Sodium fluorure; Sodium hydrofluoride; Sodium monofluoride; Stay-Flo; Studafluor; Super-dent; T-Fluoride; Theraflur; Thera-flur-N; Trisodium trifluoride; UN1690; Villiaumite; Xaridium; Zymafluor. Fluoridation of municipal water, degassing steel, wood preservative, insecticide, fungicide, rodenticide, chemical cleaning, electroplating, glass manufacture, vitreous enamels, preservative for adhesives, toothpastes, disinfectants, dental prophylaxis. Registered by EPA as an insecticide and fungicide. Crystals; mp = 993°; bp ▫ 1704°; d = 2.78; soluble in H_2O (4 g/100 ml); insoluble in organic solvents; LD_{50} (rat orl) ▫ 0.18 g/kg. *Cerac; EM Ind. Inc.; General Chem; Hoechst Celanese; Solvay Deutschland GmbH; Whiting Peter Ltd.*

3432 Sodium fluoroborate

13755-29-8 8690 G



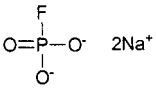
BF_4Na

Sodium tetrafluoroborate.

Apreton R; Borate(1-), tetrafluoro-, sodium; Boron sodium fluoride ($BNaF_4$); EINECS 237-340-6; NSC 77386; Pyricit; Sodium borofluoride; Sodium boron fluoride; Sodium boron tetrafluoride; Sodium fluoborate; Sodium fluoborate ($Na(BF_4)$); Sodium fluoroborate ($NaBF_4$); Sodium tetrafluoroborate; Sodium tetrafluoroborate(1-). Used as a fluorinating agent. Rectangular prisms; mp = 384°; d^{20} = 2.4700; soluble in H_2O (108 g/100 ml), less soluble in organic solvents.

3433 Sodium fluorophosphate

10163-15-2 G



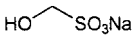
FNa_2O_3P

Disodium monofluorophosphate.

AI3-16931; Albaphos Dental Na 211; Disodium fluorophosphate; Disodium monofluorophosphate; Disodium phosphorofluoridate; EINECS 233-433-0; NSC 248; Phosphorofluoridic acid, disodium salt; Sodium fluorophosphate (Na_2PO_3F); Sodium monofluorophosphate; Sodium phosphorofluoridate. A fluorine-containing component for toothpastes, the toxic effects of which are only 1/3 of those of sodium fluoride. *Hoechst UK Ltd.*

3434 Sodium formaldehyde bisulfite

870-72-4 4260 G H



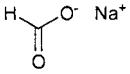
CH_3NaO_4S

Hydroxymethanesulfonic acid, monosodium salt.

AI3-23356; EINECS 212-800-9; Formaldehyde sodium bisulfite; Formbis; HSDB 5766; Hydroxymethanesulfonic acid, monosodium salt; Methylolsulfonic acid sodium salt; Monosodium hydroxymethanesulfonate; NSC 2441; Rongalit® C; Sodium formaldehyde bisulfite; Sodium hydroxymethanesulfonate; Sodium hydroxymethane-sulphonate. Reducing and discharge agent for textile printing. Needles; mp = 200°. *BASF Corp.*

3435 Sodium formate

141-53-7 8694 G H



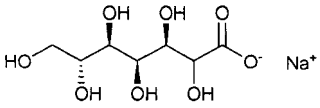
$CHNaO_2$

Formic acid, sodium salt.

CCRIS 1037; EINECS 205-488-0; Formax; Formic acid, sodium salt; HSDB 744; Mravencan sodny; NSC 77457; Salachlor; Sodium formate. A reducing agent, used in the manufacture of formic acid, oxalic acid and sodium dithionite, organic chemicals, mordant, complexing agent, analytical reagent (noble metal precipitant), buffering agent. Crystals; mp ▫ 253°; bp = 360°; d = 1.92; soluble in H_2O (77 g/100 ml), slightly soluble in EtOH, glycerol; LD_{50} (mus orl) = 11200 mg/kg. *Aqualon; Heico; Hoechst Celanese; May & Baker Ltd.; Perstorp AB; Spectrum Chem. Manufacturing.*

3436 Sodium glucoheptonate

31138-65-5 H



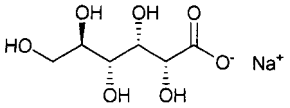
$C_7H_{13}NaO_8$

Monosodium D-glucoheptonate.

EINECS 250-480-2; D-Gluco-heptonic acid, monosodium salt, (2.xi)-; Monosodium D-glucoheptonate; Sodium glucoheptonate.

3437 Sodium gluconate

527-07-1 8695 G H



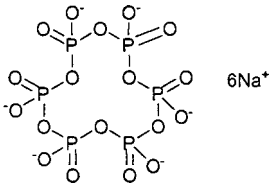
$C_6H_{11}NaO_7$

Monosodium D-gluconate.

EINECS 208-407-7; Glonsen; Gluconato di sodio; Gluconic acid, monosodium salt, D-; D-Gluconic acid, monosodium salt; Gluconic acid, sodium salt; Monosodium D-gluconate; Monosodium gluconate; Pasexon 100T; Sodium D-gluconate; Sodium gluconate. As sequestering agent; in metal plating, tanning of hides, mordants for fabrics, paints; rust remover; mineral source in foods and pharmaceuticals. Soluble in H_2O (59 g/100 ml), less soluble in organic solvents. *Akzo Chemie; Albright & Wilson Americas Inc.; Pfizer Inc.; PMP Fermentation Prods.; Rit-Chem.*

3438 Sodium hexametaphosphate

10124-56-8 G



$Na_6O_{18}P_6$

Metaphosphoric acid, hexasodium salt.

Calgon; Calgon (old); Calgon S; Caswell No. 772; Chemi-charl; EINECS 233-343-1; EPA Pesticide Chemical Code 076402; FEMA 3027; Graham's salt; Hexameta-phosphate, sodium salt; Hexasodium hexametaphos-phate; Hexasodium metaphosphate; HMP; HSDB 5053; Kalex; Medi-Calgon; Metaphosphoric acid ($H_6P_6O_{18}$), hexasodium salt; Metaphosphoric acid, hexasodium salt; Natrium hexametaphosphat; Phosphate, sodium hexameta; Polyphos; SHMP; Sodaphos; Sodium hexa-metaphosphate; Sodium hexametaphosphate ($Na_6P_6O_{18}$); Sodium metaphosphate; Sodium phosphate, tribasic; Sodium polymetaphosphate. Sequestering agent for calcium and magnesium ions for certain sensitive textile application. Used in water softeners and detergents such as Calgon, Giltex; Quadrafos, Hagan Phosphate and Micromet. Also used in leather tanning, dyeing, laundries and textile processing. Crystals; mp = 628°; soluble in H_2O. *FMC Corp.; Hart Prod.*

3439 Sodium hyaluronate

9067-32-7 4776 G V

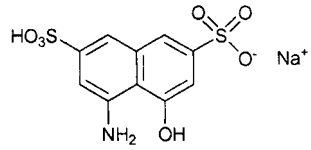
$(C_{14}H_{20}NNaO_{11})_x$

Hyaluronic acid, sodium salt.

ARTZ; CCRIS 4127; Connettivina; Equron (Veterinary); Healon; Healonid; Hyacid; Hyalgan; Hyalovet; Hyaluronate Sodium; Hyalurone sodium; Hyaluronic acid, sodium salt; Hyaluronic acid sodium; Hyonate; Ial; Legend; NRD101; Opegan; Provisc; SI-4402; SL-1010; Sodium hyaluronate; SPH; Synacid (veterinary). Protein for use in skin and hair care preparations. Used as an aid in ophthalmology. In veterinary medicine, used to treat non-infectious synovitis and osteoarthritis in dogs and horses. Crystals; $[\alpha]_D^{25}$= -74° (c = 0.35 H_2O). *Rita.*

3440 Sodium hydrogen 4-amino-5-hydroxy-naphthalene-2,7-disulfonate

5460-09-3 H



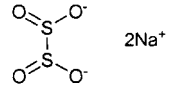
$C_{10}H_8NNaO_7S_2$

2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt.

4-Amino-5-hydroxy-2,7-naphthalenedisulfonic acid, monosodium; 8-Amino-1-naphthol-3,6-disulfonic acid monosodium salt; Ash acid; EINECS 226-736-4; H acid monosodium salt; 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt; NSC 8632; Sodium hydrogen 4-amino-5-hydroxynaphthalene-2,7-disulphon-ate.

3441 Sodium hydrosulfite

7775-14-6 8700 G



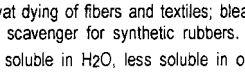
$Na_2O_4S_2$

Disodium dithionite.

Blankit; Blankit IN; Burmol; Caswell No. 774; CCRIS 1428; combustible]; Disodium dithionate; Disodium dithionite; Disodium hydrosulfite; Dithionous acid, disodium salt; EINECS 231-890-0; EPA Pesticide Chemical Code 078202; HSDB 746; Hydros; Hydrosulfite R Conc; Sodium dithionate; Sodium dithionite; Sodium hydrosulfite; Sodium hydrosulfite ($Na_2S_2O_4$); Sodium hydrosulphite; Sodium hyposulfite; Sodium sulfoxylate; UN1384; V-Brite B; Vatrolite. Used as a chemical reagent for the reduction of aldehydes and ketones to alcohols; vat dying of fibers and textiles; bleaching sugar, soap, oils; oxygen scavenger for synthetic rubbers. Gray-white crystals; mp = 52°; soluble in H_2O, less soluble in organic solvents. *BASF Corp.; Farleyway Chem. Ltd.; Henkel/Organic Prods.; Hoechst Celanese; Mitsubishi Gas; Morton Intn'l.; Nissan Chem. Ind.; Olin Corp.*

3442 Sodium hydroxide

1310-73-2 8701 G



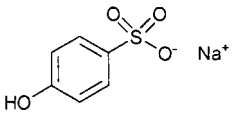
HNaO

Caustic soda.

Aetznatron; Ascarite; Caswell No. 773; Caustic soda; Collo-Grillrein; Collo-Tapetta; EINECS 215-185-5; EPA Pesticide Chemical Code 075603; Fuers Rohr; HSDB 229; Hydroxyde de sodium; Lewis-red devil lye; Liquid-plumr; Natrium causticum; Natrium-hydroxid, reinstes; Natriumhydroxid; Natriumhydroxyde; NSC 135799; Plung; Rohrputz; Rohrreiniger Rofix; Soda, caustic; Soda, hydrate; Soda, kaustische; Soda lye; Sodio(idrossido di); Sodium hydrate; Sodium hydroxide; Sodium(hydroxyde de); UN 1823 (solid); UN 1824 (solution); White caustic; White caustic solution. Used in chemical manufacturing, rayon, cellophane, neutralizing agent in petroleum refining; textile processing; pulp, paper, soaps; vegetable oil refining; reclaiming rubber; food additive; etching and electroplating. White flakes; mp = 318°; bp = 1390°; SG = 1.045; soluble in H_2O (0.5 g/ml); LD_{50} (rbt orl) = 500 mg/kg (10% solution). *Akzo Chemie; Asahi Chem. Industry; Asahi Denka Kogyo; Elf Atochem N. Am.; Georgia Gulf; Georgia Pacific; ICI Spec.; Nissan Chem. Ind.; Norsk Hydro AS; Olin Corp; OxyChem; Rasa.*

3443 Sodium p-hydroxybenzenesulfonate

825-90-1 H



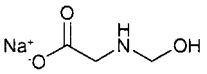
$C_6H_5NaO_4S$

Sodium p-hydroxybenzenesulfonate.

Benzenesulfonic acid, 4-hydroxy-, monosodium salt; Benzenesulfonic acid, p-hydroxy-, monosodium salt; EINECS 212-550-0; 4-Hydroxybenzenesulfonic acid, monosodium salt; p-Hydroxybenzenesulfonic acid, monosodium salt; NSC 147483; Sodium 4-hydroxy-benzenesulphonate; Sodium p-hydroxybenzenesulfon-ate; Sodium p-hydroxyphenylsulphonate.

3444 Sodium hydroxymethylamino aAcetate

70161-44-3 G P



$C_3H_6NNaO_3$

Sodium hydroxymethyl glycinate.

Glycine, N-(hydroxymethyl)-, monosodium salt; Hydroxy-methylaminoacetic acid, sodium salt; N-(Hydroxy-methyl)glycine, monosodium salt; Sodium hydroxy-methylamino acetate; Sodium N-(hydroxymethyl)-glycinate; Suttocide® A. Antimicrobial preservative for cosmetics. Used as an industrial preservative for coatings, adhesives, printing inks, pastes, and polishes. Registered by EPA as an antimicrobial and disinfectant. *ISP; Sutton Labs.*

3445 Sodium hydroxytriphenylborate

12113-07-4 H

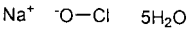
$C_{18}H_{16}BNaO$

Sodium hydroxytriphenylborate(1-).

Borate(1-), hydroxytriphenyl-, sodium, (T-4)-; EINECS 235-171-2; Sodium hydroxytriphenylborate; Sodium hydroxytriphenylborate(1-).

3446 Sodium hypochlorite

7681-52-9 8702 D G P V



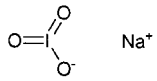
$ClNaO.5H_2O$

Sodium hypochlorite pentahydrate.

AD Gel; Adeka Hypote; Antiformin; B-K liquid; Carrel-Dakin solution; Caswell No. 776; CCRIS 708; Chlorinated water (sodium hypochlorite); Chloros; Chlorox; Cloralex; Cloropool; Clorox; Clorox liquid bleach; Dakin's solution; Deosan; Deosan Green Label Steriliser; Dispatch; EINECS 231-668-3; EPA Pesticide Chemical Code 014703; Hospital Milton; Household bleach; HSDB 748; Hyclorite; Hypochlorite sodium; Hypochlorous acid, sodium salt; Hyposan and Voxsan; Hypure; Hypure N; Javel water; Javelle water; Javex; Klorocin; Milton; Milton Crystals; Modified Dakin's solution; Neo-cleaner; Neoseptal CL; Parozone; Purin B; Sodium hypochlorite; Sodium hypochlorite (NaOCl); Sodium oxychloride; Solutions, Dakin's; Sunnysol 150; Surchlor; UN 1791; XY 12; Youxiaolin; Hychlorite; Javelle water; Mera industries 2MOM3B; Milton; Modified dakin's solution; Piochlor. Bleaching paper, pulp and textiles; intermediate; organic chemicals; water purification; medicine; fungicide; swimming pool disinfectant; laundering; *reagent; germicide.* Widely used as a bleach and water disinfectant. Registered by EPA as an antimicrobial and fungicide. Used in veterinary medicine as an anti-infective and topical antiseptic - a diluted soda solution used as an antiseptic for wound irrigation. Crystals; mp = 18°; d = 1.250; soluble in H_2O (29 g/100 ml). *Asahi Denka Kogyo; Mann George; Norsk Hydro AS; Olin Corp; OxyChem; Showa Denko.*

3447 Sodium iodate

7681-55-2 8704 D G V



$INaO_3$

Iodic acid sodium salt.

EINECS 231-672-5; HSDB 749; Iodic acid, sodium salt; Iodic acid (HIO_3), sodium salt; Natriumjodat; NSC 77387; Sodium iodate. Antiseptic, disinfectant, feed additive reagent. Used medicinally as an antiseptic, particularly in mucous membranes. Solid; d = 4.28; soluble in H_2O (9 g/100 ml), insoluble in organic solvents; LD (dog iv) = 200 mg/kg. *Atomergic Chemetals; Mallinckrodt Inc.*

3448 Sodium iodide

7681-82-5 8705 D G

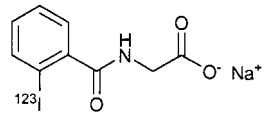
INa

Hydriodic acid sodium salt.

Caswell No. 777; EINECS 231-679-3; EPA Pesticide Chemical Code 075702; HSDB 750; Iodure de sodium; Iodurit; Jodid sodny; Natrii iodidum; Natriumjodid; NSC 77388; Sodium iodide; Sodium iodide (NaI); Sodium monoiodide; Soiodin. Photography, solvent for iodine, organic chemicals, reagent, feed additive, cloud seeding, scintillation. Used in medicine as an iodine supplement and expectorant. White crystals; mp = 651°; bp = 1300°; d = 3.67; soluble in H_2O (200 g/100 ml), less soluble in organic solvents; MLD (rat iv) = 1.3 g/kg. *EM Ind. Inc.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

3449 Sodium iodohippurate

133-17-5 5056 G



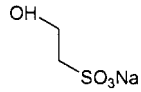
$C_9H_7{}^{123}INNaO_3$

N-(2-Iodobenzoyl)glycine monosodium salt.

EINECS 205-097-5; Glycine, N-(2-iodobenzoyl)-, mono-sodium salt; Hippodin; Hippuran; Hippuran-^{131}I; Hippuric acid, o-iodo-, monosodium salt; Iodairal; Iodohippura; Iodohippuran; Iodohippurate sodium; o-Iodohippurate sodium; Jodairol; o-Jodhippursaeure natrium; Medopaque; Nephroflow; NSC 63351; Orthoiodin; Renumbral; Sodium 2-iodohippurate; Sodium iodohippurate; Sodium o-iodohippurate; Sodium orthoiodohippurate; Urocontrast. Diagnostic aids; The unlabelled form provides a radiopaque medium, the radioactive (^{131}I) form serves as a radioactive imaging agent. Soluble in H_2O. *Mallinckrodt Inc.; Medi-Physics Inc.*

3450 Sodium isethionate

1562-00-1 G H



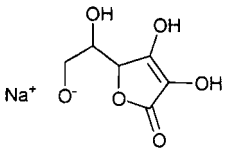
$C_2H_5NaO_4S$

Sodium 1-hydroxy-2-ethanesulfonate.

2-Hydroxyethanesulfonic acid sodium salt; EINECS 216-343-6; Ethanesulfonic acid, 2-hydroxy-, monosodium salt; Ethanesulfonic acid, 2-hydroxy-, sodium salt; HSDB 5838; Isethionic acid sodium salt; NSC 124283; Sodium β-hydroxyethanesulfonate; Sodium 1-hydroxy-2-ethane-sulfonate; Sodium 2-hydroxy-1-ethanesulfonate; Sodium 2-hydroxyethanesulfonate; Sodium 2-hydroxyethane-sulphonate; Sodium 2-hydroxyethyl sulfonate; Sodium 2-hydroxyethylsulfonate; Sodium hydroxyethylsulfonate; Sodium isethionate; Witconate NIS. Detergent, foaming agent, and wetting agent. *CK Witco Corp.*

3451 Sodium isoascorbate

7378-23-6 H



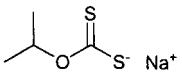
$C_6H_7NaO_6$

D-erythro-Hex-2-enonic acid, γ-lactone, sodium salt.

EINECS 230-938-8; D-erythro-Hex-2-enonic acid, γ-lactone, sodium salt; Isoascorbic acid, sodium salt.

3452 Sodium isopropyl xanthate

140-93-2 8708 G H P



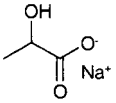
$C_4H_7NaOS_2$

Sodium O-isopropyl dithiocarbonate.

Aeroxanthate 343; AI3-18899; Caswell No. 788; EINECS 205-443-5; EPA Pesticide Chemical Code 076301; Good-rite NIX; HSDB 5633; O-Isopropyl sodium dithio-carbonate; Isopropylxanthic acid, sodium salt; Isopropylxanthogenan sodny; Natrium-O-isopropyl-dithiokarbonat; NIX; NSC 35596; Proxan sodium; Proxan-sodium; Sodium isopropyl xanthate; Xanthic acid, isopropyl-, sodium salt; Z 11. Used in the mining industry and as a weed control in bean and pea crops. *Am. Cyanamid.*

3453 Sodium lactate

72-17-3 8709 G



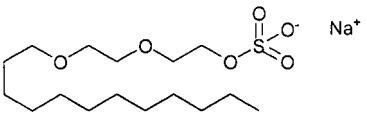
$C_3H_5NaO_3$

2-Hydroxypropanoic acid, monosodium salt.

AI3-03131; CCRIS 7316; EINECS 200-772-0; EINECS 206-231-5; Lacolin; Lactic acid, monosodium salt; Lactic acid sodium salt; Monosodium 2-hydroxypropanoate; Monosodium lactate; NSC 31718; Per-glycerin; Propan-oic acid, 2-hydroxy-, monosodium salt; Sodium (dl)-lactate; Sodium α-hydroxypropionate; Sodium lactate. Hygroscopic agent; glycerol substitute; plasticizer for casein; corrosion inhibitor in alcoholic antifreeze; electrolyte replenisher. Colorless, viscous, odorless liquid; d = 1.326; soluble in H_2O. *Am. Biorganics; EM Ind. Inc.; Greeff R.W. & Co.; Patco; Rita; Verdugt BV.*

3454 Sodium laureth sulfate

3088-31-1 H



$C_{16}H_{33}NaO_6S$

Ethanol, 2-(2-(dodecyloxy)ethoxy)-, hydrogen sulfate, sodium salt.

Diethylene glycol monododecyl ether sodium sulfate; EINECS 221-416-0; HSDB 6143; Lauryl diethylene glycol ether suifonate sodium; PEG-(1-4) Lauryl ether sulfate, sodium salt; Poly(oxy-1,2-ethanediyl), α-sulfo-ω(dodecyl-oxy)-, sodium salt; Polyethylene glycol (1-4) lauryl ether sulfate, sodium salt; Polyoxyethylene (1-4) lauryl ether sulfate, sodium salt; Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate; Sodium diethylene glycol dodecyl ether sulfate; Sodium dioxyethylenedodecyl ether sulfate; Sodium laureth sulfate; Sodium lauryl alcohol diglycol ether sulfate; Sodium lauryl di(oxyethyl) sulfate; Sodium lauryl ether sulfate; Sodium lauryloxyethoxyethyl sulfate; Sodium polyoxyethylene lauryl sulfate; Tergentol.

3455 Sodium laureth sulfate

9004-82-4 E G

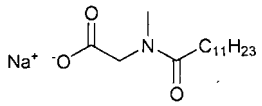
$CH_3(CH_2)_{10}CH_2(OCH_2CH_2)_nOSO_3Na$

Sodium lauryl ether sulfate (n=1-4).

α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl) sodium salt; Avirol 100E; Conco Sulfate WE; Cycloryl NA; Dodecanol, ethoxylated, monoether with sulfuric acid, sodium salt; Elfan 242; Elfan NS 242; Elfan NS 243; Empicol ESB 3; Empicol ESB 30; Empimin KSN; Empimin KSN 27; Empimin KSN 60; Empimin KSN 70; Etoxon EPA; Glycols, polyethylene, mono(hydrogen sulfate), dodecyl ether, sodium salt; HSDB 752; Laureth-8 carboxylic acid, sodium salt; Maprofix 60S; Maprofix ES; PEG-5 Lauryl ether sulfate, sodium salt; PEG-7 Lauryl ether sulfate, sodium salt; PEG-8 Lauryl ether sulfate, sodium salt; PEG-12 Lauryl ether sulfate, sodium salt; Poly(oxy-1,2-ethanediyl), α-sulfo-ω-(dodecyloxy)-, sodium salt; Polyethylene glycol (5) lauryl ether sulfate, sodium salt; Polyethylene glycol (7) lauryl ether sulfate, sodium salt; Polyethylene glycol 400 lauryl ether sulfate, sodium salt; Polyethylene glycol 600 lauryl ether sulfate, sodium salt; Polyethylene glycol sulfate monododecyl ether sodium salt; Polyoxyethylene (5) lauryl ether sulfate, sodium salt; Polyoxyethylene (7) lauryl ether sulfate, sodium salt; Polyoxyethylene (8) lauryl ether sulfate, sodium salt; Polyoxyethylene (12) lauryl ether sulfate, sodium salt; Retzolate 60; Rewopol NL-2; Rhodapex ESY; Sipon ES; Sipon ESY; Sipon LES 25; Sodium (lauryloxypolyethoxy)-ethyl sulfate; Sodium dodecylpoly(oxyethylene) sulfate; Sodium laureth sulfate; Sodium laureth-5 sulfate; Sodium laureth-7 sulfate; Sodium laureth-8 sulfate; Sodium laureth-12 sulfate; Sodium lauryl ether sulfate; Sodium lauryl sulfate ethoxylate; Sodium laurylpoly(oxyethylene) sulfate; Sodium polyoxyethylene (5) lauryl ether sulfate; Sodium polyoxyethylene (7) lauryl ether sulfate; Sodium polyoxyethylene (8) sulfate; Sodium polyoxyethylene (12) lauryl ether sulfate; Standapol ES 2; Standapol ES-3; Texapon N40; Witcolate ES-2, Witcolate LES-60C; Zetesol LES 2; poly(oxyethylene) lauryl ether sulfate sodium salt; polyethylene glycol, mono(hydrogen sulfate), dodecyl ether, sodium salt. Foam stabilizer, detergent, flash foamer, wetter for detergent systems, personal care products; emulsion polymerization; shampoo base. *Chemron; CK Witco Chem. Corp.; Lonzagroup; Norman-Fox; Pilot; Sandoz; Stepan; Unger Fabrik Chem. Ind.; Vista.*

3456 Sodium lauroyl sarcosinate

137-16-6 4383 G H



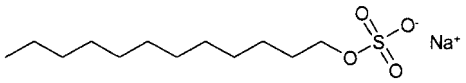
$C_{15}H_{28}NNaO_3$

Sodium N-methyl-N-(1-oxododecyl)glycinate.

Caswell No. 778B; Compound 105; Crodasinic LS30; EINECS 205-281-5; EPA Pesticide Chemical Code 000174; Gardol; Gardol; Hamposyl L-30; Lauroyl-sarcosine sodium salt; Maprosyl 30; Medialan LL-99; NSC 117874; Sarcosine, N-lauroyl-, sodium salt; Sarcosyl NL; Sarcosyl NL 30; Sarkosyl NL; Sarkosyl NL 30; Sarkosyl NL 35; Sarkosyl NL 97; Sarkosyl NL 100; Sodium lauroyl sarcosinate; Sodium N-lauroylsarcosine; Sodium N-methyl-N-(1-oxododecyl)glycinate; Vanseal® NALS-30; Zoharsyl L-30. Foaming, wetting agent and detergent for acidic conditions; corrosion inhibitor; bacteriastat and inhibitor; used in dental care preparations, pharmaceuticals, personal care products, household and industrial applications. Biodegradable surfactant, foaming and wetting agent, detergent, foam booster for soaps, bath gels, shampoos, shaving creams, dentifrices, rug shampoos, oven cleaners, dishwash, textile/leather processing; offers tolerance to hard water, mildness. Raw material for manufacturing of hair shampoos, con-ditioners, toothpastes, carpet and upholstery shampoos; anticorrosive properties. Solid; slightly souble in H_2O. *Croda; Grace W.R. & Co.; Vanderbilt R.T. Co. Inc.*

3457 Sodium lauryl sulfate

151-21-3 8710 G P



$C_{12}H_{25}NaO_4S$

Dodecyl alcohol, hydrogen sulfate, sodium salt.

AI3-00356; Akyposal SDS; Anticerumen; Aquarex ME; Aquarex methyl; Avirol 101; Avirol 118 conc; Berol 452; Carsonol SLS; Carsonol SLS Paste B; Carsonol SLS Special; Caswell No. 779; CCRIS 6272; Conco sulfate; Conco sulfate WA; Conco sulfate WA-1200; Conco sulfate WA-1245; Conco sulfate WN; Conco Sulfate WAG; Conco Sulfate WAN; Conco Sulfate WAS; CP 75424; Cycloryl; Cycloryl 21; Cycloryl 31; Cycloryl 580; Cycloryl 585N; Dehydag sulfate GL emulsion; Dehydag sulphate GL emulsion; Dehydrag sulfate gl emulsion; Detergent 66; Dodecyl sodium sulfate; Dreft; Dupanol WAQ; Duponal; Duponal WAQE; Duponol; Duponol C; Duponol ME; Duponol methyl; Duponol QC; Duponol QX; Duponol WA; Duponol WA Dry; Duponol WAQ; Duponol WAQA; Duponol WAQE; Duponol WAQM; EINECS 205-788-1; EMAL O; EMAL 10; Emersal 6400; Empicol; Empicol LPZ; Empicol LS 30; Empicol LX 28; Emulsifier No. 104; EPA Pesticide Chemical Code 079011; Finasol osr2; Gardinol; Hexamol SLS; HSDB 1315; Incronol SLS; Irium; Jordanol SL-300; Lanette wax-S; Lauryl sodium sulfate; Lauryl sulfate, sodium salt; Laurylsiran sodny; Maprobix NEU; Maprofix; Maprofix 563; Maprofix LK; Maprofix NEU; Maprofix WAC; Melanol; Melanol CL; Melanol CL 30; Monagen Y 100; Monododecyl sodium sulfate; Monogen Y 100; Montopol LA paste; NALS; Natrium lauryl-sulfuricum; Natriumlaurylsulfat; NCI-C50191; Neutra-zyme; Nikkol SLS; NSC 402488; Odoripon AL 95; Orvus WA paste; P and G emulsifier 104; Perklankrol ESD 60; Perlandrol L; Perlankrol L; Product No. 75; Product No. 161; Quolac EX-UB; Rewopol NLS 30; Richonol; Richonol A; Richonol AF; Richonol C; SDS; Sinnopon; Sinnopon LS 100; Sinnopon LS 95; Sintapon L; Sipex; Sipex OP; Sipex SB; Sipex SD; Sipex SP; Sipex UB; Sipon; Sipon LS; Sipon LS 100; Sipon LSB; Sipon PD; Sipon WD; SLS; Sodium dodecyl sulfate; Sodium dodecyl sulphate; Sodium lauryl sulfate; Sodium lauryl sulphate; Sodium monododecyl sulfate; Sodium monolauryl sulfate; Solsol needles; Standapol; Standapol 112 conc; Standapol WA-AC; Standapol WAQ; Standapol WAQ Special; Standapol WAS 100; Steinapol NLS 90; Steinapol NLS 90; Stepanol; Stepanol ME; Stepanol ME Dry; Stepanol ME Dry AW; Stepanol methyl; Stepanol methyl dry AW; Stepanol T 28; Stepanol WA; Stepanol WA-100; Stepanol WA paste; Stepanol WAC; Stepanol WAQ; Sterling WA paste; Sterling WAQ-CH. Detergent used in shampoos and other cosmetic products. Registered by EPA as an antimicrobial, fungicide, insecticide and rodenticide. Cream-colored crystals; mp = 204-207°; soluble in H_2O (10 g/100 ml); LD_{50} (rat orl) = 1288 mg/kg. *Growth Plus Laboratories.*

3458 Sodium magnesium silicate

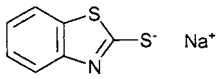
53320-86-8 G

Sodium magnesium silicate.

EINECS 258-476-2; Laponite® XLG, D; Lithium magnesium sodium silicate; Silicic acid, lithium magnesium sodium salt; Sodium magnesium silicate; Synthetic magnesium lithium silicate; Synthetic magnesium silicateLaponite® XLG, D. Inert base/carrier for active ingredients; suspending agent; promotes thixotropy giving stable suspensions; thickens cosmetic, toiletry creams, lotions, toothpaste products. *Laporte Fine Chem.*

3459 Sodium 2-mercaptobenzothiazolate

2492-26-4 G P



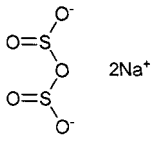
$C_7H_4NNaS_2$

Sodium benzothiazolethiolate.

AI3-17229; Benzothiazolethiol, sodium salt; Caswell No. 541C; Duodex; EINECS 219-660-8; EPA Pesticide Chemical Code 051704; HSDB 6141; Mercapto-benzothiazole sodium salt; Nacap®; NaMBT; NSC 191935; Nuodex 84; Sodium MBT; Sodium mercapto-benzothiazolate; Vancide 51. Metal deactivator; corrosion inhibitor for water, alcohol, and glycol systems; used in antifreeze; chemical intermediate. Antimicrobial preservative for fibrous substrates, adhesives and aqueous emulsions. Fungicide. Registered by EPA as an antimicrobial and fungicide. Liquid; mp = -6°; bp = 103°; d = 1.25; soluble in H_2O (>10 g/100 ml). *Degussa-Hüls Corp.; Vanderbilt R.T. Co. Inc.*

3460 Sodium metabisulfite

7681-57-4 8712 G



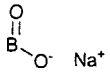
$Na_2O_5S_2$

Disulfurous acid, disodium salt.

AI3-51684; Campden Tablets; CCRIS 3951; Disodium disulfite; Disodium disulphite; Disodium metabisulfite; Disodium pyrosulfite; Disulfurous acid, disodium salt; EINECS 231-673-0; Fertisilo; HSDB 378; Natrii disulfis; Natrium metabisulfurosum; Natrium pyrosulfit; Natrium-bisulfit; Natriummetabisulfit; Pyrosulfurous acid, disod-ium salt; Sodium bisulfite anhydrous; Sodium disulfite; Sodium metabisulfite; Sodium metabisulphite; Sodium pyrosulfite; Sodium pyrosulfite ($Na_2S_2O_5$). Used in foods, as a preservative, antioxidant, laboratory reagent. Antioxidant used in pharmaceuticals. Solid; soluble in H_2O, slightly soluble in EtOH. *BASF Corp.; Blythe, Williams Ltd.; EM Ind. Inc.; General Chem; Mallinckrodt Inc.*

3461 Sodium metaborate

7775-19-1 8713 G P



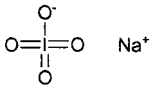
$BNaO_2$

Monosodium metaborate.

Boric acid (HBO_2), sodium salt; Boric acid, monosodium salt; Borosoap; Caswell No. 779AA; EINECS 231-891-6; EPA Pesticide Chemical Code 011104; HSDB 5045; Kodalk; Rasorite; Sodium borate; Sodium borate ($NaBO_2$); Sodium metaborate; Sodium metaborate, anhydrous. Used in herbicides. Registered by EPA as a fungicide, herbicide and insecticide. White powder; mp ▫ 966°; soluble in H_2O. *Ashland; Borax Consolidated Ltd; Borax Europe Ltd; U.S. Borax.*

3462 Sodium metaperiodate

7790-28-5 8714 G



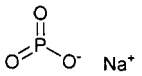
$INaO_4$

Sodium periodate.

EINECS 232-197-6; Metaperiodate; Periodic acid (HIO_4), sodium salt; Periodic acid, sodium salt; Sodium metaperiodate; Sodium periodate. Source of periodic acid, analytical reagent, oxidizing agent. Crystals; mp = 300°; d_4^{16} = 3.865; soluble in H_2O; trihydrate: dec 175°; d_4^{18} = 3.219; soluble in H_2O (0.12 g/ml). *Atomergic Chemetals; Noah Chem.*

3463 Sodium metaphosphate

10361-03-2 5668 G



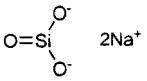
$(NaPO_3)_n$, n = 3-10

Sodium metaphosphate.

EINECS 233-782-9; Graham's salt; HSDB 5055; Insoluble metaphosphate; Insoluble sodium metaphosphate; Kurrol's salt; Maddrell's salt; Metafos; Metaphosphoric acid (HPO_3), sodium salt; Metaphosphoric acid, sodium salt; Poly(sodium metaphosphate); Polymeric sodium metaphosphate; Sodium Kurrol's salt; Sodium meta-phosphate; Sodium metaphosphate ($NaPO_3$); Sodium metaphosphate, insoluble; Sodium phosphate ($NaPO_3$); Sporix. (Cyclic) or larger (polymers); dental polishing agents, detergent builders, water softening, sequestrants, emulsifiers, food additives, textile processing, laundering. *Atomergic Chemetals.*

3464 Sodium metasilicate

6834-92-0 8716 G



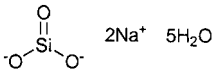
Na_2O_3Si

Silicic acid, disodium slat.

B-W; Crystamet; Disodium metasilicate; Disodium monosilicate; EINECS 229-912-9; HSDB 753; Metso 20; Metso beads 2048; Metso beads, drymet; Metso pentabead 20; Orthosil; Silicic acid (H_2SiO_3), disodium salt; Silicic acid, disodium salt; Simet A; Sodium metasilicate; Sodium metasilicate (Na_2SiO_3); Sodium metasilicate, anhydrous; Sodium silicate; Water glass. Inorganic salt used in cosmetics, laundry, dairy, and metal cleaning as soap builder and detergent, bleaching agent; as flocculant and dispersant in metallurgy and mining. Solid; mp = 1089°; d = 2.614; soluble in cold H_2O, insoluble in organic solvents. *Eka Nobel Ltd.; PQ Corp.; Rhône-Poulenc.*

3465 Sodium metasilicate pentahydrate

10213-79-3 G



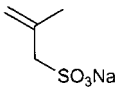
$Na_2O_3Si.5H_2O$

Sodium metasilicate pentahydrate.

Silicic acid, disodium salt, pentahydrate; Sodium metasilicate pentahydrate. Ingredient in detergents for food processing equipment and general cleaning in dairies, bakeries, packing houses, in laundry, textile, paper, oil, metal industries. *OxyChem; PQ Corp.*

3466 Sodium methallylsulfonate

1561-92-8 G



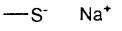
$C_4H_7NaO_3S$

Sodium 2-methylprop-2-ene-1-sulfonate.

AI3-16415; EINECS 216-341-5; Geropon® MLS/A; Methallyl sulfonate; Methallylsulfonic acid, sodium salt; 2-Methyl-2-propene-1-sulfonic acid, sodium salt; NSC 2253; 2-Propene-1-sulfonic acid, 2-methyl-, sodium salt; Sodium 2-methyl-2-propenesulfonate; Sodium 2-methylprop-2-ene-1-sulphonate. Dye improver reactive co-monomer for acrylic fibers polymerization; reactive emulsifier or coemulsifier in latex emulsion polymerization. *Rhône-Poulenc.*

3467 Sodium methanethiolate

5188-07-8 H



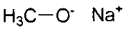
CH_3NaS

Methyl mercaptan sodium salt.

EINECS 225-969-9; Methanethiol, sodium salt; Methyl mercaptan sodium salt; Sodium methanethiolate; Sodium thiomethylate.

3468 Sodium methoxide

124-41-4 8717 H



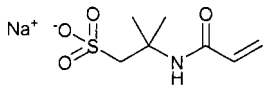
CH_3NaO

Sodium methanolate.

AI3-52659; EINECS 204-699-5; Feldalat NM; HSDB 755; Methanol, sodium salt; Methoxysodium; Methylate de sodium; Metilato sodico; Sodium methanolate; Sodium methoxide; Sodium methylate; UN1289; UN1431.

3469 Sodium 2-methyl-2-((1-oxoallyl)amino)-propanesulfonate

5165-97-9 H



$C_7H_{12}NaNO_4S$

1-Propanesulfonic acid, 2-acrylamido-2-methyl-, sodium salt.

2-Acrylamido-2-methylpropanesulfonic acid sodium salt; 2-Methyl-2-((1-oxo-2-propenyl)amino)-1-propanesulfonic acid, sodiumsalt; EINECS 225-948-4; 1-Propanesulfonic acid, 2-acrylamido-2-methyl-, sodium salt; Sodium 2-methyl-2-((1-oxoallyl)amino)propanesulphonate.

3470 Sodium molybdate

10102-40-6 8718 G

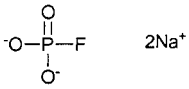
$MoNa_2O_4.2H_2O$

Sodium molybdate(VI) dihydrate.

CCRIS 3682; Disodium molybdate dihydrate; Molybdic acid, disodium salt, dihydrate; Molyhibit 100; Sodium molybdate; Sodium molybdate dihydrate; Sodium molybdate(VI) dihydrate; Anhydrous sodium molybdate [77631-95-0]. Reagent in analytical chemistry, used in manufacture of paint pigment, corrosion inhibitor, catalyst in dye and pigment production, additive for fertilizers and feeds, micronutrient. Crystalline powder; dec 100°; soluble in H_2O (60 g/100 ml). *AAA Molybdenum; Cerac; Climax Molybdenum Co.; Mallinckrodt Inc.; PMC.*

3471 Sodium monofluorophosphate

7631-97-2 G



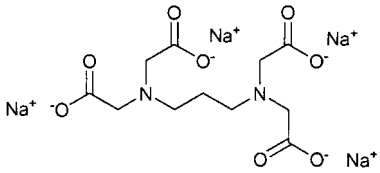
FNa_2O_3P

Monofluorophosphoric acid sodium salt.

EINECS 231-552-2; Fluorophosphoric acid, sodium salt; MFP; Phosphorofluoridic acid, sodium salt; SMFP; Sodium monofluorophosphate. Used in manufacture of toothpaste. *Albright & Wilson Americas Inc.; Elf Atochem N. Am.*

3472 Sodium N,N'-1,3-propanediylbis(N-(carboxymethyl))glycinate

18719-03-4 H



$C_{11}H_{14}N_2Na_4O_8$

Glycine, N,N'-1,3-propanediylbis(N-(carboxymethyl))-, tetrasodium salt.

Sodium N,N'-1,3-propanediylbis(N-(carboxymethyl))-gly-cinate; Glycine, N,N'-1,3-propanediylbis(N-(carboxy-methyl))-, tetrasodium salt.

3473 Sodium naphthenate

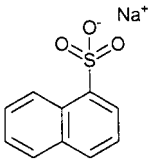
61790-13-4 H

Naphthenic acids, sodium salts.

Caswell No. 589E; EINECS 263-108-9; EPA Pesticide Chemical Code 589600; Naphthathenic soap; Naphthenic acid, sodium salt solution; Naphthenic acids, sodium salts; Sodium naphthenate solution.

3474 Sodium α-naphthylsulfonate

130-14-3 G



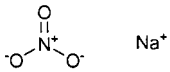
$C_{10}H_7NaO_3S$

Sodium naphthalene sulfonate.

Aerosol® NS; 1-Naphthalenesulfonic acid, sodium salt; EINECS 204-976-0; α-Naphthalenesulfonic acid sodium salt; NSC 37036; α salt; Sodium α-naphthalenesulfonate; Sodium α-naphthalenesulfonic acid; Sodium 1-naphthalenesulfonate; Sodium naphthalene-1-sulphonate. Dispersant for pigments, extenders and fillers. Usable in aqueous media over a wide pH range. *Am. Cyanamid.*

3475 Sodium nitrate

7631-99-4 8720 G P



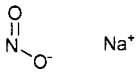
$NNaO_3$

Nitric acid sodium salt.

Caswell No. 781; CCRIS 558; Chile saltpeter; Cubic niter; EINECS 231-554-3; EPA Pesticide Chemical Code 076104; HSDB 726; Niter; Nitrate de sodium; Nitrate of soda; Nitratine; Nitric acid monosodium salt; Nitric acid, sodium salt; NSC 77390; Peri Saltpeter; Saliter; Saltpeter (Chile); Soda niter; Sodium nitrate; Sodium saltpeter; Sodium(I) nitrate (1:1); UN1498. Oxidizing agent; solid rocket propellants; fertilizer, flux, glass manufacture, pyrotechnics, dynamites; color fixative and preservative in cured meats, fish, enamel for pottery; modifying burning properties of tobacco. Registered by EPA as an antimicrobial and rodenticide. Used as a nitrogen fertilizer. Crystals; mp = 308°; d = 2.26; soluble in H_2O (0.9 g/ml), less soluble in organic solvents; LD_{50} (rbt orl) = 1.96 g/kg. *BASF Corp.; Faezy & Besthoff; Farleyway Chem. Ltd.; Mallinckrodt Inc.; Nissan Chem. Ind.; Spice King.*

3476 Sodium nitrite

7632-00-0 8721 D G P



$NNaO_2$

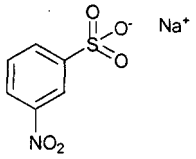
Nitrous acid sodium salt.

Anti-rust; Azotyn sodowy; Caswell No. 782; CCRIS 559; Diazotizing salts; Dusitan sodny; EINECS 231-555-9; EPA Pesticide Chemical Code 076204; Erinitrit; Filmerine; HSDB 757; Natrium nitrit; NCI-C02084; Nitrite de sodium; Nitrito sodico; Nitrous acid, sodium salt; NSC 77391; Sodium nitrite; Synfat 1004; UN1500. Diazo-tization, rubber accelerators, color fixative and pre-servative in cured meats, meat products, fish; pharm-aceuticals, photographic and analytical reagent, dye manufacture, Vasodilator and antidote for cyanide poisoning. Registered by EPA as an antimicrobial and rodenticide (cancelled). Has been used as a preservative in foods, it also imparts a fresh color to many foods. It is however carcinogenic and its use has been banned in Germany and Holland. Antidote to cyanide poisoning; vasodilator. Also used as a reagent in

manufacture of inorganic and organic compounds, as well as in textile dyeing and printing, photography, meat curing and preserving. Crystals; mp = 271°; dec > 320°; d = 2.17; soluble in H_2O (0.7 g/ml), less soluble in organic solvents; LD_{50} (rat orl) ■ 180 mg/kg. *BASF Corp.; DuPont; EM Ind. Inc.; Farleyway Chem. Ltd.; General Chem; ICI Spec.; PMC.*

3477 Sodium m-nitrobenzenesulfonate

127-68-4 H



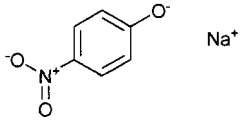
$C_6H_4NNaO_5S$

3-Nitrobenzenesulfonic acid sodium salt.

Benzenesulfonic acid, 3-nitro-, sodium salt; Benzene-sulfonic acid, m-nitro-, sodium salt; EINECS 204-857-3; HSDB 5614; Ludigol; Ludigol F,60; Nacan; m-Nitrobenzenesulfonic acid sodium salt; Nitrobenzen-m-sulfonan sodny; Nitrol S; NSC 9795; Sodium 3-nitrobenzenesulfonate; Sodium 3-nitrobenzenesulphon-ate; Tiskan.

3478 Sodium p-nitrophenolate

824-78-2 H P



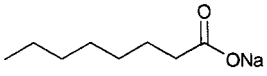
$C_6H_5NaNO_3$

Sodium 4-nitrophenolate.

AI3-09021; Atonik; EINECS 212-536-4; EPA Pesticide Chemical Code 129077; HSDB 2592; Phenol, 4-nitro-, sodium salt; Phenol, p-nitro-, sodium salt; PNSP; Sodium 4-nitrophenolate; Sodium 4-nitrophenoxide; Sodium nitrophenate; Sodium p-nitrophenate; *Sodium p-nitro-phenol; Sodium p-nitrophenolate; Sodium p-nitro-phenoxide.* Plant growth regulator. Registered by EPA as a plant growth regulator. *Asahi Chem. Industry.*

3479 Sodium octanoate

1984-06-1 G H



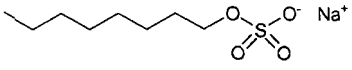
$C_8H_{15}NaO_2$

n-Octanoic acid, sodium salt.

AI3-50473; Caprylic acid sodium salt; EINECS 217-850-5; HSDB 5862; Natrium octanoat; Octanoic acid, sodium salt; Sodium caprylate; Sodium n-octanoate; Sodium octanoate; Sodium octoate. Source of caprylic acid, an intermediate in manufacture of dyestuffs and surfactants. *Hart Prod.; Penta Mfg.; Sigma-Aldrich Fine Chem.*

3480 Sodium octyl sulfate

142-31-4 G



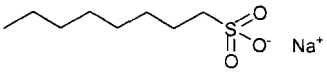
$C_8H_{17}NaO_4S$

Sulfuric acid, monooctyl ester, sodium salt.

Cycloryl OS; Duponol 80; EINECS 205-535-5; Octyl sodium sulfate; Octyl sulfate, sodium salt; Rhodapon® OLS; Sipex ols; Sodium capryl sulfate; Sodium octyl sulphate; SOS. Used as a wetting agent; rinse aid for industrial, institutional and household cleaners; mercerizing agent for cotton goods; surfactant in electrolyte baths for metal cleaning; hard surface cleaning; neoprene dispersant; emulsifier for emulsion polymerization. *Rhône Poulenc Surfactants.*

3481 Sodium octylsulfonate

5324-84-5 H



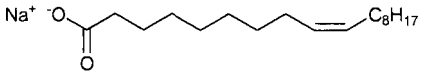
$C_8H_{17}NaO_3S$

1-Octanesulfonic acid, sodium salt.

EINECS 226-195-4; NSC 2738; 1-Octanesulfonic acid, sodium salt; Sodium 1-octanesulfonate; Sodium octane-1-sulphonate monohydrate; Sodium octanesulfonate; Sodium octylsulfonate.

3482 Sodium oleate

143-19-1 6898 P G



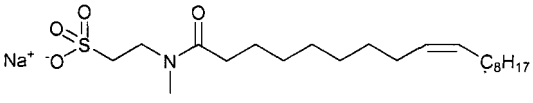
$C_{18}H_{33}NaO_2$

Sodium 9-octadecenoate.

AI3-19806; CCRIS 1964; EINECS 205-591-0; Eunatrol; HSDB 758; 9-Octadecenoic acid, sodium salt; 9-Octadecenoic acid, sodium salt, (Z)-; 9-Octadecenoic acid (Z)-, sodium salt; 9-Octadecenoic acid (9Z)-, sodium salt; Olate flakes; Oleic acid sodium salt; Osteum; Potassium oleate; Sodium 9-octadecenoate; Sodium 9-octadecenoate, (Z)-; Sodium oleate. Used for ore flotation, waterproofing textiles and emulsification of oil/water systems. Solid; mp = 232-235°; soluble in H_2O (10 g/100 ml), less soluble in EtOH, organic solvents. *Hart Prod.; Lancaster Synthesis Co.; Norman-Fox; Witco/Humko.*

3483 Sodium oleylmethyltauride

137-20-2 G H



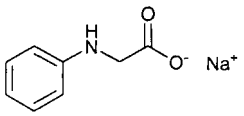
$C_{21}H_{40}NNaO_4S$

Sodium 2-(N-methyloleamido)ethane-1-sulfonate.

Adinol OT; Adinol T; Alkyl sodium N-methyltaurate; Arkopon T; Concogel 2 conc.; EINECS 205-285-7; Hostapon T; HSDB 5624; Igepon T; Igepon T 33; Igepon T-43; Igepon T 51; Igepon T-71; Igepon T-73; Igepon T 77; Igepon TE; Metaupon paste; N-Methyl-N-oleoyl-taurine sodium salt; Nissan diapion S; Nissan diapon T; Oleoylmethyltaurine sodium salt; OMT; Sodium methyl oleoyl *taurate; Sodium oleylmethyl-tauride; Taurine, N-methyl-N-oleoyl-,* sodium salt. A biodegradable anionic surfactant with detergent, wetting, emulsifying and foaming properties. Used in the textile and dyeing industries and in the manufacture of leather and paper. A dispersing and wetting agent used in wettable powders, plant protection and pest control. *Croda; Hoechst AG.*

3484 Sodium N-phenylglycinate

10265-69-7 H



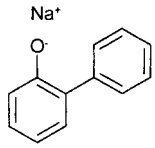
$C_8H_8NNaO_2$

Glycine, N-phenyl-, monosodium salt.

EINECS 233-605-5; Glycine, N-phenyl-, monosodium salt; Sodium N-phenylglycinate.

3485 Sodium o-phenylphenate

132-27-4 G P



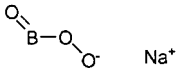
$C_{12}H_9NaO$

Sodium o-phenylphenoxide.

AI3-09076; Bactrol; Caswell No. 787; CCRIS 693; D.C.S.; Dowicide; Dowicide A; Dowicide A & A flakes; Dowicide A Flakes; Dowizid A; EINECS 205-055-6; EPA Pesticide Chemical Code 064104; Mil-Du-Rid; Mystox WFA; Natriphene; NSC 1547; OPP-sodium; Orphenol; Phenol, o-phenyl-, sodium deriv.; Phenylphenol, sodium salt; Preventol-ON; Preventol ON extra; Sodium 2-biphenylate; Sodium 2-hydroxydiphenyl; Sopp; Stopmold B; Topane. Fungicide, antiseptic and germicide. Registered by EPA as an antimicrobial and fungicide. Crystals; mp = 55-57°; bp = 275°; d_4^{25} = 1.2130; soluble in H_2O (>10 g/100ml), organic solvents; LD_{50} (rat orl) = 2000 mg/kg. *Bayer Corp.; Brogdex Co.; Central Solutions, Inc.; Cerexagri, Inc.; Decco; Dow Chem. U.S.A.; FMC Corp.; IBC Manufacturing Co.; Penn Champ; West Chemical Products, Inc.; Wexford Labs, Inc.*

3486 Sodium perborate

7632-04-4 8725 G



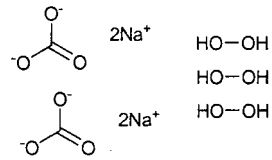
$BNaO_3$

Sodium perborate anhydrous.

Dexol; EINECS 231-556-4; HSDB 1676; Perborax; Perborin; Perboric acid ($HBO(O_2)$), sodium salt; Perboric acid (HBO_3), sodium salt; Perboric acid, sodium salt; Per-oxydol; Sodium perborate ($BaBO_3$); Sodium peroxo-borate; Sodium peroxoborate, anhydrous; Sodium per-oxometaborate; UN3247. Topical antiseptic, denture cleaner, oxygen source. A deodorant and washing and bleaching agent, used in washing powders. [tetrahydrate]; White crystals; mp = 271°; dec 320°; d = 2.17; soluble in H_2O (65 g/100 ml), slightly soluble in EtOH; LD_{50} (rat orl) = 180 mg/kg. *Degussa AG; DuPont; Eka Nobel Ltd.; ICI Spec.; Mitsubishi Gas.*

3487 Sodium percarbonate

15630-89-4 G



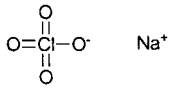
$C_2H_6Na_4O_{12}$

Carbonic acid disodium salt, compd. with hydrogen peroxide (H_2O_2) (2:3).

Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3); Disodium carbonate, compound with hydrogen peroxide (2:3); Disodium carbonate, hydrogen peroxide (2:3); EINECS 239-707-6; FB Sodium percarbonate; Oxyper; Perdox; Peroxy sodium carbonate; Sodium carbonate peroxide; Sodium percarbonate. Bleaching agent for domestic and industrial use, denture cleaner, mild antiseptic. *Chemoxal; Degussa AG; Interox Am.*

3488 Sodium perchlorate

7601-89-0 8726 D G



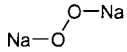
$ClNaO_4$

Perchloric acid sodium salt.

CPL 46; EINECS 231-511-9; HSDB 5038; Irenat; KM Sodium Perchlorate; Natriumperchloraat; Natriumper-chlorat; Perchlorate de sodium; Perchloric acid, sodium salt; Sodio (perclorato di); Sodium (perchlorate de); Sodium perchlorate; UN1502. Used in explosives; has been used medicinally as a thyroid inhibitor. Crystals.dec about 130°; d = 2.02. *Kerr-McGee.*

3489 Sodium peroxide

1313-60-6 8728 G



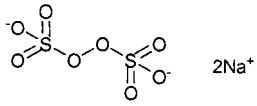
O_2Na_2

Disodium peroxide.

Disodium dioxide; Disodium peroxide; EINECS 215-209-4; Flocool 180; HSDB 763; Natrium peroxydatum; Natriumsuperoxid; Oxolin; Oxone; Oxygen powder; Sodium dioxide; Sodium oxide (Na_2O_2); Sodium oxide, per-; Sodium peroxide; Sodium peroxide ($Na_2(O_2)$); Sodium superoxide; Solozone; UN1504. Compressed sodium peroxide, used in washing powders, scouring powders, metal cleaners, hair wave neutralizers, general oxidizing reactions. Yellow-white granules; mp = 460° (dec); d = 2.8050. *DuPont.*

3490 Sodium persulfate

7775-27-1 8729 G



$Na_2O_8S_2$

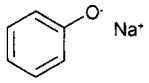
Sodium peroxydisulfate.

Disodium peroxodisulphate; EINECS 231-892-1; Peroxy-disulfuric acid, disodium salt; Persulfate de sodium; Sodium peroxydisulfate; Sodium persulfate; UN1505. Bleaching agent (fats, oils, fabrics, soaps), battery depolarizers, emulsion polymerization. Soluble in H_2O (549 g/l; MLD (rbt iv) = 178 mg/kg. *Degussa AG; FMC Corp.;*

Sigma-Aldrich Fine Chem.

3491 Sodium phenate

139-02-6 7323 P



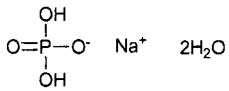
C_6H_5NaO

Phenol, sodium salt.

Caswell No. 786A; EINECS 205-347-3; EPA Pesticide Chemical Code 064002; HSDB 5623; Phenol sodium; Phenol, sodium salt; Phenolate sodium; Sodium carbolate; Sodium phenate; Sodium phenolate; Sodium phenoxide; 10, 36. Registered by EPA as an antimicrobial and disinfectant. *Sporicidin International.*

3492 Sodium phosphate

7558-80-7 8734 G P



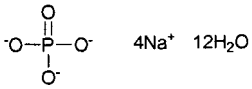
$H_2NaO_4P.2H_2O$

Monosodium dihydrogen phosphate dihydrate.

Acid sodium phosphate; EINECS 231-449-2; HSDB 738; Monobasic sodium phosphate; Monosodium dihydrogen orthophosphate; Monosodium dihydrogen phosphate; Monosodium hydrogen phosphate; Monosodium mono-phosphate; Monosodium orthophosphate; Monosodium phosphate; Monosodium phosphate, anhydrous; Mono-sorb XP-4; MSP; Phosphoric acid, monosodium salt; Primary sodium phosphate; Recresal; Sodium acid phosphate; Sodium biphosphate anhydrous; Sodium dihydrogen monophosphate; Sodium dihydrogen orthophosphate; Sodium dihydrogen phosphate (1:2:1); Sodium dihydrogen phosphate (NaH_2PO_4); Sodium orthophosphate, primary; Sodium phosphate; Sodium phosphate ($Na(H_2PO_4)$); Sodium phosphate, monobasic; Sodium primary phosphate; Uro-phosphate. Controls pH in mildly acidic solutions; food products, water treatment, metal treatment. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). FDA GRAS, Japan approved, FDA approved for buccals, parenterals, ophthalmics, orals, topicals, vaginals, USP/NF, BP compliant. Buffering agent, precipitation agent, laxative and effervescent. Used in buccals, parenterals, ophthalmics, orals, topicals, vaginals. Crystals; mp = 60°; d = 1.915. *Albright & Wilson Americas Inc.; BritAg Ind. Ltd.; Sigma-Aldrich Fine Chem.*

3493 Sodium phosphate

10101-89-0 G



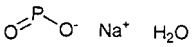
$H_{24}Na_3O_{16}P$

Trisodium phosphate, dodecahydrate.

CCRIS 7322; Phosphoric acid, trisodium salt, dodeca-hydrate; Sodium phosphate dodecahydrate; Sodium phosphate tribasic dodecahydrate; Sodium phosphate, tribasic; TSP-12; Trisodium phosphate; Phosphoric acid, trisodium, 12-hydrate; Sodium Phosphate 12-Water; Sodium Phosphate Tribasic Dodecahydrate; TSP dodecahydrate. Used in food products, cleaning compounds, water treatment. Crystals; mp = 75°; d = 1.6. *Albright & Wilson Americas Inc.; Rhône-Poulenc.*

3494 Sodium phosphinate

10039-56-2 G



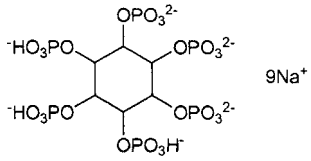
$NaO_2P.H_2O$

Sodium hypophosphite monohydrate.

Fosfornan sodny; Phosphinic acid, sodium salt, monohydrate; Sodium phosphinate hydrate; Sofibex. Used for surface treatment, electrodeless nickel plating. Crystals; mp = 90°; soluble in H_2O (1 g/ml), alcohols, glycerol, insoluble in other organic solvents. *Elf Atochem N. Am.*

3495 Sodium phytate

7205-52-9 7471 G



$C_6H_9Na_9O_{24}P_6$

myo-Inositol hexakis(dihydrogen phosphate) sodium salt.

Inositol hexaphosphoric acid hexasodium salt; myo-Inositol hexakis(dihydrogen phosphate) sodium salt; Phytat D.B.; Phytate sodium; Rencal; Sodium phytate. Chelating agent. Used to remove traces of heavy metal ions and also as a fermentation nutrient. Solid; soluble in H_2O. *Bristol-Myers Squibb Co.*

3496 Sodium polynaphthalenesulfonate

9084-06-4 G

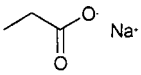
$(C_{10}H_8O_3S.CH_2O)_x.xNa$

Sodium naphthalene sulfonate formaldehyde condensate.

Ablusol ML; Atlox 4862; Barra Super; Bevaloid 35; Blancol; Blancol dispersant; Darvan 1; Darvan No. 1; Daxad 11; Daxad 15; Daxad 18; Daxad No. 11; Dispergator NF; Disperser NF; Dispersing agent NF; Dispersol ACA; Flube; Humifen NBL 85; Leukanol NF; Lissatan AC; Lomar D; Lomar LS; Lomar PW; Na-Cemmix; Naphthalenesulfonic acid-formaldehyde condensate sodium salt; Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt; NF; NF (dispersant); NF-A; Pozzolith 400N; QR 819; Sodium salt of sulfonated naphthaleneformaldehyde condensate; Surfactant NF; Tamol L; Tamol SN. Plasticizer and water reducing agent used in pourable and high-strength concrete. *Taiwan Surfactants.*

3497 Sodium propionate

137-40-6 8743 D G P V



$C_4H_5NaO_2$

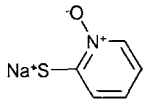
Propionoic acid, sodium salt.

Bioban-S; Caswell No. 707A; CCRIS 1896; Deketon; E281; EINECS 205-290-4; EPA Pesticide Chemical Code 077703; Ethylformic acid, sodium salt; HSDB 766; Impedex; Keenate; Methylacetic acid, sodium salt; Mycoban; Napropion; Natriumpropionat; Ocuseptine; Propanoic acid, sodium salt; Propiophtal; Propiofar; Propion; Propionan sodny; *Propionic acid, sodium* salt; Propisol; Sodium propanoate; Sodium propionate; Whit-pro. Sodium salt of propionic acid; food additive (preservative); fungicide. Has been used in veterinary medicine as a ketosis treatment. An antifungal agent. Registered by EPA as a fungicide (cancelled). FDA

GRAS, Japan approved with limitations, Europe listed, FDA approved for orals; USP/NF compliance. In the FDA List of inactive ingredients, (oral capsules, powder, suspensions and syrups). Used as an antimicrobial preservative in orals and in treatment of skin fungal infections. Crystals; mp = 287-289°; soluble in H_2O (1 g/ml), slightly soluble in EtOH, less soluble in organic solvents. LD_{50} (rat orl) = 3920 mg/kg, (mus orl) = 2350 mg/kg, (rbt skn) = 1640 mg/kg. *Browning; Gist-Brocades Intl.; Lohmann; Niacet; Ruger; Rystan Co. Inc.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Verdugt BV.*

3498 Sodium pyrithione

3811-73-2 D G P



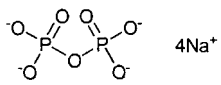
C_5H_4NNaOS

N-Hydroxy-2-pyridinethione, sodium salt.

AI3-22596; EINECS 223-296-5; Fonderma; (1-Hydroxy-2-pyridinethione), sodium salt; 2-Mercaptopyridine 1-oxide sodium salt; 2-Mercaptopyridine-N-oxide sodium salt; 2-Mercaptopyridine oxide sodium salt; NSC 4483; Omadine sodium; 1-Oxo-2-pyridinethiol sodium salt; 2-Pyridinethiol, 1-oxide, sodium salt; 2-Pyridinethiol N-oxide sodium salt; Sodium 2-mercaptopyridine 1-oxide; Sodium 2-pyridinethiol 1-oxide; Sodium 2-pyridinethiol N-oxide; Sodium 2-pyridinethiolate 1-oxide; Sodium, (2-pyridinylthio)-, N-oxide; Sodium (2-pyridylthio)-N-oxide; Sodium omadine; Sodium pyrithione; Thione (reagent). Industrial microbiostat; chelating agent; used in aqueous metal coolant and cutting fluids, latex emulsion, inks, fiber lubricants. Used medicinally as an antibacterial and antifungal agent. Solid; mp = -25-30° (dec); bp 109°; d = 1.2200. *Olin Corp.*

3499 Sodium pyrophosphate

7722-88-5 9312 G P



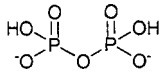
$Na_4O_7P_2$

Tetrasodium pyrophosphate.

Anhydrous tetrasodium pyrophosphate; Caswell No. 847; Diphosphoric acid, tetrasodium salt; EINECS 231-767-1; EPA Pesticide Chemical Code 076405; HSDB 854; Natrium pyrophosphat; NSC 56751; Phosphotex; Pyrophosphoric acid, tetrasodium salt; Sodium diphosphate ($Na_4P_2O_7$); Sodium diphosphate, anhydrous; Sodium phosphate ($Na_4P_2O_7$); Sodium pyrophosphate; Sodium pyrophosphate, tetrabasic; Tetranatriumpyro-phosphat; Tetrasodium diphosphate; Tetrasodium pyrophosphate; TSPP; Victor TSPP; tetrasodium salt; Sodium diphosphate (Na4P2O7); Sodium phosphate (Na4P2O7); Sodium pyrophosphate (4:1); Sodium pyrophosphate ($Na_4P_2O_7$); Tetrasodium diphosphate; Victor TSPP. Water softener, synthetic detergent builder, dispersant, emulsifier, metal cleaner, boiler water treatment, viscosifier for drilling muds, deinking news-print, synthetic rubber, textile dyeing, wool scouring, buffer, sequestrating agent. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Corrosion inhibitor, used as a water softener, dispersing and emulsifying agent, metal cleaner, sequestrant, and a nutritional supplement. Also used in drilling muds, boiler water treatment, soaps and detergents, dyes, and in wool scouring. Crystals; mp = 988°; d = 2.534; soluble in H_2O (6.23 g/100 ml), insoluble in organic solvents. *Farleyway Chem. Ltd.; FMC Corp.; Mitsubishi Gas; Mitsui Toatsu; Monsanto Co.; Spectrum Chem. Manufacturing.*

3500 Sodium pyrophosphate

7758-16-9 8643 G



$2Na^+$

$6H_2O$

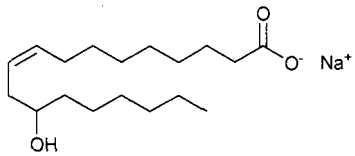
$H_2Na_2O_7P_2.6H_2O$

Disodium dihydrogen pyrophosphate hexahydrate.

Dinatriumpyrophosphat; Diphosphoric acid, disodium salt; Disodium acid pyrophosphate; Disodium dihydrogen diphosphate; Disodium dihydrogen pyrophosphate; Di-sodium diphosphate; Disodium pyrophosphate; EINECS 231-835-0; HSDB 377; Pyrophosphoric acid, disodium salt; SAPP; Sodium acid pyrophosphate; Sodium pyro-phosphate ($Na_2H_2P_2O_7$); Taterfos®; Victor Cream®. Leavening agent for baking, cereals. Used in baking powder. Solid; mp = 220° (dec); d = 1.86; soluble in H_2O. *Rhône-Poulenc Food Ingredients.*

3501 Sodium ricinoleate

5323-95-5 8295 D G



$C_{18}H_{33}NaO_3$

[R-(Z)]-12-hydroxy-9-octadecenoic acid sodium salt.

AI3-52679; CCRIS 5930; Colidosan; EINECS 226-191-2; HSDB 4280; 12-Hydroxy-9-octadecenoic acid, sodium salt; NSC 2835; 9-Octadecenoic acid, 12-hydroxy-, sodium salt; 9-Octadecenoic acid, 12-hydroxy-, monosodium salt, (R-(Z))-; 9-Octadecenoic acid, 12-hydroxy-, monosodium salt, (9Z,12R)-; Ricinoleic acid; Ricinoleic acid, monosodium salt, (+)-; Ricinoleic acid sodium salt; Sodium (R)-12-hydroxyoleate; Sodium ricinate; Sodium ricinolate; Sodium ricinoleate; Soricin; Soricinol 40. Mold release. Solid, soluble in H_2O, alcohols. *Actrachem.*

3502 Sodium rosinate

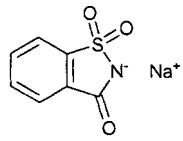
61790-51-0 H

Rosin acids, sodium salts.

Disproportionated rosin acid, sodium salt; EINECS 263-144-5; Resin acids and Rosin acids, sodium salts; Rosin acid, monosodium salt; Rosin acids, sodium salt; Rosin acids, sodium salts; Rosin, disproportionated, sodium salt; Rosin, sodium salt; Rosin, sodium soap; Sodium soap of disproportationed rosin; Wood rosin, sodium salt.

3503 Sodium saccharin

128-44-9 G H



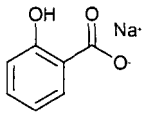
$C_7H_4NNaO_3S$

1,2-Benzisothiazolin-3-one, 1,1-dioxide, sodium salt.

Artificial sweetening substanz gendorf 450; Benzoic acid sulfimide, sodium; CCRIS 706; Cristallose; Crystallose; Dagutan; EINECS 204-886-1; FEMA No. 2997; Kristallose; Madhurin; NSC 4867; ODA; Saccharin sodium; Saccharinnatrium; Saccharoidum natricum; Saxin; Sodium benzosulphimide; Sodium saccharinate; Soluble gluside; Soluble saccharin; Sucra; Sucromat; Sulphobenzoic imide, sodium salt; Sweeta; Sykose; Willosetten. Non-caloric sweetener, pharmaceutic aid (flavorant). Solid; soluble in H_2O (83 g/100 ml), less soluble in organic solvents; LD_{50} (rat orl) = 17.0 g/kg.

3504 Sodium salicylate

54-21-7 8411 H



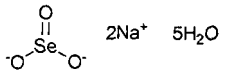
$C_7H_6NaO_3$

Sodium o-hydroxybenzoate.

Alysine; Aroall; Benzoic acid, 2-hydroxy-, monosodium salt; CCRIS 6715; Clin; Corilin; Diuretin; EINECS 200-198-0; Enterosalicyl; Enterosalil; Entrosalyl; Glutosalyl; 2-Hydroxybenzoic acid monosodium salt; o-Hydroxy-benzoic acid monosodium salt; Idocyl novum; Kera-salicyl; Kerosal; Magsalyl; Monosodium 2-hydroxy-benz-oate; Monosodium salicylate; Nadisal; Natium salic-ylicum; Natrium salicylat; Neo-salicyl; NSC 202167; Pabalate; Parbocyl-rev; Salicylic acid, monosodium salt; Salicylic acid, sodium salt; Salisod; Salsonin; Sodium 2-hydroxybenzoate; Sodium o-hydroxybenzoate; Sodium salicylate. Used to treat rheumatoid arthritis and in manufacture of salicylate drugs. Also used in synthesis of azo dyes and as a food preservative. *Spectrum Chem. Manufacturing; Thiele Kaolin.*

3505 Sodium selenite

26970-82-1 G



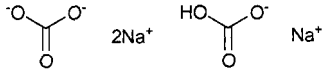
$Na_2O_3Se.5H_2O$

Sodium selenite pentahydrate.

CCRIS 1378; Selenious acid, disodium salt, pentahydrate; Sodium selenite pentahydrate. Glass manufacture (removes green color during manufacture), reagent in bacteriology, testing germination of seeds, decorating porcelain. Crystals; soluble in H_2O, insoluble in organic solvents; LD_{50} (rat orl) = 7 mg/kg. Atomergic; Chem.; Chemetals; Degussa; Noah.

3506 Sodium sesquicarbonate

533-96-0 8749 G



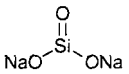
$C_2HNa_3O_6$

Carbonic acid, sodium salt (2:3).

Carbonic acid, sodium salt (2:3); EINECS 208-580-9; HSDB 769; Magadi Soda; Snowflake crystals; Sodium carbonate (3:2); Sodium sesquicarbonate; SQ 810; Trisodium hydrogendicarbonate; Trona; Urao. Inorganic salt used as a detergent and soap builder; mild alkaline agent for general cleaning and water softening; bath crystal; alkaline agent in leather tanning; food additive. White solid; d = 1.2112; soluble in H_2O (13 g/100 ml). *FMC Corp.*

3507 Sodium silicate

1344-09-8 8750 G



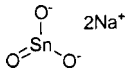
Na_4O_4Si

Silicic acid, sodium salt.

49FG; Acsil; Agrosil LR; Agrosil S; Britesil; Britesil H 20; Britesil H 24; Carsil; Carsil (silicate); Caswell No. 792; DP 222; Dryseq; Dupont 26; EINECS 215-687-4; EPA Pesticide Chemical Code 072603; HK 30 (van); HSDB 5028; L 96 (salt); Metso 99; N 38; Portil A; Pyramid 1; Pyramid 8; Q 70; Sikalon; Silica E; Silica K; Silica N; Silica R; Silican; Silicic acid, sodium salt; Sodium polysilicate; Sodium sesquisilicate; Sodium silicate; Sodium silicate glass; Sodium silicate solution; Sodium siliconate; Sodium water glass; Soluble glass; Star; Waterglass. Used as a preservative agent, for lining reactors and as a binder in abrasive wheels. Used for lining Bessemer converters, acid concentrators; manufacture of grindstones, abrasive wheels; as solution, for preserving eggs; fireproofing fabrics; detergent in soaps; as adhesive, for waterproofing walls, a builder for laundry detergents and cleaners, an adhesive for corrugated, spiral wound and laminated paper products, a binder for foundry cores and molds, in the manufacture of silica gels, zeolites and catalysts, in cements and paints. Solid; bp ▫ 102°; insoluble in H_2O. *Aichi Silicate Chem Co Ltd; Asahi Denka Kogyo; Crosfield; Lancaster Synthesis Co.; OxyChem; PQ Corp.*

3508 Sodium stannate

12058-66-1 8752 G



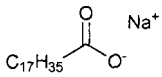
$H_6Na_2O_6Sn$

Sodium stannate(IV).

Disodium stannate; Disodium tin trioxide; EINECS 235-030-5; Preparing salt; Sodium stannate; Sodium stannate(IV); Sodium tin oxide; Stannate (SnO_3^{2-}), disodium; Tin sodium oxide. Dyeing mordant, ceramics, glass, source of tin for electroplating, textile fireproofing, stabilizer for hydrogen peroxide, blueprint paper, laboratory reagent. [trihydrate]; white crystals; soluble in H_2O (59 g/100 ml), insoluble in EtOH. *Blythe, Williams Ltd.; Elf Atochem N. Am.; M&T Harshaw; Spectrum Chem. Manufacturing.*

3509 Sodium stearate

822-16-2 8753 G H



$C_{18}H_{35}NaO_2$

n-Octadecanoic acid, sodium salt.

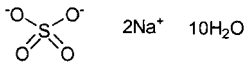
AI3-19808; Bonderlube 235; EINECS 212-490-5; Flexichem B; HSDB 5759; Octadecanoic acid, sodium salt; Prodhygine; Sodium octadecanoate; Sodium stearate; Stearic acid, sodium salt. Waterproofing and gelling agent; toothpaste, cosmetics; stabilizer in plastics; emulsifier and stiffener in pharmaceuticals; in glycerol suppositories. *CK Witco Corp.; Elf Atochem N. Am.; Magnesia GmbH; Norman-Fox; Original Bradford Soapworks.*

3510 Sodium stearoyl-2-lactylate

25383-99-7 H

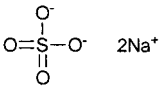
$C_{24}H_{43}NaO_6$
Sodium 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl octa-decanoate.
EINECS 246-929-7; Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt; Sodium 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl octa-decanoate; Sodium stearoyl lactylate; Sodium 2-stearoyllactate; Sodium stearoyl-2-lactylate; Sodium stearyl-2-lactylate; Stearic acid, ester with lactic acid bimol. ester, sodium salt.

3511 Sodium sulfate
7727-73-3 8755 D G



$Na_2O_4S \cdot 10H_2O$
Sodium sulfate decahydrate.
Colyte; Disodium sulfate decahydrate; Disodium sulfate decahydrate ($Na_2SO_4.10H_2O$); Glauber's salt; Mirabilite; Sodium sulfate; Sodium sulfate (Na_2SO_4) decahydrate; Sodium sulfate decahydrate; Sodium sulfate decahydrate ($Na_2SO_4.10H_2O$); Sulfuric acid disodium salt, deca-hydrate. Used in solar heat storage, air conditioning and in freezing mixtures. Used medicinally as a calcium regulator and a laxative-cathartic. Colorless crystals; mp = 32.4°; d = 1.46; soluble in H_2O (66 g/100 ml 25°, 33 g/100 ml 15°), insoluble in EtOH.

3512 Sodium sulfate
7757-82-6 8755 D G

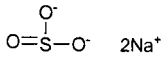


Na_2O_4S
Sodium sulfate, anhydrous.
Bisodium sulfate; Dibasic sodium sulfate; Disodium monosulfate; Disodium sulfate; Disodium sulphate; HSDB 5042; Kemsol; Natriumsulfat; Sal Mirabil; Salt cake; Sodium sulfate; Sodium sulfate (2:1); Sodium sulfate (Na_2SO_4); Sodium sulfate anhydrous; Sulfuric acid disodium salt. Manufacture of Kraft paper, etc.; filler in synthetic detergents; processing textile fibers, dyes, tanning, pharmaceuticals, lab reagent, food additive. The decahydrate is known as Glauber's salt. Used as a calcium regulator and a laxative-cathartic. Crystals; mp = 884°; SG = 2.68; soluble in H_2O (0.28 g/ml), insoluble in organic solvents. *Akzo Chemie; Elf Atochem N. Am.; Kemira Kemi UK; Lenzing AG; Occidental Chem. Corp.*

3513 Sodium sulfide
1313-82-2 8756 G

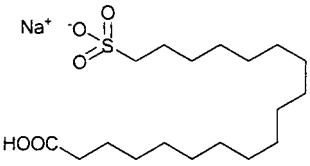
Na_2S
Sodium monosulfide.
AI3-09342; Disodium monosulfide; Disodium sulfide; Disodium sulphide; EINECS 215-211-5; HSDB 772; NSC 41874; Sodium monosulfide; Sodium sulfide; Sodium sulfide (anhydrous); Sodium sulfide (Na_2S); Sodium sulfide solution; Sodium sulfuret; Sodium sulphide; UN1385; UN1849; ,. Used in manufacture of organic chemicals, sulfur dyes, intermediates, viscose rayon, leather depilatory, paper pulp, hydrometallurgy of gold ores, sulfiding oxidized lead and copper ores, sheep dips, photographic reagent, engraving and lithography, analytical reagent. Nonahydrate [16721-80-5]. Cubic crystals; mp = 1180°; d_4^{14} = 1.856; soluble in H_2O (18.6 g/100 ml), less soluble in organic solvents. *Cerac; Farleyway Chem. Ltd.; PPG Ind.; Sigma-Aldrich Fine Chem.*

3514 Sodium sulfite
7757-83-7 8757 G P



Na_2O_3S
Sulfurous acid, sodium salt (1:2).
Anhydrous sodium sulfite; CCRIS 1429; Disodium sulfite; Disodium sulfite (Na_2SO_3); EINECS 231-821-4; Exsiccated sodium sulfite; HSDB 5043; Natrii sulphis; Natrium sulfurosum; Natriumsulfid; Natriumsulfit; S-WAT; Sodium sulfite; Sodium sulfite (2:1); Sodium sulfite (Na_2SO_3); Sodium sulfite anhydrous; Sodium sulfite, exsiccated; Sodium sulphite; Sulftech; Sulfurous acid, disodium salt. Used in the paper industry; reducing agent (dyes); food preservative and antioxidant; textile bleaching; in photographic developers. Registered by EPA as a fungicide (cancelled). Solid; soluble in H_2O (31 g/100 ml), less soluble in organic solvents; LD_{50} (mus iv) = 175 mg/kg. *BASF Corp.; Blythe, Williams Ltd.; EM Ind. Inc.; Ferro/Grant; Indspec; Nissan Chem. Ind.; Rhône-Poulenc.*

3515 Sodium sulphooctadecanoate
67998-94-1 H



$C_{18}H_{35}NaO_5S$
Octadecanoic acid, sulfo-, sodium salt.
EINECS 268-062-3; Octadecanoic acid, sulfo-, sodium salt; Oleic acid, sulfonated, sodium salt; Sodium sulphooctadecanoate.

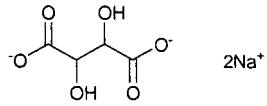
3516 Sodium tallate
61790-45-2 H

Tall oil acid, sodium salt.
EINECS 263-137-7; Fatty acids, tall-oil, sodium salts; Sodium tallate; Tall oil acids, sodium salt; Tall oil fatty acids, sodium salt; Tall oil fatty acids, sodium soap.

3517 Sodium tallowate
8052-48-0 H

Sodium tallowate.
EINECS 232-491-4; Fatty acids, tallow, sodium salts; Sodium tallow soap; Sodium tallowate; Tallow fatty acids, sodium salt; Tallow, sodium salt.

3518 Sodium tartrate
868-18-8 8759 G

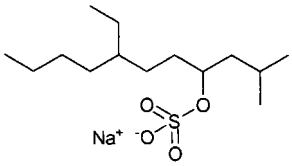


$C_4H_4Na_2O_6$
Disodium tartrate.
Bisodium tartrate; Butanedioic acid, 2,3-dihydroxy- (R-(R*,R*))-, disodium salt; CCRIS 7318; Disodium 2,3-dihydroxybutanedioate,

(R-(R*,R*))-; Disodium L-(+)-tartrate; Disodium salt of L-(+)-tartaric acid; Disodium tartrate; EINECS 212-773-3; Natrium (RR)-tartrat; Sal tartar; Sodium tartrate; Sodium L-tartrate; Sodium L-(+)-tartrate; Tartaric acid, disodium salt. Reagent, food additive, sequestrant, stabilizer. Used as a cathartic. Crystals; d = 1.82; soluble in H_2O (30 g/100 ml), insoluble in organic solvents. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

3519 Sodium tetradecyl sulfate

139-88-8 8764 G



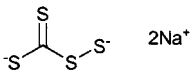
$C_{14}H_{29}NaO_4S$

7-Ethyl-2-methyl-4-undecanol hydrogen sulfate sodium salt.

EINECS 205-380-3; 4-Ethyl-1-isobutyloktylsiran sodny; 7-Ethyl-2-methyl-4-undecanol sulfate sodium salt; 7-Ethyl-2-methyl-4-hendecanol sulfate sodium salt; Natrii tetracylis sulfas; Natrii tetradecylis sulfas; Natrii tetradecylsulfas; Natrium 4-ethyl-1-isobutyloctylsulfat; Niaproof® Anionic Surfactant 4; Obliterol; Sodium 2-methyl-7-ethylundecyl sulfate-4; Sodium 2-methyl-7-ethylundecanol-4-sulfate; Sodium 7-ethyl-2-methyl-4-undecanol sulfate; Sodium 7-ethyl-2-methylundecyl-4-sulfate; Sodium sotradecol; Sotradecol; Tergitol; Tergitol 4; Tergitol anionic 4; Tergitol penetrant 4; Tetradecil-sulfato sodico; Tetradecyl sulfate de sodium; Trombovar; 4-Undecanol, 7-ethyl-2-methyl-, hydrogen sulfate, sod-ium salt; Varicol. Detergent, wetting agent, penetrant, emulsifier used in adhesives and sealants, coatings, photo chemicals, emulsion polymerization, metal processing, electrolytic cleaning, pickling baths, plating, pharm-aceuticals, leather, textiles. Solid; soluble in H_2O and organic solvents; LD_{50} (rat orl) = 4.95 g/kg. *Niacet.*

3520 Sodium tetrathiocarbonate

7345-69-9 H P



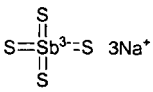
CNa_2S_4

Tetrathioperoxycarbonic acid, disodium salt.

Carbono(dithioperoxo)dithioic acid, disodium salt; Disodium tetrathioperoxycarbonate; EINECS 230-865-1; Enzone; EPA Pesticide Chemical Code 128904; Sodium perthiocarbonate; Sodium tetrathiocarbonate; Sodium thioperoxycarbonate (Na_2CS_4); STTC; Tetrathioperoxy-carbonic acid disodium salt. Registered by EPA as a nematicide. *Entek Corp.*

3521 Sodium thioantimonate(V)

13776-84-6 G



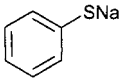
$Na_3S_4Sb \cdot 9H_2O$

Trisodium tetrathioantimonate.

Antimonate(3-), tetrathioxo-, trisodium, (T-4)-; EINECS 237-414-8; Schlippe's salt; Sodium thiantimonate(V); Trisodium tetrathioantimonate. Soluble in H_2O (300 mg/ml), insoluble in EtOH. Source of antimony sulfide.

3522 Sodium thiophenate

930-69-8 H



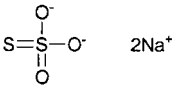
C_6H_5NaS

Benzenethiol, sodium salt.

Benzenethiol, sodium salt; EINECS 213-224-0; HSDB 5771; Sodium benzenethiolate; Sodium phenylmercap-tide; Sodium phenylsulfide; Sodium phenylthiolate; Sodium thiophenate; Sodium thiophenolate; Sodium thio-phenoxide; Sodium thiophenylate; Thiophenyl sodium salt.

3523 Sodium thiosulfate

7772-98-7 8769 D G



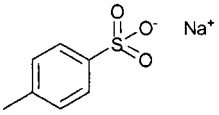
$Na_2O_3S_2$

Sodium thiosulfate.

AI3-01237; Chlorine Control; Chlorine Cure; Declor-It; Disodium thiosulfate; EINECS 231-867-5; HSDB 592; S-Hydril; Hypo; NSC 45624; Sodium hyposulfite; Sodium oxide sulfide; Sodium thiosulfate; Sodium thiosulfate ($Na_2S_2O_3$); Sodium thiosulfate anhydrous; Sodium thio-sulphate; Sodothiol; Thiosulfuric acid, disodium salt. Photographic fixative, chrome tanning, chlorine removal in bleaching and papermaking, extraction of silver, dechlorination of water, mordant, reagent, bleaching, reducing agent in chrome dyeing, sequestrant in salt, antidote for cyanide poisoning. Crystals; mp = 48°; d = 1.69; soluble in H_2O, insoluble in organic solvents; LD_{50} (rat iv) >2.5 g/kg. *Blythe, Williams Ltd.; Ferro/Grant; General Chem; May & Baker Ltd.; Nissan Chem. Ind.; Sigma-Aldrich Fine Chem.*

3524 Sodium p-toluenesulfonate

657-84-1 9611 G



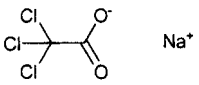
$C_7H_7NaO_3S$

Methylbenzenesulfonic acid, sodium salt.

AI3-50010; Benzenesulfonic acid, 4-methyl-, sodium salt; EINECS 211-522-5; Eltesol® ST 40; HSDB 5738; Naxonat® 4ST; Naxonate hydrotrope; NSC 203318; Sodium 4-methylbenzenesulfonate; Sodium p-methylbenzenesulfonate; Sodium p-toluenesulfonate; Sodium p-tolyl sulfonate; Sodium paratoluene sulphonate; Sodium toluenesulfonate; Sodium toluene-4-sulphonate; Sodium toluene-p-sulphonate; Sodium tosylate; 4-Toluenesulfonic acid sodium salt: p-Toluenesulfonic acid, sodium salt; para-Toluenesulfonic acid, sodium salt; Tosylate, sodium. Hydrotrope, solubilizer, coupling agent, and viscosity modifier in liq. formulations; cloud point depressant in detergent formulations. Orthorhombic plates, very soluble in H_2O. *Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; Degussa-Hüls Corp.; Ruetgers-Nease.*

3525 Sodium trichloroacetate

650-51-1 9700 G P



$C_2Cl_3NaO_2$

Trichloracetic acid, sodium salt.

Acetic acid, trichloro-, sodium salt; ACP grass killer; Allied Arcadian Sodium TCA; Antiperz; Antyperz; Caswell No. 797; Dow sodium TCA inhibited; EPA Pesticide Chemical Code 081001; Green cross couch grass killer; HSDB 6737; Natriumtrichlooracetaat; Natriumtrichloracetat; Sodio(tricloroacetato di); Sodium (trichloracetate de); Sodium TCA; Sodium TCA inhibited; Sodium trichloroacetate; Sodium trichloroacetic acid; STCA; TCA; TCA sodium; Trichloressigsäures natrium; Trichloroacetic acid sodium salt; Trichloroctan sodny; Varitox; Weedmaster grass killer. Registered by EPA as a herbicide (cancelled). Yellow powder; mp > 300°; dec 165 - 200°; soluble in H_2O (120 g/100 ml), MeOH (23.2 g/100 ml), Me_2CO (0.76 g/100 ml), Et_2O (0.02 g/100 ml), C_6H_6 (0.007 g/100 ml), CCl_4 (0.004 g/100 ml), C_7H_{16} (0.002 g/100 ml); LD_{50} (rat orl) = 3200 - 5000 mg/kg, (mus orl) = 3600 - 5600 mg/kg, (ckn orl) = 4280 mg/kg, (rat der) > 2000 mg/kg, LC_{50} (rat ihl 4 hr.) = 365 mg/l air; non-toxic to fish below 11000 mg/l, non-toxic to bees. *Dow AgroSciences; May & Baker Ltd.; Sigma-Aldrich Co.*

3526 Sodium 3,5,6-trichloropyridin-2-olate

37439-34-2 H

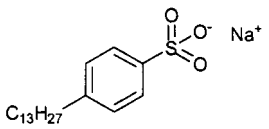
C_5HCl_3NNaO

3,5,6-Trichloro-2-pyridinol, sodium salt.

EINECS 253-506-0; 2(1H)-Pyridinone, 3,5,6-trichloro-, sodium salt; Sodium 3,5,6-trichloropyridin-2-olate; 3,5,6-Trichloro-2-pyridinol, sodium salt.

3527 Sodium tridecylbenzene sulfonate

26248-24-8 H



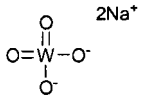
$C_{19}H_{31}NaO_3S$

Tridecylbenzenesulfonic acid, sodium salt.

Benzenesulfonic acid, tridecyl-, sodium salt; Conoco C 650; EINECS 247-536-3; HSDB 775; Sodium tridecyl-benzene sulfonate; Sodium n-tridecylbenzenesulfonate; Sodium tridecylbenzenesulphonate; Tridecylbenzene-sulfonic acid, sodium salt.

3528 Sodium tungstate

13472-45-2 8772 G



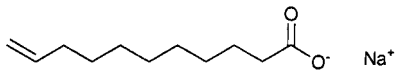
Na_2O_4W

Sodium tungstate(VI) dihydrate.

CCRIS 5814; Disodium tetraoxatungstate (2-); Disodium tungstate; Disodium tungstate (Na_2WO_4); Disodium wolframate; EINECS 236-743-4; HSDB 5057; Sodium tungstate; Sodium tungstate (Na_2WO_4); Sodium tungstate dihydrate; Sodium tungstate(VI); Sodium tungsten oxide; Sodium wolframate; Tungstic acid, disodium salt. Intermediate for tungsten compounds (e.g., phosphotungstate), reagent, fireproofing textiles, alkaloid precipitant. [dihydrate]; soluble in H_2O (90 g/100 ml), insoluble in organic solvents; LD_{50} (gpg orl) = 990 mg/kg. *Cerac; La Littorale; Noah Chem.*

3529 Sodium undecylenate

3398-33-2 G



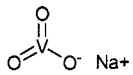
$C_{11}H_{19}NaO_2$

10-Undecenoic acid, sodium salt.

AI3-19721; EINECS 222-264-8; Sodium undec-10-enoate; Sodium undecylenate; 10-Undecenoic, sodium salt. Used as a bacteriostat and fungistat in cosmetics and pharmaceuticals. *Elf Atochem N. Am.*

3530 Sodium vanadate

13718-26-8 8774 G



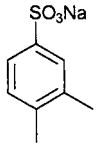
NaO_3V

Sodium metavanadate.

AI3-51890; CCRIS 6881; EINECS 237-272-7; Meta-wanadan sodowy; Monosodium trioxovanadate(1-); Northovan; NSC 79535; Sodium metavanadate; Sodium trioxovanadate(1-); Sodium vanadate; Sodium vanadate (meta); Sodium vanadate(V); Sodium vanadate(V) ($NaVO_3$); Sodium vanadium oxide; Vanadate (VO_3^{1-}), sodium; Vanadic acid (HVO_3), sodium salt; Vanadic acid, monosodium salt. Used in manufacture of inks and in photography. mp = 630°; insoluble in H_2O; LD_{75} (rat ip) = 4-5 mg V/kg.

3531 Sodium xylenesulfonate

1300-72-7 G H P



$C_8H_9NaO_3S$

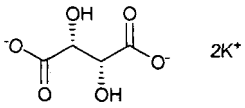
Dimethylbenzenesulfonic acid, sodium salt.

Benzenesulfonic acid, 3,4-dimethyl-, sodium salt; Caswell No. 799A; CCRIS 4893; Conco SXS; Cyclophil sxs30; 3,4-Dimethylbenzenesulfonic acid, sodium salt; EINECS 215-090-9; Eltesol® SX 30; EPA Pesticide Chemical Code 079019; HSDB 776; Hydrotrope; Naxonate®; Naxonate® 4L; Naxonate® G; NCI-C55403; Pilot SXS-40; Richonate SXS; Sodium dimethylbenzene-sulfonate; Sodium xylenesulfonate; Sodium xylene-sulphonate; Stepanate X; Surco SXS; Ultrawet 40SX; Witconate SXS 40%; Xylenesulfonic acid, sodium salt. Hydrotrope, solubilizer, coupler and processing aid in detergent manufacturing and industrial processes; antiblocking and anticaking agent in powder products; formulates

shampoos, Aerosols®, cutting oils, glue; textile finishing. Coupling agent, hydrotrope, solubilizer, solvent, stabilizer; used in liquid cleaners, organic polymers and dyestuffs, petroleum industry, pulping, animal glues. Solid; mp = 27°; bp = 157°; d = 1.023; soluble in H_2O (>10 g/100 ml), less soluble in organic solvents; LD_{50} (rat orl) = 1000 mg/kg. *Albright & Wilson Americas Inc.; ICI; Pilot; Ruetgers-Nease.*

3532 Soluble tartar

921-53-9 7762 G



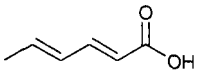
$C_4H_4K_2O_6$

Potassium tartrate.

Butanedioic acid, 2,3-dihydroxy- (2R,3R)-, dipotassium salt; Dipotassium tartrate; EINECS 213-067-8; Potassium tartrate. [hemihydrate]; white crystals; d = 1.98; soluble in H_2O (200 g/100 ml); insoluble in EtOH.

3533 Sorbic acid

110-44-1 8793 G H



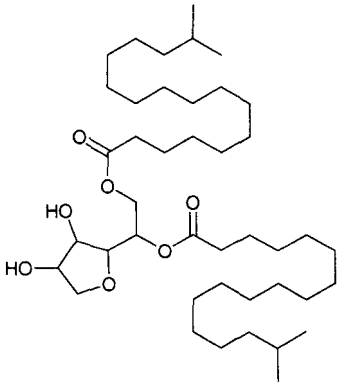
$C_6H_8O_2$

2,4-Hexadienoic acid, (E,E).

Acetic acid, (2-butenylidene)-; Acetic acid, crotylidene-; AI3-14851; Caswell No. 801; CCRIS 5748; E 200; EINECS 203-768-7; EPA Pesticide Chemical Code 075901; Hexadienoic acid; Hexa-2,4-dienoic acid; 2,4-Hexa-dienoic acid, (E,E)-; trans-trans-2,4-Hexadienoic acid; HSDB 590; Kyselina 1,3-pentadien-1-karboxylova; Kyselina sorbova; Panosorb; 2-Propenylacrylic acid; Sorbic acid; α-trans-γ-trans-Sorbic acid; trans,trans-Sorbic acid; Sorbistat. Organic acid; used as an animal feed preservative. Solid; mp = 134°; bp = 228° (dec); soluble in H_2O (0.25 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 7.36 g/kg. *Allchem Ind.; Chisso Corp.; Hoechst Celanese; Honeywell & Stein; Penta Mfg.; Spice King.*

3534 Sorbitan diisostearate

68238-87-9 G



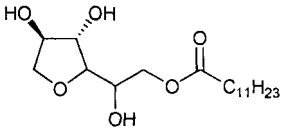
$C_{42}H_{80}O_7$

Sorbitan, diisooctadecanoate.

Anhydrohexitol diisostearate; EINECS 269-410-7; Emsorb® 2518; Isostearic acid, sorbitan ester (2:1); Sorbitan, diisooctadecanoate; Sorbitan diisostearate. Auxiliary emulsifier, solubilizer, corrosion inhibitor in lubricants, metal protectants and cleaners, emulsion polymerization. *Henkel/Emery.*

3535 Sorbitan monolaurate

1338-39-2 8796 G H



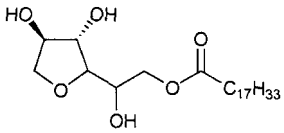
$C_{18}H_{34}O_6$

1,4-Anhydro-D-glucitol, 6-dodecanoate.

Ablunol S-20; Alkamuls® S 20; Alkamuls® SML; Anhydrosorbitol monolaurate; Arlacel 20; Armotan ML; Atmer 100; CCRIS 709; Dehymuls SML; Disponil SML 100; EINECS 215-663-3; Emasol 110; Emasol L 10; Emasol L 10(F); Emasol Super L 10(F); Emsorb 2515; Glycomul L; Glycomul LC; Ionet S 20; Kemester® S20; Kemotan S 20; L 250; L 250 (ester); Laurate de sorbitan; Laurato de sorbitano; Lauric acid sorbitan ester; Lonzest SML; ML 33F; Montane 20; Nissan Nonion LP 20R; Nonion LP 20R; Nonion LR 20R; NRF 201; Radiasurf 7125; Rheodol SP-L 10; Rheodol Super SP-L 10; S-Maz® 20; Sorbitan laurate; Sorbitan, monododecanoate; Sorbitan monolaurate; Sorbitani lauras; Sorbon S 20; Sorgen 90; SP-L 10; Span 20; T 20; Texnol SPT; Value SP 20. Lipophilic emulsifier, emulsion stabilizer; thickener for cosmetic, pharmaceutical, food applications; textile fiber lubricant, softener, anti-fogging agent. emulsifier for oils and fats in cosmetic, metalworking and industrial oil products; corrosion inhibitor; antistat for PVC. Lubricant, antistat, textile softener, process defoamer, opacifier, coemulsifier, solubilizer, dispersant, suspending agent, coupler; prepares excellent w/o emulsions; with T-Maz Series used as oil-water emulsifiers in cosmetics, food formulations, industrial oils and household products. Liquid; d= 1.032; insoluble in H_2O, soluble in organic solvents. *CK Witco Corp.; PPG Ind.; Rhône Poulenc Surfactants; Taiwan Surfactants; Toho Chem. Co.*

3536 Sorbitan monooleate

1338-43-8 8796 G H



$C_{24}H_{44}O_6$

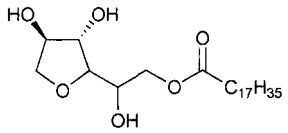
1,4-Anhydro-D-glucitol, 6-(9-octadecenoate).

Ablunol S-80; Alkamuls® SMO; Anhydrosorbitol monooleate; Arlacel 80; Armotan MO; Atmer 05; CCRIS 710; Crill 4; Dehymuls SMO; Disponil 100; EINECS 215-665-4; Emasol 410; Emasol O 10; Emasol O 10F; Emsorb 2500; G 946; Glycomul O; HSDB 5822; Ionet S-80; Kemester® S80; Kemmat S 80; Kosteran O 1; Lonzest SMO; ML 33F; ML 55F; MO 33F; Monodehydrosorbitol monooleate; Montan 80; Montane 80 VGA; Newcol 80; Nikkol SO 10; Nikkol SO-15; Nissan Nonion OP 80R; Nonion OP80R; NSC 406239; O 250; Oleate de sorbitan; Oleato de sorbitano; Radiasurf® 7155; Rheodol AO 10; Rheodol SP-O 10; Rikemal O 250; S 270; S 271 (surfactant); S 80; S-MAX 80; Sorbester P 17; Sorbitan, mono-(9Z)-9-octadecenoate; Sorbitan O; Sorbitan oleate; Sorbitani oleas; Sorbon S 80; Sorgen 40; Sorgen 40A; Span 80; Witconol 2500. Emulsifier, emulsion stabilizer, thickener for cosmetics, pharmaceutical and food applications; textile fiber lubricant, softener, antifogging agent, wet processing of synthetic PU leather. Coupling agent, wetting agent for medicants, petroleum oils, fats, and waxes in the industrial, textile, metalworking, and cosmetic industries; textile and leather

lubricant and softener; corrosion inhibitor. Descouring aid, antistat; anticorrosive agent for pipelines; cleaner for metallic surfaces; superfatting, bodying and antifog aid; pigment dispersant; detergent; emulsion of solvent; cutting oils; textile lubricant additive. Solid; d = 0.986; insoluble in H_2O, propylene glycol, soluble in organic solvents. *CK Witco Corp.; Fina Chemicals; Rhône Poulenc Surfactants; Taiwan Surfactants; Toho Chem. Co.*

3537 Sorbitan monostearate

1338-41-6 8796 G H



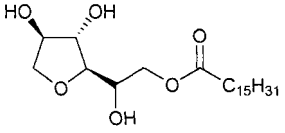
$C_{24}H_{46}O_6$

1,4-Anhydro-D-glucitol, 6-octadecanoate.

Ablunol S-60; Alkamuls® S-60; Anhydrosorbitol monostearate; Anhydrosorbitol stearate; Arlacel 60; Armotan MS; Crill 3; Crill K 3; Drewsorb 60; Durtan 60; EINECS 215-664-9; Emsorb 2505; Estearato de sorbitano; FEMA No. 3028; Glycomul S; Hodag SMS; HSDB 778; Ionet S 60; Kemester® S60; Liposorb S; Liposorb S-20; Montane 60; MS 33; MS 33F; Newcol 60; Nikkol SS 30; Nissan nonion SP 60; Nonion SP 60; Nonion SP 60R; Polyoxyethylene sorbitan monooleate; Radiamuls® Sorb 2145; Radiamuls® Sorb 2161 Radiamuls® Sorb 2166; Rikemal S 250; Sorbitan 0; Sorbitan C; Sorbitan, esters, monooctadecanoate; Sorbitan, monooctadecanoate; Sorbitan, monostearate; Sorbitan stearate; Sorbitani stearas; Sorbon S 60; Sorgen 50; Span 55; Span 60; Stearate de sorbitan; Stearic acid, monoester with sorbitan. Emulsifier, emulsion stabilizer, thickener for cosmetics, pharmaceutical and food applications; textile fiber lubricant, softener, antifogging agent, silicone defoamer emulsions. Water-oil emulsifier, lubricant and softener for the textile industry; secondary suspending agent, porosity modifier in PVC suspensions. Used in cosmetics, pharmaceuticals and foods. Waxy solid; mp = 49-65°; insoluble in H_2O, Me_2CO, soluble in EtOH, CCl_4, C_7H_8; acid value = 5-11; saponification value = 140-157; hydroxyl value = 230-260. *CK Witco Corp.; Fina Chemicals; Rhône Poulenc Surfactants; Taiwan Surfactants; Toho Chem. Co.*

3538 Sorbitan palmitate

26266-57-9 G



$C_{22}H_{42}O_6$

Sorbitan monohexadecanoate.

Ablunol S-40; AI3-03901; 1,4-Anhydro-D-glucitol, 6-hexadecanoate; Arlacel 40; Crill 2; EINECS 247-568-8; Emsorb 2510; D-Glucitol, 1,4-anhydro-, 6-hexadecanoate; Glycomul P; Liposorb P; Montane 40; Nikkol SP10; Nissan nonion PP 40R; Nissan nonion PP40; Nonion PP40; Palmitate de sorbitan; Palmitato de sorbitano; Protachem SMP; Rheodol SP-P 10; Sorbitan, esters, monohexadecanoate; Sorbitan monopalmitate; Sorbitan palmitas; Sorbitan palmitate; Sorbitani palmitas; Sorbon S-40; Sorgen 70; Span 40. Emulsifier, emulsion stabilizer, thickener for cosmetics, pharmaceutical, food applications; textile fiber lubricant, softener, antifogging agent. *Taiwan Surfactants; Toho Chem. Co.*

3539 Sorbitan sesquioleate

8007-43-0 8796 E H

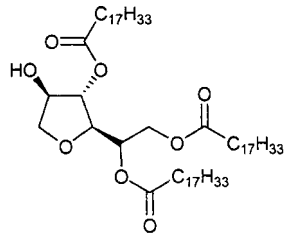
$C_{33}H_{60}O_{6.5}$

Sorbitan, 9-octadecenoate (2:3).

Anhydrohexitol sesquioleate; Anhydrosesquioleate; Arlacel C®; Arlacel® 83; Crill 43; Crill 43®; Dehymuls® SSO; Glycomul® SOC; Hodag SSO®; Liposorb SQO®; Montane 83®; Nikkol SO-15®; Nissan Nonion OP-83RAT; Protachem SOC®; Rheodol AO-15; Sorbirol SQ; Sorbitan, 9-octadecenoate (2:3); Sorgen 30; Sorgen 30®; Sorgen S-30-H®; Sporbirol SQ;; component of: Alcolan®, Alcolan® 36W, Alcolan® 40, Dehymuls® E, Dehymuls® K. FDA approved for topicals. Used in topicals as water-oil emulsifier, solubilizer and antifoamer. Yellow oily liquid; soluble in EtOH, iPrOH; mineral oil, cottonseed oil, insoluble in H_2O, propylene glycol. Non-toxic. *Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing.*

3540 Sorbitan trioleate

26266-58-0 H



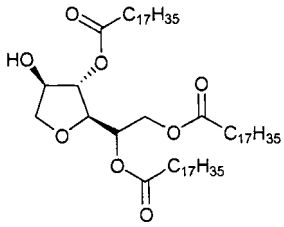
$C_{60}H_{108}O_8$

Sorbitan, tri-9-octadecenoate.

Ablunol S-85; AI3-03902; Anhydro-D-glucitol trioleate; Anhydrosorbitol trioleate; Arlacel 85; Crill 5; EINECS 247-569-3; Emasol 430; Emsorb 2503; Glycomul TO; Ionet S 85; Liposorb TO; Nissan nonion OP 85; Nissan nonion OP 85R; OP 85R; Protachem STO; Rheodol SP 030; Sorbitan, tri-9-octadecenoate; Sorbitan, tri-(9Z)-9-octadecenoate; Sorbitan, tri-9-octadecenoate, (Z,Z,Z)-; Sorbitan trioleate; Sorbitan, tris(9-octadecenoate), (Z)-; Sorbitani trioleas; Span 85; TE 33; Trioleate de sorbitan; Trioleato de sorbitano; Witconol 2503. Water-oil emulsifier, emulsion stabilizer, thickener for cosmetics, pharmaceutical and food applications; textile fiber lubricant, softener, antifogging agent. *CK Witco Corp.; Taiwan Surfactants.*

3541 Sorbitan tristearate

26658-19-5 G



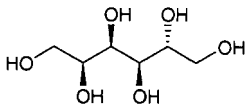
$C_{60}H_{114}O_8$

Anhydrosorbitol tristearate.

Anhydrosorbitol tristearate; EINECS 247-891-4; Radia-muls® Sorb 2345; Sorbitan, esters, trioctadecanoate; Sorbitan, trioctadecanoate; Sorbitan tristearate; *Sorbitani tristearas*; Span 65; Triestearato de sorbitano; Tristearate de sorbitan; sorbitan trioctadecanoate. Non-ionic surfactant; emulsifier for foods, cosmetics, household products, industrial applications. *Fina Chemicals; Henkel/Emery; ICI Spec.; Lonzagroup.*

3542 Sorbitol

50-70-4 8797 G



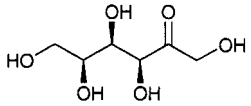
$C_6H_{14}O_6$

D-(-)-Sorbitol.

AI3-19424; CCRIS 1898; Cholaxine; Diakarmon; EINECS 200-061-5; Esasorb; FEMA No. 3029; Foodol D 70; D-Galactitol; Glucarine; Glucitol; D-Glucitol; Glucitol, D-; Gulitol; Hexahydric alcohol; 1,2,3,4,5,6-Hexanehexol; D-1,2,3,4,5,6-Hexanehexol; HSDB 801; Karion; Karion instant; L-Gulitol; Multitol; Neosorb; Neosorb 20/60DC; Neosorb 70/02; Neosorb 70/70; Neosorb P 20/60; Neosorb P 60; Nivitin; NSC 25944; Probilagol; Sionit; Sionit K; Sionite; Sionon; Siosan; Sorbex M; Sorbex R; Sorbex RP; Sorbex S; Sorbex X; Sorbicolan; Sorbilande; D-Sorbit; Sorbite; D-Sorbite; Sorbitol; Sorbitol F; Sorbitol FP; Sorbitol solutions; Sorbitol syrup C; (-)-Sorbitol; Sorbo; Sorbol; D-Sorbol; Sorbostyl; Sorvilande. Naturally occurring, synthesized by hydrogenation of glucose; used in manufacture of sorbose, ascobic acid, propylene glycol, synthetic plasticizers and resins, as humectant and softener. Nutrient and dietary supplement, food additive; bodying agent for paper, textile, liquid pharmaceuticals; in manufacture of sorbose, ascorbic acid, propylene glycol, synthetic plasticizers, resins; as humectant, sequestrant. mp = 93-97°, 110-112°; bp ■ 105°; n_D^{20} = 1.4600; $[\alpha]_D^{20}$ = -2.0°; soluble in H_2O (83%); moderately soluble in EtOH, alcohols, phenol, Me_2CO, AcOH, DMF, pyridine, acetamide, insoluble in most other solvents. *Cerestar Intl.; EM Ind. Inc.; Fanning; ICI Americas Inc.; ICI Spec.; Lipo; Lonzagroup; Sigma-Aldrich Fine Chem.*

3543 L-Sorbose

87-79-6 8798 G



$C_6H_{12}O_6$

L-xylo-hexulose.

AI3-19425; EINECS 201-771-8; Esorben; HSDB 780; NSC 97195; L-1,2,3,4,5,6-Pentahydroxyhexan-2-one; Sorbin; Sorbinose; L-Sorbinose; Sorbose; Sorbose, L-; L-Sorbose; I-Sorbose; L-xylo-2-Hexulose. Made from sorbitol (itself made by reduction of glucose) by fermentation and used in the manufacture of ascorbic acid (vitamin C). mp = 165°; $[\alpha]_D^{20}$ = -43.2° (c = 5); soluble in H_2O, insoluble in organic solvents.

3544 Soyamine

61790-18-9 H

Amines, soya alkyl.

Amines, soya alkyl; EINECS 263-112-0; Soyamine.

3545 Soybean Oil

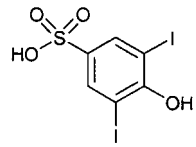
8001-22-7 8802 E P

Soybean oil.

Acidulated soybean soapstock; Calchem IVO-114®; Caswell No. 801B; Crude soybean oil, solvent extracted; Degummed soybean oil; EINECS 232-274-4; EPA Pesticide Chemical Code 031605; Extract of soy; Lipex 107®; Lipex 200®; Oils, soybean; Refined soybean oil; Refined undeodorized soybean oil; Soja bean oil; Soy germ extract; Soy oil; Soya-bean oil; Soya bean oil [Oil, edible]; Soya oil; Soybean acidulated soapstock; Soybean deodorizer distillate; Soybean oil; Soybean oil, bleached; Soybean oil bleaching; Soybean oil, degummed; Soybean oil deodorization; Soybean oil, deodorized; Soybean oil fatty acids, glycerol triester; Soybean oil, refined; Soybean vegetable oil, winter fraction; VT 18. Registered by EPA as an antimicrobial, fungicide, herbicide, insecticide and rodenticide. FDA GRAS, FDA approved for orals, topicals, USP/NF, BP compliance, (iv injectables, oral capsules and topicals). Used as an oleaginous vehicle, used in parenteral pharmaceuticals, orals, topicals. Oil; mp = 22-31°; d^{25} = 0.916 - 0.922; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, CS_2; d = 0.924 - 0.929; dynamic viscosity = 172.9 mPa at o°, 99.7 mPa at 10°, 50.09 mPa at 25°, 28.86 mPa at 40°. Non-toxic, LD_{50} (rat iv) = 16500 mg/kg, (mus iv) = 22100 mg/kg. *Aarhus Oliefabrik A/S; Abitec Corp.; Am. Roland; Amcan France; Arista Ind.; Black S.; C&T Refinery; Calgene; CanAmera Foods; Cargill; Central Soya; Charkit; Pammark Farms Ltd.; Penta Mfg.; Riceland Foods; Ruger; Sigma-Aldrich Fine Chem.; Soya Mainz; Spectrum Chem. Manufacturing; Spectrum Naturals; Stoller Enterprises Inc.; Tri-K Ind.; Vamo-Fuji Specialties.*

3546 Sozoiodolic acid

554-71-2 8805 G



$C_6H_4I_2O_4S$

4-Hydroxy-3,5-diiodo-benzenesulfonic acid.

Acidum sozojodolicum; 2,6-Diiodphenol-4-sulfonsaeure; 3,5-Dijod-4-hydroxybenzolsulfonsaeure; EINECS 209-069-3; 4-Hydroxy-3,5-diiodobenzenesulfonic acid; 4-Hydroxy-3,5-diiodobenzenesulphonic acid; Iodozol. Used in a test for albumin. Also a diagnostic aid; used as a radiopaque medium in retrograde pyelography.

3547 Spermaceti

8002-23-1 E G

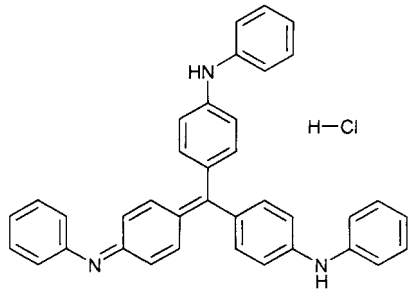
$C_{32}H_{64}O_2$

Cetyl Esters.

EINECS 232-302-5; Spermaceti; Spermaceti wax; Spermaceti wax, refined. A wax obtained from the head of the sperm whale. The crude product is obtained by chilling the head and blubber oils. It consists principally of cetyl palmitate. FDA approved for orals, topicals, USP/NF compliance. Used as an emollient, stiffening agent and viscosity builder for pharmaceutical preparations. Used in orals, topicals. Waxy solid; mp = 43-47°; d = 0.820; soluble in Et_2O, $CHCl_3$, boiling EtOH, insoluble in H_2O. Non-toxic. *Koster Keunen; Robeco; Smith Werner G.; Spectrum Chem. Manufacturing.*

3548 Spirit Blue

2152-64-9 H



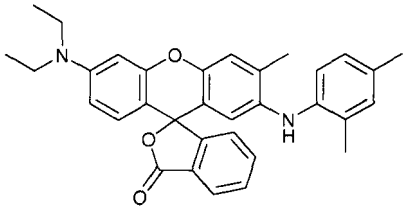
$C_{37}H_{30}ClN_3$

N-Phenyl-4-((4-(phenylamino)phenyl)(4-(phenylimino)-2,5-cyclohexadien-1-ylidene)methyl)benzenamine mono-hydrochloride.

Benzenamine, N-phenyl-4-((4-(phenylamino)phenyl)(4-(phenylimino)-2,5-cyclohexadien-1-ylidene)methyl)-, monohydrochloride; CI 42760; CI Solvent Blue 23; CI Solvent Blue 23, monohydrochloride; EINECS 218-441-4; HSDB 466; Opal Blue SS; N-Phenyl-4-((4-(phenyl-amino)phenyl)(4-(phenylimino)cyclohexa-2,5-dien-1-ylidene)methyl)aniline monohydrochloride; Spirit Blue.

3549 Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 6'-(diethylamino)-2'-((2,4-dimethyl-phenyl)amino)-3'-methyl-

36431-22-8 H

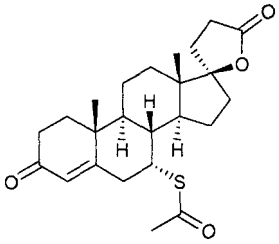


$C_{33}H_{32}N_2O_3$

Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 6'-(diethylamino)-2'-((2,4-dimethylphenyl)amino)-3'-methyl-.

3550 Spironolactone

52-01-7 8839 D



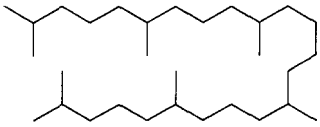
$C_{24}H_{32}O_4S$

17α-Pregn-4-ene-21-carboxylic acid, 17-hydroxy-7α-mercapto-3-oxo-, γ-lactone acetate.

4-18-00-01601 (Beilstein Handbook Reference); Acelat; 7α-Acetylthio-3-oxo-17α-pregn-4-ene-21,17β-carbo-lactone; 7α-(Acetylthio)-17α-hydroxy-3-oxopregn-4-ene-21-carboxylic acid, γ-lactone; Aldactazide; Aldactone; Aldactone A; Alderon; BRN 0057767; Dira; Duraspiron; EINECS 200-133-6; Espironolactona; Euteberol; HSDB 3184; Lacalmin; Lacdene; Laractone; Melarcon; Nefuro-fan; NSC 150399; Osiren; Osyrol; Sagisal; SC 15983; SC 9420; Sincomen; Spiresis; Spiretic; Spiridon; Spiro-Tablinen; Spiroctan; Spiroderm; Spirolactone; Spirolang; Spirolone; Spirone; Spironocompren; Spironolactone; Spironolactone A; Spironolactonum; Spironolattone; Supra-Puren; Suracton; Uractone; Urusonin; Verospiron; Verospirone; Xenalon. Aldosterone antagonist. Used as a potassium sparing diuretic. Used for edema in cirrhosis of the liver, nephrotic syndrome, congestive heart failure, potentiation of thiazide and loop diuretics, hypertension and Conn's syndrome. Crystals; mp = 134-135°, 201-202°; $[\alpha]_D^{20}$ = -33.5° ($CHCl_3$); λ_m = 238 nm (ε 20200); insoluble in H_2O, soluble in most organic solvents. *Abbott Labs Inc.; Parke-Davis; Searle G.D. & Co.*

3551 Squalane

111-01-3 8846 G



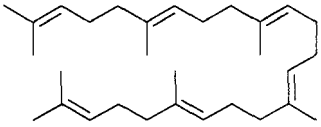
$C_{30}H_{62}$

Dodecahydrosqualene.

4-01-00-00593 (Beilstein Handbook Reference); AI3-36494; BRN 0776019; Caswell No. 482A; Cosbiol®; Dodecahydrosqualene; EINECS 203-825-6; EPA Pesticide Chemical Code 045503; Hexamethyltetracosane; 2,6,10, 15,19,23-Hexamethyltetracosane; NSC 6851; Perhydro-squalene; Robane®; Spinacane; Squalane; Tetracosane, 2,6,10,15,19,23-hexamethyl-; Vitabiosol. Saturated branched chain hydrocarbon obtained by hydrogenation of shark liver oil or other natural oils; high-grade lubricating oil, perfume fixative, gas chromatographic analysis, transformer oil; in cosmetics and pharmaceutals. A high quality oil for cosmetics and pharmaceuticals used as a moisturizer, emollient, lubricant, humectant; aids spread of topical agents over the skin, increases skin respiration, prevents insensible water loss, imparts suppleness to skin without greasy feel; cosmetics and pharmaceuticals. Oil; mp = -38°; bp = 350°, bp_{10} = 263°; d_4^{15} = 0.8115; insoluble in H_2O, slightly soluble in EtOH, Me_2CO, AcOH, soluble in Et_2O, $CHCl_3$, MeOH, very soluble in petroleum ether, freely soluble in C_6H_6. *Arista Ind.; Robeco.*

3552 Squalene

111-02-4 8847 G



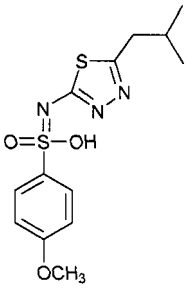
$C_{30}H_{50}$

(all-E)-2,6,10,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaene.

2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosa-hexaene; 2,6,10,15,19,23-Hexamethyltetracosa-2,6,10, 14,18,22-hexaene; Spinacene; Squalene; (E,E,E,E)-Squal-ene; Supraene; 2,6,10,14,18,22-Tetracosahexaene, 2,6, 10,15,19,23-hexamethyl-, EINECS 203-826-1. Used in biochemical and pharmaceutical research; a precursor of cholesterol in biosynthesis; chemical intermediate for manufacture of pharmaceuticals, organic colorants, rubber chemicals, aromatics, surfactants; bactericide. Oil; mp <-20°; bp_4 = 241°; bp_{17} = 280°, bp_{25} = 285°; d_4^{20} = 0.8584; insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, Me_2CO, CCl_4. *Arista Ind.; Robeco.*

3553 Stabinol

3567-08-6 G



$C_{13}H_{17}N_3O_3S_2$

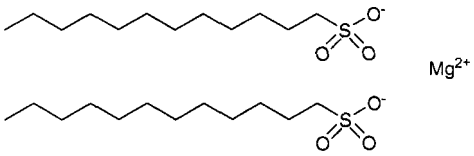
N-(5-Isobutyl-1,3,4-thiadiazol-2-yl)-*p*-methoxybenzene-sulfonamide.

4-27-00-08084 (Beilstein Handbook Reference); 8002 C. B.; 8002 CB; 2-(p-Anisylsulfonamido)-5-isobutyl-1,3,4-thiadiazole; Benzenesulfonamide, 4-methoxy-N-(5-(2-methylpropyl)-1,3,4-thiadiazol-2-yl)-; Benzenesulfon-amide, N-(5-isobutyl-1,3,4-thiadiazol-2-yl)-p-methoxy-; BRN 0295174; FWH 114; Glisobuzol; Glysobuzole; Gly-sobuzolum; 5-Isobutyl-2-p-methoxybenzenesulfon-ami-do-1,3,4-thiadiazole; N-(5-Isobutyl-1,3,4-thiadiazol-2-yl)-p-methoxybenzenesulfonamide; Isobuzol; Isobuz-ole; 2-(p-Methoxybenzenesulfonamido)-5-isobutyl-1,3,4-thia-diazole; NSC 34014; Stabinol; 1,3,4-Thiadiazole, 5-isobutyl-2-(p-methoxybenzenesulfonamido)-.

A proprietary trade name for isobuzole, an oral hypoglycemic agent for the treatment of diabetes mellitus. *Sankyo Co. Ltd.*

3554 Standapol® MG

3097-08-3 G



$C_{24}H_{50}MgO_6S_2$

Dodecyl magnesium sulphate.

Caswell No. 532A; Dodecyl sulfate, magnesium salt; EINECS 221-450-6; EPA Pesticide Chemical Code 079017; Magnesium lauryl sulfate; Magnesium monododecyl sulfate; Standapol® MG; Sulfuric acid, monododecyl ester, magnesium salt. Foamer with good dermatological properties; used in personal care products. *Henkel/Cospha.*

3555 Stannic chloride

7646-78-8 8852 G

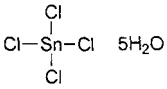
Cl_4Sn

Tin(IV) tetrachloride.

CCRIS 6886; EINECS 231-588-9; Etain (tetrachlorure d'); HSDB 781; Libavius fuming spirit; NSC 209802; Stagno (tetracloruro di); Stannane, tetrachloro-; Stannic chloride; Stannic chloride, anhydrous; Stannic tetrachloride; Stannous chloride; Tetrachlorostannane; Tetrachlorotin; Tin chloride; Tin chloride (1:4); Tin chloride ($SnCl_4$); Tin chloride, fuming (DOT); Tin perchloride; Tin tetra-chloride; Tin Tetrachloride, anhydrous; Tin(IV) chloride; Tin(IV) tetrachloride; Tintetrachloride; UN1827; Zinn-tetrachlorid. Coatings that are electroconductive and electroluminescent, textile dye mordant, perfume stabilizer, manufacture of fuchsin, blueprint paper, color lakes, ceramic coatings, bleaching agent for sugar, stabilizer for resins, tin salts, soap bactericide and fungicide. Liquid; mp = -33°; bp_{770} = 114°; d = 2.2260; soluble in H_2O, organic solvents. *Chemisphere; CK Witco Corp.; Elf Atochem N. Am.; M&T Harshaw; Nihon Kagaku Sangyo; Sigma-Aldrich Fine Chem.*

3556 Stannic chloride pentahydrate

10026-06-9 G



Cl_4Sn

Tin(IV) chloride pentahydrate.

CCRIS 6330; Stannic chloride, pentahydrate; Tetra-chlorostannane pentahydrate; Tin chloride pentahydrate; Tin(IV) chloride, pentahydrate (1:4:5); UN2440.

3557 Stannic sulfide

1315-01-1 8858 G

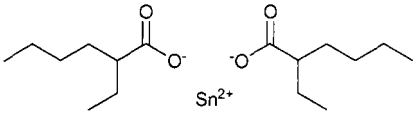
S_2Sn

Tin(IV) sulfide.

EINECS 215-252-9; Mosaic gold; Stannic sulfide; Tin bronze; Tin disulphide; Tin sulfide (SnS_2)tin disulfide;. Used for gilding and bronzing metals and other surfaces. Golden leaflets; d = 4.5; insoluble in H_2O, soluble in alkali, aqua regia.

3558 Stannous 2-ethylhexoate

301-10-0 G H



$C_{16}H_{32}O_4Sn$

2-Ethylhexanoic acid tin(2+) salt.

EINECS 206-108-6; 2-Ethylhexanoic acid tin(2+) salt; Metacure® T-9; NSC 75857; Nuocure 28; Stannous 2-ethylhexanoate; Stannous 2-ethylhexoate; Stannous octoate; Tin 2-ethylhexanoate; Tin bis(2-ethylhexanoate); Tin dioctoate; Tin ethylhexanoate; Tin octoate; Tin(2+) 2-ethylhexanoate; Tin(II) 2-ethylhexanoate; Tin(II) 2-ethylhexylate; Tin(II) bis(2-ethylhexanoate). Catalyst used in production of PU coatings, adhesives, and sealants; uniform activity and excellent stability. *Air Products & Chemicals Inc.*

3559 Stannous chloride

7772-99-8 8861 G

Cl_2Sn

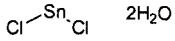
Tin (II) chloride anhydrous.

AI3-51686; Anhydrous stannous chloride; C.I. 77864; CCRIS 560; CI 77864; Dichlorotin; EINECS 231-868-0; HSDB 582; NCI-C02722; Stannous chloride; Stannous chloride anhydrous; Stannous dichloride; Tin chloride ($SnCl_2$); Tin dichloride; Tin Protochloride; Tin(II) chloride; Uniston CR-HT 200; tin salt. Reducing agent for intermediates, dyes, polymers, phosphors; manufacture of lakes; textile dyeing and printing; tin galvanizing; analytical reagent; silvering mirrors; antisludge for lubricants; food preservative; perfume stabilizer, soldering flux. Used as a wool mordant for dyeing cochineal scarlet, for dyeing blacks on silk, for weighting silk, for

calico printing, in stabilizers and soldering flux. Orthorhombic crystals; mp = 37-38°, bp = 247°; d = 3.95; soluble in H_2O, polar organic solvents; LD_{50} (mus ip) = 66 mg/kg. *Blythe, Williams Ltd.; Cerac; Elf Atochem N. Am.; M&T Harshaw; Noah Chem.; Sigma-Aldrich Fine Chem.*

3560 Stannous chloride dihydrate

10025-69-1 8861 G



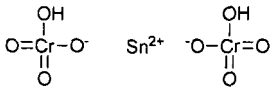
$Cl_2Sn.2H_2O$

Tin(II) chloride.

CCRIS 3953; Dihydrated stannous chloride; Stannochlor; Stannous chloride; Stannous dichloride dihydrate; Tin chloride ($SnCl_2$) dihydrate; Tin Chloride, dihydrate; Tin(II) chloride, dihydrate (1:2:2).

3561 Stannous chromate

38455-77-5 8853 G



$Cr_2H_2O_8Sn$

Stannic chromate(VI).

Chromic acid (H_2CrO_4), tin(2+) salt (2:1); EINECS 253-946-3; Stannous chromate; Tin chromate; Tin(II) chromate. Rose-violet pigment used to color paper, porcelain and china. Soluble in H_2O.

3562 Starch, acid hydrolyzed

65996-63-6 H

Acid hydrolyzed starch.

Acid modified, corn starch; Acid-treated starch; Corn flour, hydrochloric acid modified; Starch, acid hydrolyzed; Starch, acid-modified; Starch, acid-treated; Starch, thin-boiling; Wheat starch, acid modified.

3563 Starch, enzyme hydrolyzed

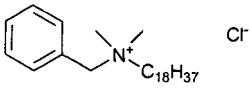
65996-64-7 H

Enzyme hydrolyzed starch.

Enzyme converted starch; Starch, converted; Starch enzyme; Starch, enzyme converted; Starch, enzyme-hydrolyzed.

3564 Stearalkonium chloride

122-19-0 G H



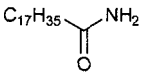
$C_{27}H_{50}ClN$

Benzyldimethyloctadecylammonium chloride.

2B; Ablumine 280; Al3-09119; Algene SC 25; Alkaquat DMB-ST; Ammonium, benzyldimethyloctadecyl-, chlor-ide; Ammonyx 4; Ammonyx 4002; Ammonyx 485; Ammonyx 490; Ammonyx CA special; Arquad DM18B-90; Barquat SB-25; Benzenemethanaminium, N,N-dimethyl-N-octadecyl-, chloride; Carsoquat sdq-25; Carsoquat sdq-85; Cation S (surfactant); CCRIS 6022; Cycloton® SCS; EINECS 204-527-9; HSDB 6123; Incroquat SDQ 25; Intexan SB-85; Intexsan SB-85; J Soft C 4; Larostat HTS 905; Mackernium SDC 25; Mackernium SDC 85; Maquat SC 18; Nissan cation S2-100; NSC 20199; Octadecylbenzyldimethylammonium chloride; Orthosan MB; Quaternol 1; SDQ 25; SDQ 85; Stearalkonium chloride; Stearyldimethylbenzylammon-ium chloride; Stebac; Stedbac; Sumquat® 6210; Swanol CA 1485; Tallow benzyl dimethyl ammonium chloride; Triton CG 400; Triton CG 500; Triton X-40; Triton X-400; Varisoft SDC 85. Surfactant used in cosmetics and antimicrobials. Antistat, hair conditioner and germicidal detergent. Solid; insoluble in H_2O (< 1 mg/ml), soluble in EtOH, organic solvents; LD_{50} (rat orl) = 1250 mg/kg. *Ferrosan A/S; Hexcel; Lonzagroup; Mason; McIntyre; Rhône Poulenc Surfactants; Sherex; Taiwan Surfactants.*

3565 Stearamide

124-26-5 G H



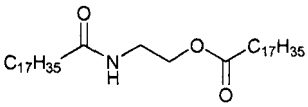
$C_{18}H_{37}NO$

n-Octadecylamide.

4-02-00-01240, 4-04-00-00794 (Beilstein Handbook Reference); Adogen 42; Al3-10003; Al3-15083; Alamine 4; Amine BB; 1-Aminododecane; Armeen 12D; BRN 0909006; BRN 1633576; Dodecanamine; 1-Dodecan-amine; Dodecylamine; 1-Dodecylamine; EINECS 204-690-6; EINECS 204-693-2; Farmin 20D; HSDB 723; HSDB 2645; Kemamide® S; Kemamine P690; Lauramine; Laurinamine; Laurylamine; n-Laurylamine; Monododecyl-amine; Nissan amine BB; NSC 66462; Octadecamide; Octadecanamide; Octadecylamide; Stearamide; Stearic acid amide; Stearic amide; Stearoylamide; Stearylamide; Uniwax 1750. Lubricant, slip, antiblock, and mold release agent for plastics, crayons, petrol. products, asphalts, inks, metals, textiles; mold release agent for thermoplastic resins in injection molding; defoamer and water repellent in industrial/household application. Slip/antiblock agent for LDPE, HDPE, PP. Antiblock additive for polyolefin films; lubricant, release agent for rubber compounding, and PVC processing. Leaflets; mp = 109°; bp_{12} = 250°; very soluble in Et_2O; $CHCl_3$. *Akzo Chemie; Astor Wax; Chemax; CK Witco Corp.; Croda; Henkel/Emery; Syn Prods.; Unichema; Witco/Humko.*

3566 Stearamide MEA-stearate

14351-40-7 G



$C_{38}H_{75}NO_3$

2-((1-Oxooctadecyl)amino)ethyl stearate.

EINECS 238-310-5; Octadecanoic acid, 2-((1-oxooctadecyl)amino)ethyl ester; 2-((1-Oxooctadecyl)amino)ethyl octadecanoate; 2-((1-Oxooctadecyl)amino)ethyl stearate; Stearamide MEA-stearate; Stearic monoethanolamide stearate; Witcamide® MAS. Opacifier, conditioner, lubricant, gelling agent for personal care, household, and institutional liquid soaps; used as partial or total replacement for vegetable waxes in polishes; coating agent for paper and textiles; mold release agent for industrial processing; additive for raising melting points of pertoleum or glyceride waxes and fats; ingredient of insulating coatings or barriers and of water-repellent compounds. *CK Witco Chem. Corp.*

3567 Steareth-20

9005-00-9 E G

$C_{58}H_{118}O_{21}$

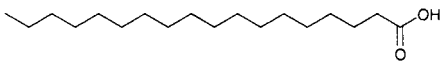
POE (20) stearyl ether.

Ablunol SA-7; Ethanol, 2-(2-(octadecyloxy)ethoxy)-; 3,6,9,12,15,18,21-Heptaoxanonatriacontan-1-ol; 2-(2-(Octadecyloxy)ethoxy)ethanol; Octadecyl polyoxyethyl-ene ether;

PEG-2 Stearyl ether; PEG-7 Stearyl ether; PEG-11 Stearyl ether; PEG-13 Stearyl ether; PEG-14 Stearyl ether; PEG-15 Stearyl ether; PEG-16 Stearyl ether; PEG-20 Stearyl ether; PEG-21 Stearyl ether; PEG-25 Stearyl ether; PEG-27 Stearyl ether; PEG-30 Stearyl ether; PEG-40 Stearyl ether; PEG-50 Stearyl ether; PEG-100 Stearyl ether; Poly(oxy-1,2-ethanediyl), α-octadecyl-ω-hydroxy-; Poly-ethylene glycol (7) stearyl ether; Polyethylene glycol (11) stearyl ether; Polyethylene glycol (13) stearyl ether; Polyethylene glycol (14) stearyl ether; Polyethylene glycol (15) stearyl ether; Polyethylene glycol (16) stearyl ether; Polyethylene glycol (21) stearyl ether; Polyethylene glycol (25) stearyl ether; Polyethylene glycol (27) stearyl ether; Polyethylene glycol (30) stearyl ether; Polyethylene glycol (50) stearyl ether; Polyethylene glycol (100) stearyl ether; Polyethylene glycol 1000 stearyl ether; Polyethylene glycol 2000 stearyl ether; Polyoxyethylated stearyl alcohol; Polyoxyethylene (7) stearyl ether; Polyoxy-ethylene (11) stearyl ether; Polyoxyethylene (13) stearyl ether; Polyoxyethylene (14) stearyl ether; Polyoxyethylene (15) stearyl ether; Polyoxyethylene (16) stearyl ether; Polyoxyethylene (2) stearyl ether; Polyoxyethylene (20) stearyl ether; Polyoxyethylene (21) stearyl ether; Poly-oxyethylene (25) stearyl ether; Polyoxyethylene (27) stearyl ether; Polyoxyethylene (30) stearyl ether; Poly-oxyethylene (40) stearyl ether; Polyoxyethylene (50) stearyl ether; Polyoxyethylene (100) stearyl ether; Poly-oxyethylene monooctadecyl ether; Steareth-7; Steareth-11; Steareth-13; Steareth-14; Steareth-15; Steareth-16; Steareth-2; Steareth-20; Steareth-21; Stear-eth-25; Steareth-27; Steareth-30; Steareth-40; Steareth-50; Steareth-100; Stearyl alcohol EO (10); Stearyl alcohol EO (20); Stearyl alcohol, ethoxylated; Stearyl alcohol ethylene oxide (2); Stereal alcohol EO (2). Emulsifier for waxes and cosmetics. Used as an emulsifier, gellant, stabilizer, wetting agent, solubilizer for pharmaceuticals. *Taiwan Surfactants.*

3568 Stearic acid

57-11-4 8882 G



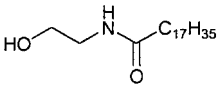
$C_{18}H_{36}O_2$

n-Octadecanoic acid.

4-02-00-01206 (Beilstein Handbook Reference); AI3-00909; Barolub fta; BRN 0608585; Caswell No. 801D; CCRIS 2305; Century 1210; Century 1220; Century 1230; Century 1240; Cetylacetic acid; Dar-chem 14; EINECS 200-313-4; Emersol 120; Emersol 132; Emersol 150; Emersol 153; Emersol 6349; EPA Pesticide Chemical Code 079082; FEMA No. 3035; Formula 300; Glycon DP; Glycon S-70; Glycon S-80; Glycon S-90; Glycon TP; Groco 54; Groco 55; Groco 55l; Groco 55L; Groco 58; Groco 59; 1-Heptadecanecarboxylic acid; HSDB 2000; Humko Industrene R; Hy-phi 1199; Hy-phi 1205; Hy-phi 1303; Hy-phi 1401; Hydrofol 1895; Hydrofol acid 150; Hydrofol acid 1655; Hydrofol acid 1855; Hystrene 80; Hystrene 4516; Hystrene 5016; Hystrene 7018; Hystrene 9718; Hystrene S-97; Hystrene T-70; Industrene 5016; Industrene 8718; Industrene 9018; Industrene R; KAM 1000; KAM 2000; KAM 3000; Loxiol g 20; Lunac s 20; NAA 173; Neo-fat 18; Neo-fat 18-55; Neo-fat 18-53; Neo-fat 18-54; Neo-fat 18-59; Neo-fat 18-61; Neo-fat 18-S; NSC 25956; Octadecanoic acid; n-Octadecanoic acid; n-Octadecylic acid; PD 185; Pearl stearic; Promulsin; Proviscol wax; Stearex beads; Stearic acid; Stearophanic acid; Tegostearic 254; Tegostearic 255; Tegostearic 272; Vanicol. Used in cosmetics, chemicals, as a dispersant and softener in rubber compounds, in food packaging; suppositories and onitments. White solid; mp = 67-69°; bp = 361°; d = 0.8450; slightly soluble in H_2O, more soluble in organic solvents; LD_{50} (rat iv) = 21 mg/kg. *Akrochem Chem. Co.; Akzo Chemie; Henkel/Emery; Lonzagroup; Sherex; Syn Prods.; Unichema; UOP; Witco/Humko.*

3569 Stearic acid monoethanolamide

111-57-9 G



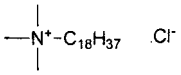
$C_{20}H_{41}NO_2$

Stearamide MEA.

Ablumide SME; Clindrol 200-MS; Comperlan HS; Cycloamide SM; EINECS 203-883-2; N-(2-Hydroxy-ethyl)octadecanamide; N-(2-Hydroxyethyl)-stearamide; N-(Hydroxyethyl)stearamide; Loramine S 280; Marlamid M 18; Monoethanolamine stearic acid amide; Ninol 1301; NSC 3377; Octadecanamide, N-(2-hydroxyethyl)-; Onyx Wax EL; Stearamide MEA; Stearamyl; Stearic acid monoethanolamide; Stearic ethanolamide; Stearic ethylolamide; Stearic mono-ethanolamide; Stearic monoethanolamine; N-Stearoylethanolamine; Stearoyl monoethanolamide; Stearoylethanolamide; Stearoyl-ethanolamine; Teric CME7; Witcamide® 70. Opacifier, conditioner, lubricant, thickener, gelling agent, mold release agent, binder; cosmetics and toiletries; base for antiperspirant and makeup sticks. Used as a thickener for shampoo, cream rinse and bubble bath. *CK Witco Corp.; Taiwan Surfactants.*

3570 Steartrimonium chloride

112-03-8 G H



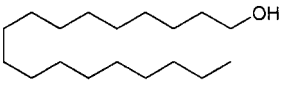
$C_{21}H_{46}ClN$

Trimethyloctadecylammonium chloride.

Aliquat 7; Ammonium, trimethyloctadecyl-, chloride; Arquad® 18; Arquad® 18-50; Cation AB; EINECS 203-929-1; Monostearyl trimethyl ammonium chloride; Nissan cation AB; Octadecyltrimethylammonium chloride; Octosol 474; Quaternium-10; Stac; Stear-trimonium chloride; Stearyltrimethylammonium chloride; Trimethyloctadecylammonium chloride; Trimethylstearyl-ammonium chloride; N,N,N-Trimethyl-1-octadecanam-inium chloride. Biodegradable emulsifier for cationic or cationic/anionic emulsion systems. Used in foaming, wetting, dispersing agents, corrosion inhibitor, softener, dyeing aid, antistat for textiles, paper, cosmetics; industrial, agriculture, plastics, petroleum industry, acid pickling baths; bactericide, algicide; dye leveling agent, viscosity stabilizer in lubricant compounding. *Akzo Chemie.*

3571 Stearyl alcohol

112-92-5 8883 G H



$C_{18}H_{38}O$

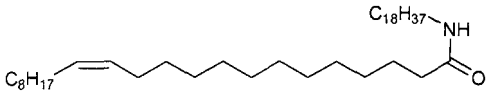
n-Octadecyl alcohol.

4-01-00-01888 (Beilstein Handbook Reference); Adol® 62 NF; Adol® 68; AI3-01330; Alcohol stearylicus; Alcohol(C_{18}); Aldol 62; Alfol 18; Atalco S; BRN 1362907; C_{18} alcohol; Cachalot S-43; CCRIS 3960; CO-1895; CO-1897; Crodacol-S; Decyl octyl alcohol; Dytol E-46; EINECS 204-017-6; Fatty alcohol(C_{18}); HSDB 1082; 1-Hydroxyoctadecane; Lanol S; Lorol 28; Mixture Name; NSC 5379; Octadecanol; 1-Octadecanol; n-Octadecanol; n-1-Octadecanol; Octadecanol, 1-; Octadecyl alcohol; n-Octadecyl alcohol; Octadecylalkohol; Polaax; Sipol S; Siponol S; Siponol SC; SSD AF; Stearic alcohol; Stearol; Stearyl alcohol; Stenol; Steraffine; USP XIII stearyl alcohol; Varonic® BG. Emollient, auxiliary emulsifier, texturizer; nonoily, velvety feel; higher viscosity in emulsions. Used in perfumery, cosmetics, intermediate, surfactants, lubricants, resins, antifoam agent, glass frit binders, waxes, emulsion stabilizers, esters, tertiary amines, surfactants, polymers, as a chemical

intermediate and in cosmetic formulations. A self-emulsifying wax and viscosity modifier for hair conditioners, creams and lotions; an emulsifier and solubilizer. Leaflets; mp = 59.5°; bp = 340-355°, bp_{15} = 210.5°; d^{59} = 0.8124; insoluble in H_2O, slightly soluble in Me_2CO, C_6H_6, soluble in EtOH, Et_2O, $CHCl_3$. *Aarhus Oliefabrik A/S; Amerchol; Chemron; Croda; Ethicon Inc.; Lipo; Lonzagroup; Michel M.; Procter & Gamble Co.*

3572 Stearyl erucamide

10094-45-8 G



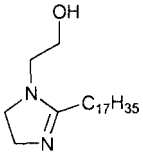
$C_{40}H_{79}NO$

N-Octadecyl-13-docosenamide.

(13-Docosenamide, N-octadecyl-; 13-Docosenamide, N-octadecyl-, (13Z)-; 13-Docosenamide, N-octadecyl-, (Z)-; EINECS 233-226-5; (Z)-N-Octadecyldocos-13-enamide; Stearyl erucamide. Surfactant and release agent providing slip, antiblocking to thermoplastics incl. PP film, nylon. *Croda; Hexcel; Witco/Humko; Zeeland Chem. Inc.*

3573 Stearyl hydroxyethyl imidazoline

95-19-2 G



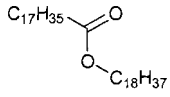
$C_{22}H_{44}N_2O$

1-(2-Hydroxyethyl)-2-heptadecyl-2-imidazoline.

5-23-04-00119 (Beilstein Handbook Reference); Amine 225; Atlasol KAD; BRN 0236487; Calgene C-100-S; Casamine SH; CCRIS 1053; Crodazoline; Crodazoline O; Crodazoline S; EINECS 202-397-8; Fungacide 337; Fungicide 337; 2-(2-Heptadecyl-2-imidazolin-1-yl)-ethanol; 2-Heptadecyl-1-(2-hydroxyethyl)-2-imidazoline; 2-Heptadecyl-2-imidazoline-1-ethanol;; 2-Heptadecyl-3-hydroxyethylimidazoline; 2-Heptadecyl-4,5-dihydro-1H-imidazole; Hodag C-100-S; 1-(β-Hydroxethyl)-2-hepta-decylimidazoline; 1-(2-Hydroxyethyl)-2-(hepta-decyl)-imidazoline; 1-(2-Hydroxyethyl)-2-heptadecyl-2-imid-azoline; 1-(Hydroxyethyl)-2-(heptadecyl)imidazoline; 1-Hydroxyethyl-2-heptadecyl glyoxalidine; 1H-Imidazole-1-ethanol, 2-heptadecyl-4,5-dihydro-; Imid-azoline SOH; 2-Imidazoline-1-ethanol, 2-heptadecyl-; 2-imidazoline, 2-heptadecyl-1-hydroxyethyl-; Miramine® GS; Monazoline S; NSC 22372; Schercozoline S; Stearic acid, aminoethylethanolamine amide-imidazoline; Stearyl hydroxyethyl imidazoline; Stearyl Imidazoline; Unamine® S. Intermediate for quaternary ammonium compounds; strongly absorbed on textiles, paper and many metal surfs.; for agric., asphalt, cleaners, corrosion inhibitors, demulsifiers, flotation, metalworking, paints, pigment grinding, inks, textiles, wax emulsions Moderately toxic by ingestion. *Calgene; Croda Surfactants; Lonzagroup; Mona; Scher.*

3574 Stearyl stearate

2778-96-3 G



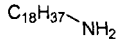
$C_{36}H_{72}O_2$

n-Octadecyl stearate.

EINECS 220-476-5; Octadecanoic acid, octadecyl ester; Octadecyl stearate; Radia® 7501; Stearic acid, stearyl ester; Stearyl stearate. Chemical intermediate, chemical synthesis; lubricant in mineral, cutting, lamination, textile oils, and rust inhibitors; textile and leather application; also used for wax formulation due to its high melting point. *Fina Chemicals.*

3575 Stearylamine

124-30-1 G H



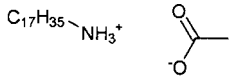
$C_{18}H_{39}N$

n-Octadecylamine.

4-04-00-00825 (Beilstein Handbook Reference); Ado-genen 142; AI3-14661; Alamine 7; Alamine 7D; Amine 18-90; Amine AB; 1-Aminooctadecane; Armeen® 118D; Armeen® 18; Armeen® 18D; Armid® HTD; Armofilm; BRN 0636111; CCRIS 4688; Crodamine 1.18D; EINECS 204-695-3; Farmin 80; HSDB 1194; Kemamine® P990; Monooctadecylamine; n-Stearylamine; Nissan amine AB; Noram SH; NSC 9857; Octadecanamine; 1-Octa-decanamine; Octadecylamine; 1-Octadecylamine; n-Octadecylamine; Oktadecylamin; Steamfilm FG; Stear-amine; Stearylamine. Emulsifier, flotation agent, dis-persing and flushing agent, intermediate, used in metalworking oils, as fuel oil additive; mold release for rubber and plastics; lubricant and spinning aid in metalworking oils. Corrosion inhibitor, anticaking agent; hard rubber mold release agent. Processing aid for high viscosity rubber compounds; facilitating flow behavior and improving mold release. Emulsifier for herbicides, ore flotation, pigment dispersion; auxiliary for textiles, leather, rubber, plastics, and metal industries. Gorrosion inhibitor for control of corrosion caused by carbon dioxide and oxygen in the afterboiler section of steam-generating systems by forming a nonwettable, monomolecular film on metal surfaces. Solid; mp = 52.9°; bp = 346.8°, bp_{32} = 232°; d^{20} = 0.8618; insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, Me_2CO, $CHCl_3$, ligroin; LD_{50} (rat orl) = 2395 mg/kg. *Akzo Chemie; Croda Surfactants*; 2161;3244.

3576 Stearylamine acetate

2190-04-7 G



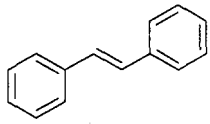
$C_{20}H_{43}NO_2$

1-Octadedecylamine acetate.

Acetamin 86; Acetamin T; Alamac 7D; Armac 18D; Armac OD; EINECS 218-583-7; NSC 81938; Octadecanamine acetate; 1-Octadecanamine, acetate; Octadecylamine, acetate; n-Octadecylamine acetate; Octadecylammonium acetate; Stearamine acetate. Surface coating agent for pigments, anticaking agent for fertilizer; emulsifier, dispersant, and softening agent for textiles; mineral flotation reagent. Used for flotation of minerals, in anticaking agents and as an emulsifier bactericide. *Kao Corp. SA.*

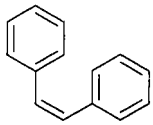
3577 Stilbene

588-59-0 8895 G



$C_{14}H_{12}$
1,1'-(1,2-Ethenediyl)bis[benzene].
Benzene, 1,1'-(1,2-ethenediyl)bis-; Bibenzal; Bibenzyl-idene; BRN 1904445; α,β-Diphenylethylene; 1,2-Di-phenylethylene; Eccobrite RB; 1,1'-(1,2-Ethenediyl)-bisbenzene; EINECS 209-621-3; Stilben; Stilbene; bi-benzal; bibenzylidene. Whitening agent for cotton and acetates. Exists as cis-isomer [645-49-8] or trans-isomer [103-30-0]. *Eastern Color & Chem.*

3578 cis-Stilbene
645-49-8 8895 G



$C_{14}H_{12}$
1,1'-(1,2-Ethanediyl)bis[benzene].
Benzene, 1,1'-(1,2-ethenediyl)bis-, (Z)-; CCRIS 5932; cis-Diphenylethene; cis-1,2-Diphenylethylene; cis-Stilbene; EINECS 211-445-7; HSDB 4270; Isostilbene; NSC 66424; Stilbene, (Z)-; (Z)-Stilbene. Used in chemical synthesis. Liquid; mp = -5°; bp_{10} = 135°; d^{20} = 1.0143; λ_m ■ 223, 276 nm (ε = 20600, 10900, MeOH); insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$, petroleum ether.

3579 Stronscan-85
10476-85-4 8920 G

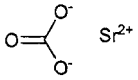
$Cl_2{}^{85}Sr$
Strontium chloride-^{85}Sr.
strontium chloride-(^{85}Sr). Radioactive agent. Solid; mp = 868°; soluble in H_2O (120 g/100 ml); LD_{50} (mus iv) = 148 mg/kg; [hexahydrate]; crystals; mp = 61°; d = 1.96; loses $5H_2O$ at 100°, loses last H_2O at 150°. *Abbott Labs Inc.*

3580 Strontium
7440-24-6 8915 G

Sr

Sr
Strontium.
EINECS 231-133-4; HSDB 2545; Strontium; Strontium, elemental. Metallic element; alloys of strontium used in electron tubes as a 'getter' to combine chemically with active gases and to hold inactive gases by adsorption. Used in fireworks and tracer bullets. mp = 757°; bp = 1366°; d = 2.6; reacts with oxygen. *Atomergic Chemetals; Degussa AG; Noah Chem.*

3581 Strontium carbonate
1633-05-2 8918 G

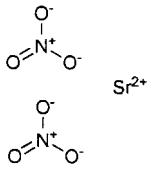


CO_3Sr
Strontium(II) carbonate.
C.I. 77837; Carbonic acid strontium salt (1:1); CCRIS 3203; CI 77837; EINECS 216-643-7; HSDB 5845; NSC 112224; Strontianite; Strontium carbonate; Strontium carbonate ($SrCO_3$). Catalyst, used in radiation-resistant glass for color TV tubes, ceramic ferrites, pyrotechnics. Also used in sugar refining. White solid; dec 1100°; d = 3.5; soluble in H_2O (0.001 g/100 ml). *Atomergic Chemetals; Cerac; Mallinckrodt Inc.; Solvay Deutschland GmbH.*

3582 Strontium chloride
10476-85-4 8920 G

Cl_2Sr
Hydrochloric acid strontium salt.
EINECS 233-971-6; Strontium chloride; Strontium chloride ($SrCl_2$). Used in pyrotechnics, electron tubes. Solid; mp = 868°; soluble in H_2O (120 g/100 ml); LD_{50} (mus iv) = 148 mg/kg; [hexahydrate]; crystals; mp = 61°; d = 1.96; loses $5H_2O$ at 100°, loses last H_2O at 150°. *Atomergic Chemetals; Hoechst Celanese; Sigma-Aldrich Fine Chem.*

3583 Strontium nitrate
10042-76-9 8926 G

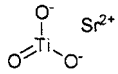


N_2O_6Sr
Strontium(II) nitrate.
EINECS 233-131-9; HSDB 787; Nitrate de strontium; Nitric acid, strontium salt; Strontium dinitrate; Strontium nitrate; Strontium nitrate ($Sr(NO_3)_2$); Strontium(II) nitrate (1:2); UN1507. Pyrotechnics, marine signals, railroad flares, matches. Solid; mp = 570°; d = 2.99; soluble in H_2O (0.66 g/ml), slightly soluble in EtOH, Me_2CO; LD_{50} (rat ip) = 540 mg/kg. *Hoechst Celanese; Noah Chem.; Solvay Deutschland GmbH.*

3584 Strontium oxide
1314-11-0 8928 G

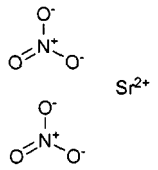
OSr
Strontium(II) oxide.
EINECS 215-219-9; Strontium oxide; Strontium oxide (SrO). Used in the manufacture of strontium salts, pyrotechnics, greases, and soaps. Grey-white solid; mp = 2430°; d = 4.7; reacts with H_2O.

3585 Strontium titanate
12060-59-2 G



O_3SrTi
Strontium titanium oxide.
EINECS 235-044-1; Strontium titanate; Strontium titanium oxide ($SrTiO_3$); Strontium titanium trioxide; Titanate (TiO_3^{2-}), strontium (1:1). Used in electronic devices and in electrical insulation. *Atomergic Chemetals; Ferro/ Transelco; Tam Ceramics.*

3586 **Strotope**
10042-76-9 8926 G

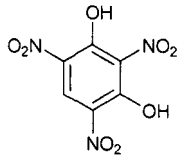


$N_2O_6{}^{85}Sr$

Strontium nitrate-^{85}Sr.

EINECS 233-131-9; HSDB 787; Nitrate de strontium; Nitric acid, strontium salt; Strontium dinitrate; Strontium nitrate; Strontium nitrate ($Sr(NO_3)_2$); Strontium(II) nitrate (1:2); UN1507. Radioactive agent. Solid; mp = 570°; d = 2.99; soluble in H_2O (0.66 g/ml), slightly soluble in EtOH, Me_2CO; LD_{50} (rat ip) = 540 mg/kg. *Bristol-Myers Squibb Co.*

3587 **Styphnic acid**
82-71-3 8943

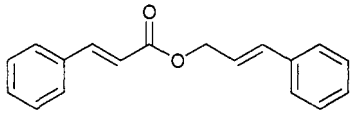


$C_6H_3N_3O_8$

2,4,6-Trinitro-1,3-benzenediol.

AI3-08927; 1,3-Benzenediol, 2,4,6-trinitro-; CCRIS 3107; 2,4-Dihydroxy-1,3,5-trinitrobenzene; EINECS 201-436-6; NSC 36932; Resorcinol, 2,4,6-trinitro-; Styphnic acid; 2,4,6-Trinitro-1,3-benzenediol; 2,4,6-Trinitroresorcinol; UN0219; UN0394. Used in explosives as a priming agent. Yellow crystals; mp = 175.5°; λ_m = 208, 265, 336, 392 nm (ε = 14700, 12500, 8820, 9780 MeOH); soluble in H_2O (0.6-1.2 g/100 ml), soluble in organic solvents. *Dynamit Nobel GmbH.*

3588 **Styracin**
122-69-0 2327 G



$C_{18}H_{16}O_2$

3-Phenyl-2-propen-1-yl 3-phenyl propenoate.

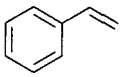
AI3-02445; CCRIS 904; Cinnamic acid, cinnamyl ester; Cinnamyl β-phenylacrylate; Cinnamyl alcohol, cinnamate; Cinnamyl cinnamate; Cinnamylester kyseliny skoricove; EINECS 204-566-1; FEMA No. 2298; NSC 46161; Phenylallyl cinnamate; 3-Phenylallyl cinnamate; 3-Phenyl-2-propen-1-yl 3-phenylpropenoate; 3-Phenyl-2-propen-1-yl cinnamate; 3-Phenyl-2-propenyl 3-phenyl-2-propenoate; 2-Propenoic acid, 3-phenyl-, 3-phenyl-2-propenyl ester; Styracin. Used in chemical synthesis. Needles; mp 44°; d^4 = 1.1565; λ_m = 272 nm (MeOH); insoluble in H_2O, soluble in EtOH, $CHCl_3$, very soluble in Et_2O.

3589 **Styrenated phenol**
61788-44-1 H

Phenol, styrenated.

CCRIS 4915; EINECS 262-975-0; Phenol, styrenated; Styrenated phenol.

3590 **Styrene**
100-42-5 8944 G H

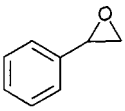


C_8H_8

Benzene, ethenyl-.

AI3-24374; Benzene, ethenyl-; Benzene, vinyl-; Bulstren K-525-19; CCRIS 564; Cinnamene; EINECS 202-851-5; Ethenylbenzene; Ethylene, phenyl-; FEMA Number 3234; HSDB 171; NCI-C02200; NSC 62785; Phenethylene; Phenylethene; Phenylethylene; Stirolo; Styreen; Styren; Styrene; Styrol; Styrole; Styrolene; Styropol SO; UN2055; Vinyl benzene; Vinylbenzen; Vinylbenzene; Vinylbenzol. Used in the manufacture of polystyrene, SBR, ABS, and SAN resins. Oil; mp = -31°; bp = 145°; d^{20} = 0.9060; λ_m = 246, 272, 281, 289 nm (cyclohexane); insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O, Me_2CO, MeOH, CS_2; freely soluble in C_6H_6, petroleum ether.

3591 **Styrene oxide**
96-09-3 H



C_8H_8O

Oxirane, phenyl-.

5-17-01-00577 (Beilstein Handbook Reference); AI3-18151; Benzene, (1,2-epoxyethyl)-; Benzene, (epoxy-ethyl)-; BRN 0108582; CCRIS 1268; EINECS 202-476-7; EP-182; Epoxyethyl benzene; Epoxystyrene; Fenyloxiran; HSDB 2646; NCI-C54977; NSC 637; Oxirane, phenyl-; Phenethylene oxide; Phenyl oxirane; Phenylethylene oxide; Phenyloxirane; Styrene-7,8-oxide; Styrene epoxide; Styrene oxide; Styryl oxide. Liquid; mp = -35.6°; bp = 194.1°; d^{16} = 1.0523; λ_m = 261 nm (cyclohexane); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$.

3592 **Styrene-butadiene copolymer**
9003-55-8 G

$[-CH_2CH(C_6H_5)]_x-(CH_2CH=CHCH_2)_y$

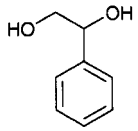
Poly(styrene-co-butadiene).

8000A; Afcolac B 101; Andrez; BASE 661; Benzene, ethenyl-, polymer with 1,3-butadiene; 1,3-Butadiene-ethenylbenzene copolymer; 1,3-Butadiene, polymer with styrene; 1,3-Butadiene-styrene copolymer; Butadiene-styrene copolymer; Butadiene-styrene resin; Butadiene-styrene rubber; Butadiene-styrol copolymer; Butakon 85-71; Diarex 600; Dienol S; Dow 209; Dow 234; Dow 460; Dow 620; Dow 680; Dow 816; Dow latex 612; Dowtex TL 612; DST 50; DST 75; Duranit; Duranit 40; Edistir RB 268; Ethenylbenzene polymer with 1,3-butadiene; Goodrite 1800X73; Histyrene S 6F; Hycar LX 407; K 55E; K-Resin Polymer KR01; K-Resin Polymer KR03; K-Resin Polymer KR04; K-Resin Polymer KR05; K-Resin Polymer KR10; Kopolymer butadien styrenovy; KR01 K-Resin Polymer; KR04 K-Resin Polymer; Kraton®; Kraton® D 1101; Kraton® D 1116; Kraton® D 2103; KRO 1; KRO 2; Krylene® 606; Krylene® 608; Litex CA; Lytron 5202; Marbon 8000A; Marbon 9200; Nipol 407; Pharos 100.1; Plioflex; Pliolite 151; Pliolite 160; Pliolite

491; Pliolite 55B; Pliolite S 50; Pliolite S 5A; Pliolite S-5B; Pliolite S-5C; Pliolite S 5D; Pliolite S-5E; Pliolite S5; Poly(butadiene-co-styrene); Polybutadiene-polystyrene copolymer; Polyco 2410; Polyco 2415; Polystyrene-polybutadiene; PS-SU2; R-104; Ricon 100; Ricon 109; Ricon 181; Ricon 182; Ricon 183; Ricon A-84; Rubber, butadiene-styrene; S6F histyrene resin; SBS; SBS (block polymer); SBS copolymer; SD 345 (Polymer); SD 354; SKS 85; Soil stabilizer 661; Solprene 300; Solprene 303; Styrene, 1,3-butadiene polymer; Styrene-1,3-butadiene copolymer; Styrene block polymer with 1,3-butadiene; Styrene-butadiene block copolymer; Styrene-butadiene copolymer; Styrene polymer with 1,3-butadiene; Synpol 1500; Thermoplastic 125; TR 201; UP 1E; Vestyron HI. Linear styrene-butadiene-styrene transparent and shatter resistant block copolymer containing at least 70 weight percent polymerized styrene; thermoplastic rubber requiring no vulcanization; for formulating adhesives for the building/construction trade, hot-melt adhesives. A copolymer with clarity, toughness, rigidity in extruded parts, and detail on fast production cycles; for blending with general purpose PS; Used for injection molding and extrusion processing; for crystal clear and warp resistant parts; in housings, blister packs, extruded tubes, molded boxes with integral hinges, toys, and where impact PS, oriented PS sheet, cellulosics and rigid PVC have been used. Used to manufacture thermoplastic rubbers, footwear and adhesives, thermoformed blister packs, disposable containers, and in applications where impact PS, oriented PS sheet, polyesters, cellulosics and rigid PVC have been used. Resin can be tinted or colored in a variety of transparent and opaque shades.and is FDA compliant. Used in solvent-based construction mastic adhesives, for medical/food, sporting goods, and misc. molded items, dust covers, point-of-purchase displays, molded boxes, and containers, lids, office supplies, toys, medical devices and tool handles. Other uses include blister packages, bottles, jars, medical devices and extruded tubes and profiles, medical packaging, shrink wrap, overwrap, skin packaging, produce wrap, windows for envelopes and boxes and twist wrap. White solid; d = 0.965. *Phillips 66; Shell.*

3593 Styrolyl alcohol

93-56-1 8945 G



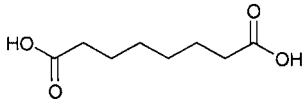
$C_8H_{10}O_2$

1-Phenyl-1,2-ethanediol.

4-06-00-05939 (Beilstein Handbook Reference); AI3-03789; BRN 1306723; α,β-Dihydroxyethylbenzene; 1,2-Dihydroxyethylbenzene; 1,2-Dihydroxy-1-phenylethane; EINECS 202-258-1; 1,2-Ethanediol, 1-phenyl-; 1,2-Ethanediol, phenyl-; 1-Fenyl-1,2-ethandiol; Fenylglycol; NSC 406601; Phenyl-1,2-ethanediol; Phenyl glycol; Phenyl glycol ether; Phenylethanediol; Phenylethane-1,2-diol; Phenylethylene glycol; 1-Phenylethylene glycol; Styrene glycol; Styrolyl alcohol. Used in perfumery. Its esters used as plasticizers. White needles; mp = 67.5°; bp = 273°; soluble in H_2O, organic solvents.

3594 Suberic acid

505-48-6 8946 G



$C_8H_{14}O_4$

Octane-1,8-dioic acid.

AI3-52672; EINECS 208-010-9; Hexamethylenedicarb-oxylic acid; 1,6-Hexanedicarboxylic acid; NSC 25952; Octanedioic acid; 1,8-Octanedioic acid; Suberic acid. Used in plastics manufacture. Needles or plates; mp = 144°; bp_{100} = 279°, bp_{20} = 219°; insoluble in H_2O (0.16 g/100 ml), slightly soluble in DMSO, freely soluble in Et_2O, C_6H_6. *BASF Corp.; Degussa-Hüls Corp.; Penta Mfg.*

3595 Succinic acid

110-15-6 8953 G H

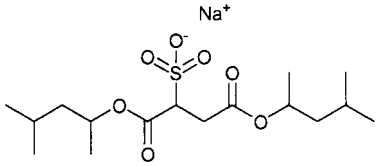
$C_4H_6O_4$

1,4-Butanedioic acid.

4-02-00-01908 (Beilstein Handbook Reference); AI3-06297; Amber acid; Asuccin; Bernsteinsaure; BRN 1754069; Butanedioic acid; 1,4-Butanedioic acid; Dihydrofumaric acid; EINECS 203-740-4; 1,2-Ethane-dicarboxylic acid; Ethylene dicarboxylic acid; Ethylene-succinic acid; HSDB 791; Katasuccin; Kyselina jantarova; NSC 106449; Sal succini; Salt of amber; Succinic acid; Wormwood; Wormwood acid. Used in organic synthesis; manufacture of lacquers, dyes, esters for perfumes, photography, in foods as a sequestrant, buffer, neut-ralizing agent. Triclinic or monoclinic prisms; mp = 188°; bp = 235° (dec); d^{25} = 1.572; λ_m = 222 nm (ε = 4, 0.01N NaOH); insoluble in C_6H_6, C_7H_8; slightly soluble in H_2O, DMSO, soluble in EtOH, MeOH, Et_2O, Me_2CO. *Am. Biorganics; Degussa-Hüls Corp.; DuPont; General Chem; Mallinckrodt Inc.; Pentagon Chems. Ltd.*

3596 Succinic acid, sulfo-, 1,4-bis(1,3-dimethyl-butyl) ester, sodium salt

2373-38-8 H



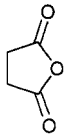
$C_{16}H_{29}NaO_7S$

Butanedioic acid, sulfo-, 1,4-bis(1,3-dimethylbutyl) ester, sodium salt.

Butanedioic acid, sulfo-, 1,4-bis(1,3-dimethylbutyl) ester, sodium salt; EINECS 219-147-9; Sodium 1,4-bis(1,3-dimethylbutyl) sulphonatosuccinate; Succinic acid, sulfo-, 1,4-bis(1,3-dimethylbutyl) ester, sodium salt.

3597 Succinic anhydride

108-30-5 8954 G



$C_4H_6O_3$

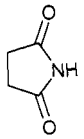
Dihydro-2,5-furandione.

5-17-11-00006 (Beilstein Handbook Reference); AI3-52664; Bernsteinsäure-anhydrid; BRN 0108441; Butanedioic anhydride; CCRIS 2386; Dihydro-2,5-furandione; 2,5-Diketotetrahydrofuran; EINECS 203-570-0; 2,5-Furandione, dihydro-; HSDB 792; NCI-C55696; NSC 8518; Rikacid SA; Succinic acid anhydride; Succinic

anhydride; Succinyl oxide; Tetrahydro-2,5-dioxofuran; Tetrahydro-2,5-furandione. Manufacture of chemicals, pharmaceuticals, esters; hardner for resins, starch modifier in foods. Needles; mp = 119°; bp = 261°; d^{20} = 1.2; insoluble in H_2O, slightly soluble in Et_2O, soluble in EtOH, $CHCl_3$. *Degussa-Hüls Corp.; Humphrey; Lancaster Synthesis Co.; Penta Mfg.*

3598 Succinimide

123-56-8 8955 G



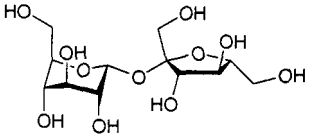
$C_4H_5NO_2$

2,5-Diketopyrrolidine.

5-21-09-00438 (Beilstein Handbook Reference); AI3-08539; BRN 0108440; Butanimide; Dihydro-3-pyrroline-2,5-dione; 3,4-Dihydropyrrole-2,5-dione; 2,5-Diketo-pyrrolidine; 2,5-Dioxopyrrolidine; EINECS 204-635-6; Lubrizol® 2153; NSC 11204; 2,5-Pyrrolidinedione; Succinic acid imide; Succinic imide; Succinimide; Succinimide-sauba. Pigment dispersant and wetting agent for color concs., inks, plastisols and organosols. Growth stimulants for plants, organic synthesis. Plates; mp = 126.5°; bp = 287° (dec); d^{25} = 1.418; λ_m = 276 nm (MeOH); soluble in H_2O (0.3-1.4 g/ml), slightly soluble in EtOH, Et_2O, Me_2CO; LD_{50} (rat orl) ■ 14 g/kg. *Chemie Linz N. Am.; Chemie Linz UK.*

3599 Sucrose

57-50-1 8966 D H



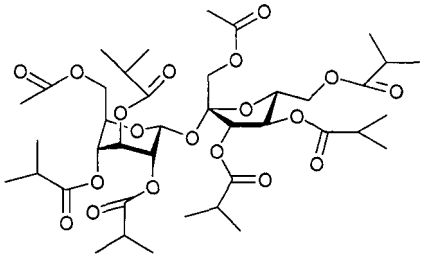
$C_{12}H_{22}O_{11}$

β-D-Fructofuranosyl-α-D-glucopyranoside.

AI3-09085; Amerfand; Amerfond; Beet sugar; Cane sugar; CCRIS 2120; Confectioner's sugar; EINECS 200-334-9; Fructofuranoside, α-D-glucopyranosyl, β-D; β-D-Fructo-furanosyl-α-D-glucopyranoside; Glucopyranoside, β-D-fructofuranosyl, α-D; α-D-Glucopyranoside, β-D-fructo-furanosyl-; α-D-Glucopyranosyl β-D-fructofuranoside; (α-D-Glucosido)-β-D-fructofuranoside; Granulated sugar; HSDB 500; Microse; NCI-C56597; NSC 406942; Rock candy; Rohrzucker; Saccharose; Saccharum; Sucraloxum; Sucrose; D-Sucrose; Sucrose, dust; Sucrose, pure; Sugar; Table sugar; White sugar. Disaccharide; sweetening agent in food, pharmaceuticals; in fermentation; as flavoring agent, preservative, antioxidant (in form of invert sugar); granulation agent and excipient for tablets; in plastics and cellulose industry, rigid polyurethane foams and manufacture of ink. White crystals; dec 160-186°; d_4^{25} = 1.587; $[\alpha]_D^{25}$ = 66.5°; soluble in H_2O (2 g/ml), less soluble in organic solvents. *Am. Biorganics; Mallinckrodt Inc.; Mendell Edward; Pfanstiehl Labs Inc.*

3600 Sucrose acetate isobutyrate

126-13-6 H



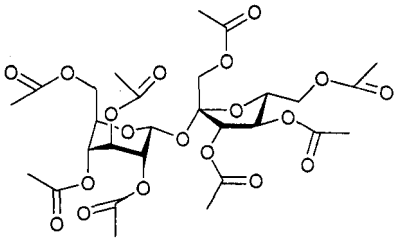
$C_{40}H_{62}O_{19}$

6-O-Acetyl-1,3,4-tris-O-(2-methyl-1-oxopropyl)-β-D-fructofuranosyl, 6-acetate 2,3,4-tris(2-methylpropanoate).

AI3-25354; EINECS 204-771-6; HSDB 5657; Isobutyric acid, hexaester with sucrose diacetate; Saccharose acetate isobutyrate; SAIB; SAIB 100S; Sucrose acetate isobutyrate; Sucrose acetoisobutyrate; Sucrose di(acetate) hexaisobutyrate.

3601 Sucrose octa-acetate

126-14-7 8967 G



$C_{28}H_{38}O_{19}$

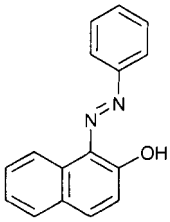
D-(+)-sucrose octa-acetate.

5-17-08-00410 (Beilstein Handbook Reference); AI3-00071; BRN 0079290; EINECS 204-772-1; FEMA No. 3038; Fructofuranosyl, tetraacetate; α-D-Glucopyran-oside, 1,3,4,6-tetra-O-acetyl-β-D-; NSC 1695; Octa-acetylsucrose; Octa-O-acetylsucrose; 2,3,4,6,1',3',4',6'-Octa-O-acetylsucrose; Sucrose octaacetate; 1,3,4,6-Tetra-O-acetyl-β-D-fructofuranosyl-α-D-glucopyranoside.

Used as an adhesive and for impregnating and insulating paper. Needles; mp = 86.5°; bp_1 = 250°; d^{16} = 1.27; $[\alpha]_D^{20}$ = 59.6° (c ■ 1 $CHCl_3$); slightly soluble in H_2O (0.9 g/100 ml), soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$.

3602 Sudan I

842-07-9 G



$C_{16}H_{12}N_2O$

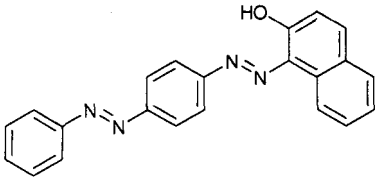
1-phenylazo-2-naphthol.

4-16-00-00228 (Beilstein Handbook Reference); Atul Orange R; Benzene-1-azo-2-naphthol; Benzeneazo-β-naphthol; Brasilazina Oil Orange; Brilliant Oil Orange R; BRN 0651992; C. I. Solvent Yellow 14; C.I. 12055; C.I. Disperse Yellow 97; Calco Oil Orange 7078-Y; Calco Oil Orange 7078; Calco Oil Orange Z-7078; Calcogas M;

Calcogas Orange NC; Campbelline Oil Orange; Carminaph; CCRIS 174; Ceres Orange R; Cerotinorange G; CI 12055; Disperse Yellow 97; Dispersol Yellow PP; Dunkelgelb; EINECS 212-668-2; Enial Orange I; Fast Oil Orange; Fast Oil Orange I; Fast Orange; Fat Orange 4A; Fat Orange G; Fat Orange I; Fat Orange R; Fat Orange RS; Fat Soluble Orange; Fettorange 4a; Fettorange 4A; Fettorange IG; Fettorange Ig; Fettorange R; Grasal Orange; Grasan Orange R; Hidaco Oil Orange; HSDB 4132; 2-Hydroxy-1-phenylazonaphthalene; 2-Hydroxy-naphthyl-1-azobenzene; Lacquer Orange VG; Morton Orange Y; Motiorange R; 2-Naphthalenol, 1-(phenylazo)-; 2-Naphthol, 1-(phenylazo)-; 2-Naphtholazobenzene; NCI-C53929; NSC 11227; NSC 51524; Oil Orange; Oil Orange 2B; Oil Orange 31; Oil Orange 2311; Oil Orange 7078-V; Oil Orange E; Oil Orange EP; Oil Orange PEL; Oil Orange PS; Oil Orange R; Oil Orange R-14; Oil Orange Z-7078; Oil Soluble Orange; Oleal Orange R; orange 3RA soluble in grease; orange a l'huile; orange r fat soluble; orange resenole no. 3; orange soluble a l'huile; Orange 2 insoluble; Orange 3RA soluble in grease; Orange á l'huile; Orange Insoluble OLG; Orange pel; Orange R Fat Soluble; Orange Resenole 3; Orange Resenole No. 3; Orange soluble á l'huile; Organol Orange; Orient Oil Orange PS; Petrol Orange Y; α-Phenylazo-β-naphthol; 1-(Phenylazo)-2-naphthalenol; 1-Benzoazo-2-naphthol; 1-Phenylazo-β-naphthol; 1-Phenylazo-2-naphthol; Plastoresin Orange F4A; Pyronalorange; Resinol Orange R; Resoform Orange G; Sansel Orange G; Scharlach B; Silotras Orange TR; Solvent Yellow 14; Somalia Orange I; Soudan I; Spirit Orange; Spirit Yellow I; Stearix Orange; Sudan 1; Sudan I; Sudan J; Sudan Orange R; Sudan Orange RA New; Sudan Orange RA; Sudan Yellow; Tertrogras Orange SV; Toyo Oil Orange; Waxakol Orange GL; Waxoline Yellow I; Waxoline Yellow IM; Waxoline Yellow IP; Waxoline Yellow IS; Zlut rozpoustedlova 14. A dyestuff, used for coloring oils and varnishes. Crystals; mp = 131-133°; λ_m = 230, 280, 304 nm (ε = 38905, 6607, 6918, cycl;ohexane), 229, 256, 280, 313, 408, 421 nm (ε = 35481, 11220, 5129, 7079, 15488, 10715, EtOH); insoluble in H_2O.

3603 Sudan III

85-86-9 8969 G



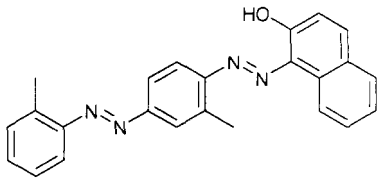
$C_{22}H_{16}N_4O$

1-[4-(phenylazo)phenylazo]-2-naphthol.

111440 Red; 4-16-00-00248 (Beilstein Handbook Reference); AI3-02854; Atul Oil Red G; Benzeneazo-benzeneazo-β-naphthol; Brasilazina Oil Scarlet; BRN 0931185; C.I. 23; C.I. 26100; C.I. Solvent Red 23; CCRIS 7074; Cerasin Red; Cerasinrot; Cerotinscharlach R; Certiqual Oil Red; Cerven rozpoustedlova 23; CI 26100; D & C Red No. 17; EINECS 201-638-4; Fast Oil Scarlet III; Fat Red (bluish); Fat Red HRR; Fat Red R; Fat Red RS; Fat Scarlet LB; Fat Soluble Red ZH; FD and C Red No. 17; Fettponceau G; Fettrot; Fettscharlach; Fettscharlach LB; Grasal Brilliant Red G; Grasan Brilliant Red G; Japan Red 225; Motirot 2R; 2-Naphthalenol, 1-((4-(phenylazo)-phenyl)azo)-; 2-Naphthol, 1-((p-(phenylazo)phenyl)azo)-; NSC 65825; Oil Red; Oil Red 3G; Oil Red 6566; Oil Red AS; Oil Red G; Oil Scarlet; Oil Scarlet AS; Oil Scarlet G; Organol Red BS; Organol Scarlet; 1-(4-(Phenylazo)-phenylazo)-2-naphthol; 1-(Phenylazophenylazo)-2-hydroxynaphthalene; Ponceau, insoluble, OLG; Pyro-nalrot B; Red No. 225; Red ZH; Rouge cerasine; Scarlet B Fat Soluble; Schultz No. 31; Silotras Scarlet TB; Solvent red 23; Somalia Red III; Soudan III; Stearix Scarlet; Sudan 3; Sudan G III; Sudan III; Sudan III (G); Sudan P III; Sudan Red III; Tetrazobenzene-β-naphthol; Toney Red. Used for coloring oils and varnishes. Approved by FDA for external use. Brown leaflets with a green lustre; mp = 195°; λ_m = 345, 505 nm (ε = 16596, 30903, cellosolve); insoluble in H_2O, soluble in organic solvents. *Medical Chemical Corp.*

3604 Sudan IV

85-83-6 8469 G



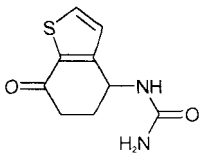
$C_{24}H_{20}N_4O$

1-[[2-methyl-4-[(2-methylphenyl)azo]phenyl]azo]-2-naphthalenol.

4-16-00-00249 (Beilstein Handbook Reference); AI3-02855; Biebrich Scarlet BPC; Biebrich Scarlet R medicinal; Biebrich Scarlet Red; Brasilazina Oil Red B; BRN 0709018; C.I. 258; C.I. 26105; C.I. Solvent Red 24; Calco Oil Red D; Candle Scarlet 2B; Candle Scarlet B; Candle Scarlet G; CCRIS 2430; Ceres Red BB; Cerotine Ponceau 3B; Cerven rozpoustedlova 24; 2',3-Dimethyl-4-(2-hydroxynaphthylazo)azobenzene; Dispersol Red PP; EINECS 201-635-8; Enial Red IV; Fast Oil Red B; Fast Red BB; Fat Ponceau R; Fat Red 2B; Fat Red B; Fat Red BB; Fat Red BS; Fat Red TS; Fat Soluble Dark Red; Grasal Brilliant Red B; Grasan Brilliant Red B; Hidaco Oil Red; Lacquer Red V; Lacquer Red VS; Lipid Crimson; 1-((2-Methyl-4-((2-methylphenyl)azo)phenyl)-azo)-2-naphthalenol; 1-(2-Methyl-4-(2-methylphenylazo)-phenylazo)-2-naphthol; 2-Naphthalenol, 1-((2-methyl-4-((2-methylphenyl)azo)-phenyl)azo)-; 2-Naphthol, 1-((4-(o-tolylazo)-o-tolyl)azo)-; NSC 10472; Oil Red D; Oil Red APT; Oil Red TAX; Oil Red S; Oil Red RR; Oil Red RC; Oil Red PEL; Oil Red A; Oil Red IV; Oil Red BB; Oil Red BS; Oil Red ZD; Oil Red ED; Oil Red F; Oil Red GO; Oil Red 2B; Oil Red 3; Oil Red 3B; Oil Red 4B; Oil Red 7; Oil Red 47; Oil Red 282; Oil Scarlet; Oil Scarlet; Oil Scarlet 48; Oil Soluble Dark Red; Oleal Red BB; Organol Red B; Orient Oil Red RR; Phenoplaste Organol Red B; Plastoresin Red F; Red 3R soluble IN grease; Resinol Red 2B; Resoform Red G; Rubrum scarlatinum; Sariach R; Scarlet oil; Scarlet R (michaelis); Scarlet red; Scarlet red, biebrich; Scarlet Red; Scharlachrot; Schultz No. 541; Silotras Red T3B; Solvent red 24; Somalia Red IV; Stearix Red 4B; Stearix Red 4S; Sudan IV; Sudan P; Sudan Red 4BA; Sudan Red BB; Sudan Red BBA; Sudan Red IV; Tertrogras Red N; o-Tolueneazo-o-tolueneazo-β-naphthol; o-Tolueneazo-o-toluene-β-naphthol; o-Tolyl-azo-o-tolylazo-β-naphthol; o-Tolylazo-o-tolylazo-2-naph-thol; α-Tolylazo-o-tolylazo-β-naphthol; 1-(4-o-Tolylazo-o-tolylazo)-2-naphthol; Toyo Oil Red BB; Waxakol Red BL; Waxoline Red O; Waxoline Red OM; Waxoline Red OS. Used as a dyestuff to stain fats. Dark brown powder; mp = 186° (dec); bp ☞ 260° (dec); insoluble in H_2O, soluble in organic solvents. *Medical Chemical Corp.*

3605 Sulbenox

58095-31-1 8976 G D V



$C_9H_{10}N_2O_2S$

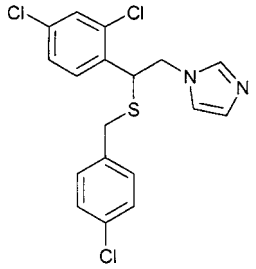
(4,5,6,7-Tetrahydro-7-oxobenzo[b]thien-4-yl)urea.

BRN 1643663; CL 206576; Sulbenox; Sulbenoxum; (4,5,6,7-Tetrahydro-7-oxobenzo(b)thien-4-yl)urea; Urea, (4,5,6,7-tetrahydro-7-oxobenzo(b)thien-4-yl)-; Vigazoo. Veterinary growth stimulant.

Crystals; mp = 245-246°; LD_{50} (rat orl) > 5000 mg/kg. *Am. Cyanamid.*

3606 Sulconazole

61318-90-9 8978 G D



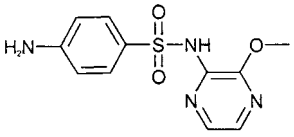
$C_{18}H_{15}Cl_3N_2S$

(±)-1-[2,4-Dichloro-β-[(p-chlorobenzyl)yhio]phenethyl]-imidazole.

(-)-1-(2,4-Dichlor-β-((4-chlorbenzyl)thio)phenethyl)-imidazol; (-)-1-(2,4-Dichloro-β-((p-chlorobenzyl)thio)-phenethyl)imidazole; Exelderm; (±)-1H-Imidazole, 1-(2-(((4-chlorophenyl)methyl)thio)-2-(2,4-dichlorophenyl)-ethyl)-; Sulconazol; Sulconazole; Sulconazolum. Topical antifungal agent. *C.M. Ind.; ICI Chem. & Polymers Ltd.; Syntex Labs. Inc.*

3607 Sulfalene

152-47-6 8995 D G



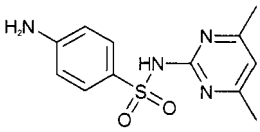
$C_{11}H_{12}N_4O_3S$

3-Methoxy-2-sulfapyrazine.

5-25-12-00574 (Beilstein Handbook Reference); 2-(p-Aminobenzenesulfonamido)-3-methoxypyrazine; 4-Amino-N-(3-methoxypyrazinyl)benzenesulfonamide; AS 18908; Benzenesulfonamide, 4-amino-N-(3-methoxy-pyrazinyl)-; BRN 0622512; Dalysep; EINECS 205-804-7; F.I. 5978; Farmitalia 204/122; Kelfizin; Kelfizina; Kelfizine; Kelfizine W; Longum; N^1-(3-Methoxy-2-pyrazinyl)sulfanilamide; N^1-(3-Methoxypyrazinyl)-sulfanilamide; 2-Methoxy-3-sulfanilamidopyrazine; 3-Meth-oxypyrazine sulfanilamide; NSC-110433; Policydal; Polycidal; Pyrazine, 2-sulfanilamido-3-methoxy-; SMP; SMP2; Solfametopirazina; Sulfalen; Sulfalene; Sulfaleno; Sulfalenum; Sulfamethopyrazine; Sulfamethoxypyrazine; Sulfametopyrazine; Sulfanilamide, N^1-(3-methoxy-2-pyrazinyl)-; Sulfanilamide, N'-(3-methoxypyrazinyl)-; 2-Sulfanilamide 3-methoxypyrazine; 2-Sulfanilamido-3-methoxypyrazine; Sulfapyrazinemethoxyine; Sulfapyrazinemethoxine; Sulfapyrazinemethoxyne; Vetkelfizina; WR 4629. A sulfonamide antibiotic. Crystals; mp = 176°; LD_{50} (mus orl) = 2164 mg/kg, (mus ip) = 1410 mg/kg. *Abbott Labs Inc.; Farmitalia Societa Farmaceutici.*

3608 Sulfamethazine

57-68-1 9000 D



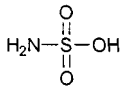
$C_{12}H_{14}N_4O_2S$

N^1-(4,6-Dimethyl-2-pyrimidinyl)sulfanilamide.

5-25-10-00250 (Beilstein Handbook Reference); A-502; AI3-26817; Azolmetazin; BN 2409; BRN 0261304; Calfspan Tablets; CCRIS 3701; Cremomethazine; Diazil; DiazilSulfadine; Diazyl; Dimezathine; Dimidin-R; S-Dimidine; EINECS 200-346-4; Hava-Span; HSDB 4157; Intradine; Kelametazine; Mermeth; Metazin; NCI-C56600; Neasina; Neazina; NSC 67457; Pirmazin; SA III; Solfadimidina; Spanbolet; Sulfa-Isodimerazine; Sulfa-dimerazine; Sulfadimesin; Sulfadimesine; Sulfadimethyl-diazine; Sulfadimethylpyrimidine; Sulfadimezin; Sulfa-dimezine; Sulfadimezinum; Sulfadimidin; Sulfadimidina; Sulfadimidine; Sulfadimidinum; Sulfadine; Sulfametazina; Sulfametazyny; Sulfamethazine; Sulfamethiazine; Sulfa-mezathine; SulfaSURE SR Bolus; Sulfodimesin; Sulfodimezine; Sulka K Boluses; Sulka S Boluses; Sulmet; Sulphadimethylpyrimidine; Sulphadimidine; Sulpha-methasine; Sulphamethazine; Sulphamezathine; Sulpha-midine; Sulphodimezine; Superseptil; Superseptyl; Verto-lan. Sulfonamide antibiotic. Used as a bacteriostatic agent. Crystals; mp = 170-176°, 178-179°, 198-199°, 205-207°; λ_m 241 nm ($E^{1\%}_{cm}$ 670 H_2O, pH 6.6), 243 257 nm ($E^{1\%}_{cm}$ 765 776 0.01N NaOH), 241 297 nm ($E^{1\%}_{cm}$ 561 266 0.01N HCl); soluble in H_2O (0.15 g/100 ml at 29°, 0.192 g/100 ml at 37°, pH 7.00); LD_{50} (mus ip) = 1060 mg/kg. *Fermenta Animal Health Co.; ICI; Inst. Chemioter.; Merck & Co.Inc.; Solvay Animal Health Inc.*

3609 Sulfamic acid

5329-14-6 9006 G P



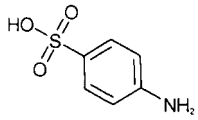
H_3NO_3S

Amidosulfonic acid.

AI3-15024; Amidosulfonic acid; Amidosulfuric acid; Aminosulfonic acid; Aminosulfuric acid; Caswell No. 809; EINECS 226-218-8; EPA Pesticide Chemical Code 078101; HSDB 795; Imidosulfonic acid; Jumbo; Kyselina amidosulfonova; Kyselina sulfaminova; NSC 1871; Sulfamic acid; Sulfamidic acid; Sulfaminic acid; Sulphamic acid; Sulphamidic acid; UN2967. Used in metal/ceramic cleaning, nitrite removal in azo-dyeing, gas-liberating compositions, organic synthesis, analytical standard, chlorine stabilizer, bleaching paper pulp and textiles, catalyst for ureaformaldehyde resins, sulfonating agent, used for pH control and as a weedkiller. Registered by EPA as an antimicrobial and disinfectant (cancelled). Orthorhombic crystals; mp ■ 205° (dec); d = 2.15; soluble in H_2O (15.3 g/100 ml at 0°, 50 g/100 ml at 80°), sparingly soluble in EtOH, MeOH, slighly soluble in Me_2CO, insoluble in Et_2O; pH of 1% aqueous solution = 1.18; MLD (rat orl) = 1600 mg/kg. *General Chem; Lancaster Synthesis Co.; PMC; Sigma-Aldrich Co.; Transol Chem. UK Ltd.*

3610 Sulfanilic acid

121-57-3 9012 D G H



$C_6H_7NO_3S$

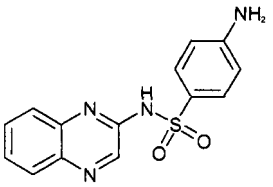
p-Aminobenzenesulfonic acid.

AI3-15414; Aniline-4-sulfonic acid; Aniline-p-sulfonic acid; Aniline-p-sulphonic acid; Benzenesulfonic acid, 4-amino-; CCRIS 4576; EINECS 204-482-5; HSDB 5590; Kyselina sulfanilova; NSC 7170; p-Aminobenzenesulfonic acid; Sulfanilic acid; Sulfanilsäure; Sulphanilic acid. Used in dyestuffs, organic synthesis, medicine,

reagent. Medically as a sulfone antibiotic. Crystals; mp = 288°, d^{25} = 1.485; λ_m ■ 252 nm (ε = 3060, MeOH); slightly soluble in H_2O (1.0 g/100 ml at 20°, 1.45 g/100 ml at 30°, 1.94 g/100 ml at 40°); insoluble in EtOH, C_6H_6, Et_2O; slightly soluble in hot MeOH. 3V; *Am. Cyanamid; Penta Mfg.; U.S. BioChem.*

3611 Sulfaquinoxaline

59-40-5 9025 D G



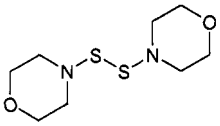
$C_{14}H_{12}N_4O_2S$

N^1-2-Quinoxalinylsulfanilamide.

5-25-11-00125 (Beilstein Handbook Reference); AI3-17254; Anti-K; Avicocid; BRN 0290026; Caswell No. 721; Compound 3-120; EINECS 200-423-2; EPA Pesticide Chemical Code 077901; Italquina; Kokozigal; NSC 41805; SQ 40; SQX; Sulfa-Q 20; Sulfabenzpyrazine; Sulfacox; Sulfaline; Sulfaquinoxalina; Sulfaquinoxaline; Sulfaquinoxalinum; Sulphaquinoxaline; Sulquin; Sulquin 6-50 Concentrate; Ursokoxaline.; component of: Sulquin 6-50 Concentrate. Sulfonamide antibiotic. Crystals; mp = 247-248°; λ_m = 252, 360 nm ($E^{1\%}_{cm}$ 1110, 275 H_2O pH 6.6), soluble in H_2O (0.00075 g/100 ml pH 7), 95% EtOH (0.073 g/100 ml), Me_2CO (0.43 g/100 ml), soluble in aq. NaOH, Na_2CO_3 solutions. *Solvay Animal Health Inc.*

3612 Sulfasan R

103-34-4 3408 G H



$C_8H_{16}N_2O_2S_2$

Di(morpholin-4-yl) disulphide.

4-27-00-00613 (Beilstein Handbook Reference); Accel R; AI3-08625; Akrochem® Accelerator R; Bismorpholino disulfide; BRN 0126214; Deovulc M; Di(morpholin-4-yl) disulphide; Dimorpholine disulfide; Dimorpholine N,N'-disulfide; Dimorpholino disulfide; Disulfide, dimorphol-ino-; Dithiobismorpholine; 4,4'-Dithiobismorpholine; 4,4'-Dithiodimorpholine; EINECS 203-103-0; HSDB 5351; Morpholine disulfide; Naugex SD-1; NSC 65239; Sanfel R; Sulfasan; Sulfasan R; USAF B-17; USAF EK-T-6645; Vanax® A; Vulnoc. A sulfur donor used as a partial or total replacement of sulfur for resistance to heat and ageing in NR, SBR, NBR, and EPDM. Functions as primary accelerator for NR, IR, SBR, NBR, IIR elastomers, and as primary and secondary accelerator in EPDM. Accelerator for uses where a nonblooming or nonstaining sulfur donor is required; used for EV or semi-EV compounds, in synthetic and natural rubbers. Vulcanizing agent for natural and synthetic rubbers. Has also been used as a fungicide. Crystals; mp = 124-125°; d^{25} = 1.36; λ_m = 251 nm (ε = 5129, cyclohexane); soluble in Me_2CO, C_6H_6, EtOAc.

3613 Sulfated fish oil, sodium salt

61788-64-5 H

Fish oil, sulfated, sodium salt.

EINECS 262-992-3; Fats and Glyceridic oils, fish, sulfated, sodium salts; Fish oil, sulfated, sodium salt; Mixed fish oils, sulfated, sodium salt; Oils, fish, sulfated, sodium salts; Sulfated fish oil, sodium salt.

3614 Sulfated tall oil, sodium salt

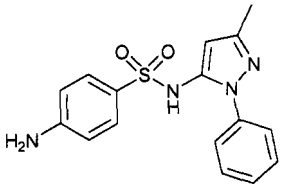
61790-35-0 H

Tall oil, sulfated, sodium salt.

EINECS 263-127-2; Tall oil sulfonate, sodium salt; Sulfated tall oil, sodium salt.

3615 Sulfazamet

852-19-7 9033 G V



$C_{16}H_{16}N_4O_2S$

4-Amino-N-(3-methyl-1-phenyl-1H-pyrazol-5-yl)benzenesulfonamide.

Ba 18605; Benzenesulfonamide, 4-amino-N-(3-methyl-1-phenyl-1H-pyrazol-5-yl)-; EINECS 212-707-3; N1-(3-Methyl-1-phenylpyrazol-5-yl)sulfanilamide; 1-Phenyl-3-methyl-5-sulfanilamidopyrazole; Solfapirazolo; Sulfapira-zol; Sulfapyrazole; Sulfapyrazolum; Sulphapyrazole; Ves-ulong veterinary. Antibacterial agent used in veterinary medicine. Crystals; mp = 195°, 181-182°. *CIBA plc.*

3616 Sulfolane

126-33-0 9044 H

$C_4H_8O_2S$

2,3,4,5-Tetrahydrothiophene-1,1-dioxide.

5-17-01-00039 (Beilstein Handbook Reference); AI3-09541; Bondelane A; Bondolane A; BRN 0107765; CCRIS 2310; Cyclic tetramethylene sulfone; Cyclo-tetramethylene sulfone; Dihydrobutadiene sulfone; Dihydrobutadiene sulphone; Dioxothiolan; EINECS 204-783-1; HSDB 122; NSC 46443; Sulfalone; Sulfolan; Sulfolane; Sulpholane; Sulphoxaline; Tetrahydrothiofen-1,1-dioxid; Tetrahydrothiophene dioxide; Tetrahydro-thiophene 1,1-dioxide; Tetramethylene sulfone; Thia-cyclopentane dioxide; Thiocyclopentane-1,1-dioxide; Thiolane-1,1-dioxide; Thiophan sulfone; Thiophane dioxide; Thiophene, tetrahydro-, 1,1-dioxide. Solid; mp = 27,6°; bp = 287.3°; d^{18} = 1,2723; soluble in $CHCl_3$.

3617 3-Sulfolene

77-79-2 9045 H

$C_4H_6O_2S$

2,5-Dihydrothiophene 1,1-dioxide.

5-17-01-00177 (Beilstein Handbook Reference); AI3-23457; BRN 0107004; Butadiene sulfone; CCRIS 569; 2,5-Dihydrothiophene 1,1-dioxide; 2,5-Dihydrothio-phene dioxide; 2,5-Dihydrothiophene sulfone; EINECS 201-059-7; HSDB 2903; NCI-C04557; NSC 48532; β-Sulfolene; 1-Thia-3-cyclopentene 1,1-dioxide; Thio-phene, 2,5-

dihydro-, 1,1-dioxide. Solid; mp = 64.5°; soluble in H_2O, $CHCl_3$. *Dow Chem. U.S.A.; Shell UK; Shell.*

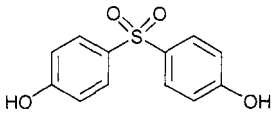
3618 Sulfonic acids, petroleum, barium salts

61790-48-5 H

Sulfonic acids, petroleum, barium salts.
EINECS 263-140-3; Sulfonic acids, petroleum, barium salts; Sulfonic acids, petroleum, barium salts, overbased.

3619 4,4'-Sulfonyldiphenol

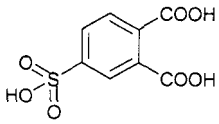
80-09-1 H



$C_{12}H_{10}O_4S$
Bis(p-hydroxyphenyl) sulfone.
4-06-00-05809 (Beilstein Handbook Reference); AI3-08667; Bis(4-hydroxyphenyl) sulfone; Bis(p-hydroxy-phenyl)sulfone; Bisphenol S; 4,4'-Bisphenol S; BPS 1; BRN 2052954; CCRIS 2647; 4,4'-Dihydroxydiphenyl sulfone; Diphone C; EINECS 201-250-5; 4-Hydroxy-phenyl sulfone; NSC 8712; Phenol, 4,4'-sulfonylbis-; Phenol, 4,4'-sulfonyldi-; p,p'-Dihydroxydiphenyl sulfone; 4,4'-Sulfonylbisphenol; 4,4'-Sulfonyldiphenol; 4,4'-Sulphonyldiphenol. Used in manufacture of fire retardant chemicals, polyether sulfone resins, polycarbonate resins, polyester resins, epoxy resins, formaldehyde condens-ation products, speciality resins. FDA GRAS. Needles; mp = 240.5°; d^{15} = 1.3663; insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6. *Hindustan Monomers; Zhangjiagang Gangda Chemical Company Ltd.*

3620 4-Sulfophthalic acid

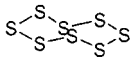
89-08-7 H



$C_8H_6O_7S$
1,2-Benzenedicarboxylic acid, 4-sulfo-.
EINECS 201-881-6; HSDB 5264; NSC 100615; Phthalic acid, 4-sulfo-; 4-Sulfophthalic acid; 4-Sulphophthalic acid.

3621 Sulfur

7704-34-9 9059 D G P



S_8
Sulfur, pharmaceutical.
Acnomel; Agri-Sul; AN-Sulfur Colloid Kit; Aquilite; Asulfa-Supra; Atomic sulfur; Bensulfoid; Biosulphur powder; Brimstone; Caswell No. 812; Colloidal-S; Colloidal sulfur; Collokit; Colsul; Corosul D and S; Cosan; Cosan 80; Crystex; Devisulphur; EINECS 231-722-6; Elosal; EPA Pesticide Chemical Code 077501; Flour sulfur; Flour sulphur; Flowers of sulfur; Flowers of sulphur; Fostril; Gofrativ; Ground vocle sulfur; Ground vocle sulphur; Hexasul; HSDB 5166; Kolloidschwefel 95; Kolo 100; Kolofog; Kolospray; Kristex; Kumulus®; Kumulus® FL; Liquamat; Magnetic 6; Magnetic 70; Magnetic 90; Magnetic 95; Micowetsulf; Microflotox; Microthiol; NA1350; NA2448; Netzschwefel; NSC 403664; Octocure 456; Pernox; Polsulkol extra; Precipitated sulfur; Rc-schwefel extra; Rezamid; Roll sulfur; Salicylic acid & sulfur soap; Sastid; Schwefel, feinverteilter; Sebulex; Shreesul; Sofril; Solfa; Soufre; Sperlox-S; Spersul; Spersul thiovit; Sublimed sulfur; Sublimed sulphur; Suffa; Sufran; Sufran D; Sulfex; Sulfidal; Sulforcin; Sulforon; Sulfospor; Sulfoxyl; Sulfur; Sulfur, monoclinic; Sulfur ointment; Sulfur, pharmaceutical; Sulfur, precipitated; Sulfur, rhombic; Sulfur Soap; Sulfur, solid; Sulfur, sublimed; Sulfur vapor; Sulikol; Sulkol; Sulphur; Sulsol; Sultaf; Super cosan; Super Six; Svovl; TechneColl; Tesuloid; Thiolux; Thion; Thiovit; Thiovit S; Thiozol; Transact; Ultra Sulfur; UN1350; UN2448; Vassgro Flowable Sulphur; Wettasul; Zolvis. Scabicide; ectoparasiticide. Used for control of diseases and spider mites in fruit, vines, vegetable, ornamentals, and agricultural crops. Registered by EPA as a fungicide. Rubber accelerator; also used for vulcanization processes in aqueous latex compounds. Required for sulfuric acid manufacture, petroleum refining, dyes and chemicals, fungicide, insecticides, explosives, detergents. Used medicinally as a scabicide and ectoparasiticide, incorporated into products for impure skin, oily hair and dandruff. Yellow powder; mp = 115.21°; bp = 444°; d = 2.06; insoluble in H_2O, sparingly soluble in alcohol and ether; non-toxic to humans and animals. *Agriliance LLC; BASF Corp.; Bayer Corp.; Cleary W. A.; Dermik Labs. Inc.; Drexel Chemical Co.; ECR Pharm.; Galderma Labs Inc.; Generic; Helena Chemical Co.; Henkel/Cospha; ICI Chem. & Polymers Ltd.; L W Vass (Agricultural) Ltd; Menley & James Labs Inc.; Micro-Flo Co. LLC; Norsk Hydro AS; Pan Britannica Industries Ltd.; Richter; Shell; Stiefel Labs Inc.; Texaco; Tiarco; Westwood-Squibb Pharm. Inc.; Wilbur Ellis Co.*

3622 Sulfur dioxide

7446-09-5 9061 G P

SO_2
Sulfurous oxide.
Caswell No. 813; EINECS 231-195-2; EPA Pesticide Chemical Code 077601; FEMA No. 3039; Fermenicide liquid; Fermenicide powder; HSDB 228; Schwefeldioxid; Schwefeldioxyd; Siarki dwutlenek; Sulfur dioxide; Sulfur dioxide (SO_2); Sulfur superoxide; Sulfurous acid anhyd-ride; Sulfurous anhydride; Sulfurous oxide; Sulphur dioxide; Surfur dioxide (anhydrous); UN 1079. Used to process sulfite paper pulp, ore and metal refining, soybean protein, intermediates, solvent extraction, bleaching oils and starch, sulfonation of oils, disinfectant, fumigant, food additive, reducing agent, antioxidant. Registered by EPA as a fungicide. FDA, FEMA GRAS, Japan approved (0.03 - 5.0 g/kg), Europe listed, UK approved, USP/NF, BP compliance. Used as an antioxidant preservative for pharmaceuticals. Gas; mp = -72°; bp = -10°; soluble in H_2O (10 g/100 ml), more soluble in organic solvents. *Air Prods & Chems; Boliden Intertrade; Hoechst Celanese; Outokumpu Oy; Rhône-Poulenc.*

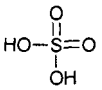
3623 Sulfur fluoride

2551-62-4 9063 G

F_6S
Sulfur hexafluoride.
EINECS 219-854-2; Elegas; Esaflon; Hexafluorure de soufre; HSDB 825; Sulfur fluoride, (OC-6-11)-; Sulfur fluoride (SF_6), (OC-6-11)-; Sulfur hexafluoride; Sulphur hexafluoride; UN1080. Used in electrical circuit breakers and in electronic ultra-high frequency piping. Gas; mp = -51°; soluble in oil. *Montedison UK.*

3624 Sulfuric acid

7664-93-9 9064 G P



H_2O_4S

Hydrogen sulfate.

Acide sulfurique; Acido solforico; Acido sulfurico; Acidum sulfuricum; Battery acid; BOV; Caswell No. 815; Dihydrogen sulfate; Dipping acid; EINECS 231-639-5; Electrolyte acid; EPA Pesticide Chemical Code 078001; HSDB 1811; Hydrogen sulfate; Mattling acid; Oil of vitreol; Oil of vitriol; Schwefelsaeure; Schwefelsäure; Schwefelsaeureloesungen; Schwefelsäurelösungen; Spirit of alum; Spirit of vitriol; Sulfuric acid; Sulfuric acid, spent; Sulphuric acid; UN1830; UN1832; UN2796; Vitriol Brown Oil; Zwavelzuuroplossingen. Fertilizers, chem-icals, dyes and pigments, laboratory reagents, electro-plating baths. Registered by EPA as an antimicrobial, fungicide and herbicide. FDA GRAS, Japan restricted, Europe listed, UK approved, FDA approved for injectables, parenterals, inhalants, ophthalmics, orals. USP/NF, BP. compliant. Acidifying agent used in parenterals, inhalants, intramuscular injectables, ophthalmic and orals. Astringent in diarrhea, in mixtures to stimulate appetites. Oily liquid; mp = 10°; bp = 290°, dec 340°; d = 1.84; miscible with H_2O, EtOH; LD_{50} (rat orl) = 2140 mg/kg. *Akzo Chemie; Am. Cyanamid; Amax; Boliden Intertrade; DuPont; Metallgesellschaft GmbH; Nissan Chem. Ind.; OxyChem; Pasminco Europe; Rasa; Rhône-Poulenc.*

3625 Sulfurized lard oil

61790-49-6 H

Oils, lard, sulfurized.

EINECS 263-141-9; Lard oil, sulfurized; Oils, lard, sulfurized.

3626 Sulfuryl Fluoride

2699-79-8 9071 G P

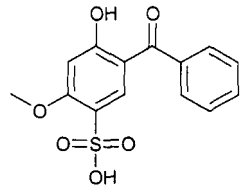
F_2O_2S

Sulfur difluoride dioxide.

Caswell No. 816A; EINECS 220-281-5; EPA Pesticide Chemical Code 078003; Fluoro de sulfurilo; Fluorure de sulfuryle; HSDB 828; Sulfonyl fluoride; Sulfur difluoride dioxide; Sulfuric oxyfluoride; Sulfuryl difluoride; Sulfuryl fluoride; Sulphuryl difluoride; Sulphuryl fluoride; UN2191; Vikane; Vikane fumigant. A restricted use pesticide, a gas that is used in structures, vehicles, and wood products for control of drywood termites, wood-infesting beetles, and certain other insects and rodents. There are no registered uses for sulfuryl fluoride on food or feed crops. Registered by EPA as an antimicrobial and disinfectant. Odorless, colorless gas; mp = -136°; bp =-55°; sg = 1.349; soluble in H_2O (0.075 g/100 ml), EtOH (24 - 27 ml/100 ml), C_7H_8 (0.21 - 0.22 l/100 ml), CCl_4 (0.136 - 0.138 l/100 ml); stable below 400°; not hydrolyzed by H_2O; LD_{50} (rat orl) = 100 mg/kg; LC_{50} (mrat ihl 4 hr.) = 5.11 mg/l air, (frat ihl 4 hr.) = 4.92 mg/l air, (mrat ihl 1 hr.) = 15.0 mg/l air, (frat ihl 1 hr.) = 12.2 mg/l air. *Dow AgroSciences; Dow UK; Integrated Environments International Inc.*

3627 Sulisobenzone

4065-45-6 9074 G



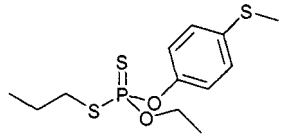
$C_{14}H_{12}O_6S$

2-Benzoyl-5-methoxy-1-phenol-4-sulfonic acid.

Benzenesulfonic acid, 5-benzoyl-4-hydroxy-2-methoxy-; Benzophenone 4; Benzophenone-4; 5-Benzoyl-4-hydr-oxy-2-methoxybenzolsulfonsäure; 5-Benzoyl-4-hydroxy-2-methoxybenzolsulfonsaeure; 5-Benzoyl-4-hydroxy-2-methoxybenzene sulfonic acid; BRN 2889165; Cyasorb UV 284; EINECS 223-772-2; 2-Hydroxy-4-methoxy-benzophenone-5-sulfonic acid; MS 40; NSC 60584; 1-Phenol-4-sulfonic acid, 2-benzoyl-5-methoxy-; Rhodialux S; Seesorb 101S; Spectra-Sorb UV 284; Sungard; Sulisobenzona; Sulisobenzone; Sulisobenzonum; Sungard; Syntase 230; Uval; Uvinuc ms 40; Uvinul; Uvinul MS 40; Uvinul MS-40 substanz; Uvistat 1121. UV absorber, used as a UV screen. Tan-colored powder; mp = 145°; soluble in H_2O (25.0 g/100 ml), less soluble in organic solvents. *Dorsey Pharmaceuticals; Rhône-Poulenc.*

3628 Sulprofos

35400-43-2 9081 H P



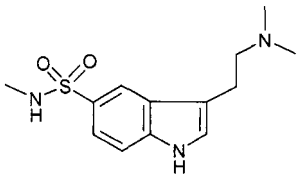
$C_{12}H_{19}O_2PS_3$

O-Ethyl O-(4-(methylthio)phenyl) S-propyl phosphoro-dithioate.

AI3-29149; BAY-NTN-9306; Bayer NTN 9306; Bolstar; Bolstar 6; Bolstar(R); BRN 1990231; Caswell No. 453AA; EPA Pesticide Chemical Code 111501; Ethyl O-(4-(methylthio)phenyl) S-propyl phosphorodithioate; O-Ethyl O-[4-(methylthio)phenyl]phosphorodithioic acid S-propyl ester; O-Ethyl O-(4-methylthiophenyl) S-propyl dithiophosphate; O-Ethyl O-(4-(methylmercapto)phenyl)-S-n-propylphosphorothionothiolate; Heliothion; Merca-profos; Mercaprophos; Merpafos; Morpafos; NTN 9306; Phosphorodithioic acid O-ethyl O-[4-(methylthio)phenyl] S-propyl ester; Sulprofos; Sulprophos. Registered by EPA as an insecticide (cancelled). Tan liquid; $bp_{0.1}$ = 155 - 158°; d_{20}^{20} = 1.20; almost insoluble in H_2O (0.000031 g/100 ml), soluble in cyclohexanone (12 g/100 ml), i-PrOH (40 - 60 g/100 ml), CH_2Cl_2 (120 g/100 ml), C_6H_{14} (120 g/100 ml), C_7H_8 (> 120 g/100 ml); LD_{50} (rat orl) = 150 mg/kg, 227 mg/kg, (mus orl) = 1700 mg/kg, (mrbt der) = 820 mg/kg, (frbt der) = 994 mg/kg, (rat der) > 1000 mg/kg, (bobwhite quail orl) = 47 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.66 mg/l, (bobwhite quail 5 day dietary) = 99 mg/kg diet, (bluegill sunfish 96 hr.) = 11 mg/l, (rainbow trout 96 hr.) = 23 mg/l, (carp 96 hr.) = 5.2 mg/l. *Bayer Corp.*

3629 Sumatriptan

103628-46-2 9088 D

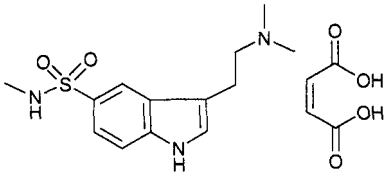


$C_{14}H_{21}N_3O_2S$

3-[2-(Dimethylamino)ethyl]-N-methylindole-5-methane-sulfonamide. BRN 6930870; GR 43175; GR 43175X; Imitrex; Sumatran; Sumatriptan; Sumatriptanum; Sumax. Sero-tonin $5HT_1$ receptor agonist. Antimigraine. Crystals; mp = 169-171°. *Glaxo Wellcome Inc.*

3630 Sumatriptan succinate

103628-48-4 9088 D



$C_{18}H_{27}N_3O_6S$

3-[2-(Dimethylamino)ethyl]-N-methylindole-5-methanesulfonamide succinate (1:1).

Antibet; Arcoiran; Diletan; GR-43175C; Imigran; Imijekt; Imitrex; Micralgin; Migmax; Migratan; Migratriptan; Novelian; Permicran; Sumadol; Sumatrin; Sumatriptan succinate; Sumigrene. Serotonin $5HT_1$ receptor agonist. Antimigraine. Crystals; mp = 165-166°. *Glaxo Wellcome Inc.*

3631 Sunflower oil

8001-21-6 9090 E H

Sunflower seed oil [Oil, edible].

EINECS 232-273-9; Extract of sunflower; Extract of sunflower seeds; GTO 80; GTO 90; GTO 90E; Helianthus annuus extract; NS-20; Oils, sunflower seed; Oleum helianthi; Solvent sunflower oil; Sunflower extract; Sunflower oil; Sunflower seed extract; Sunflower seed oil; Sunyl® 80; Sunyl® 80 RBD; Sunyl® 80 RBWD; Sunyl® 80 RBWD ES; Sunyl® 80 RDB ES; Sunyl® 90; Sunyl® 90 RBD; Sunyl® 90 RBWD ES 1016; Sunyl® 90 RBWD; Sunyl® 90E RBWD; Sunyl® HS 500. Soluble in EtOH, Et_2O, $CHCl_3$, CS_2; d = 0.924 - 0.926. Non-toxic. *Abitec Corp.; Arista Ind.; Charkit; Holme & Clark; Lipo; Penta Mfg.; Tri-K Ind.; Welch.*

3632 Sylvan

534-22-5 G

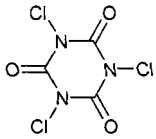
C_5H_6O

2-Methylfuran.

5-17-01-00322 (Beilstein Handbook Reference); 5-Methylfuran; AI3-24245; BRN 0103733; CCRIS 2920; EINECS 208-594-5; Furan, 2-methyl-; Methylfuran; α-Methylfuran; 2-Methylfuran; NSC 3707; Silvan; Sylvan; UN2301. A constituent of wood tar. Used in perfumery. Crystals; mp = -87.5°; bp = 65°; d^{20} = 0.9132; λ_m = 212 nm (MeOH); slightly soluble in H_2O, CCl_4, soluble in EtOH, Et_2O.

3633 Symclosene

87-90-1 9103 G H P



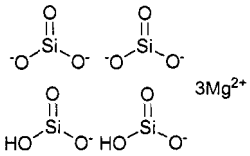
$C_3Cl_3N_3O_3$

1,3,5-Trichloro-s-triazine-2,4,6(1H,3H,5H)-trione.

4-26-00-00642 (Beilstein Handbook Reference); ACL 85; ACL 90 Plus; AI3-17193; BRN 0202022; Caswell No. 876B; CBD 90; CCRIS 2311; CDB 90; Chloreal; EPA Pesticide Chemical Code 081405; Fi Clor 91; Fichlor 91; HSDB 885; Isocyanuric chloride; Kyselina trichloiso-kyanurova; Queschlor; Neochlor 90; NSC-405124; Sin-closeno; Symclosen; Symclosene; Symclosenum; 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-; s-Tri-azine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-; Trichloro-isocyanic acid; 1,3,5-Trichloroisocyanuric acid; Tri-chlorocyanuric acid; Trichloroisocyanuric acid, dry [UN2468] [Oxidizer]; N,N',N-Trichloroisocyanuric acid; 1,3,5-Trichloro-s-triazinetrione; 1,3,5-Trichloro-1,3,5-tri-azine-2,4,6(1H,3H,5H)-trione; 1,3,5-Trichloro-2,4,6-tri-oxohexahydro-s-triazine; Trichlorinated isocyanuric acid; Trichloro-s-triazinetrione; Trichloro-s-triazine-2,4,6(1H, 3H,5H)-trione; Trichloroisocyanurate; UN2468. A chlorinated isocyanurate containing 90% available chlorine; a high performance chlorine microbiocide used to control algae, bacteria, and fungi growth in recirculating water and cooling towers. A topical anti-infective agent. A chlorinating agent, disinfectant, and industrial deodorant, component of household cleaners. Bleaching compound, used in sanitizers, disinfectants, detergents, dishwashing compounds, swimming pool disinfectants, bactericides, algicides, deodorants; active ingredient in dry household cleaners. Registered by EPA as an antimicrobial and disinfectant. CAUTION: Irritating to eyes, skin, mucous membranes. Needles; mp = 246.7° (dec); pH 4.4; slightly soluble in H_2O (2 g/100 ml); insoluble in non-polar organic solvents, soluble in chlorinated and highly polar solvents. *3V; Alden Leeds Inc.; Allchem Ind.; Arch Chemicals Inc; Atofina; Bio-Lab, Inc.; Colgate-Palmolive; Hasa Inc; ICI Americas Inc.; Monsanto Co.; Nissan Chem. Ind.; Occidental Chem. Corp.; Qualco Inc; Quest Intl.; Shikoku Chemicals Corp.; Stellar Technology Co.; Suncoast Chemicals Co.*

3634 Talc

14807-96-6 9127 G



$H_2Mg_3O_{12}Si_4$

Hydrated magnesium silicate.

Agalite; Alpine talc USP, bc 127; Asbestine; B 9; B 13; B 13 (mineral); Beaver White 200; CCRIS 3656; CI 77718; Cosmetic talc; CP 10-40; CP 38-33; Crystalite CRS 6002; Desertalc 57; EINECS 238-877-9; Emtal 500; Emtal 549; Emtal 596; Emtal 599; EX-IT; Fibrene C 400; Finntalc C10; Finntalc M05; Finntalc M15; Finntalc P40; Finntalc PF; French chalk; FW-XO; HSDB 830; Hydrous magnesium silicate; IT Extra; LMR 100; Lo Micron talc USP, bc 2755; Magnesium silicate, hydrous; Magnesium silicate talc; Micro Ace K1; Micro Ace L1; Micron White 5000A; Micron White 5000P; Micron White 5000S; Microtalco IT Extra; Mistron 139; Mistron 2SC; Mistron frost P; Mistron RCS; Mistron Star; Mistron super frost; Mistron vapor; MP 12-50; MP 25-38; MP 40-27; MP 45-26; MST; Mussolinite; NCI-C06008; Nonasbestiform talc; Nonfibrous talc;

Nytal 200; Nytal 400; P 3; P 3 (Mineral); PK-C; PK-N; Polytal 4641; Polytal 4725; Silicates (<1% quartz):talc (not containing asbestos); Silicates: talc (containing no asbestos); Snowgoose; Soapstone; Steatite; Steatite talc; Steawhite; Supreme; Supreme dense; Talc; Talc ($Mg_3H_2(SiO_3)_4$); Talc (powder); Talc (powder), containing no asbestos fibers; Talc, containing no asbestos fibers; Talc, non-asbestos form; Talc, not containing asbestiform fibers; Talcan PK-P; Talcron CP 44-31; Talcum; TY 80; Vantalc®; Vertal 92; Vertal 200; soapstone; steatite; talcum. Native, hydrous magnesium silicate somethimes containing small portion of aluminum silicate; ceramics, cosmetics, pharmaceuticals; as filler and pigment in rubber, paints, soaps. Dusting agent; lubricant; electrical insulation, reinforcement in black PP compounds; dusting/parting agent for rubbers; filler in autobody compounds, caulks, putties, and sealants; as filler and pigment in rubber, paints, soaps. Dusting agent; lubricant; electrical insulation. White fibrous solid; mp = 800°; insoluble in H_2O, organic solvents. *Cyprus Industrial Min.; Luzenac Am.; Pfizer Inc.; Salomon L. A.; Vanderbilt R.T. Co. Inc.; Whittaker Clark & Daniels.*

3635 Tall oil
8002-26-4 E H

Tallol.
Acintol C; Acintol D 29 LR; EINECS 232-304-6; HSDB 5049; Lignin liquor; Liquid rosin; Rosin, liquid; Tall oil; Tall oil (crude and distilled); Tall oil rosin; Tall oil rosin and fatty acids; Tall oil [Oil, misc.]; Talleol; Tallol; Unitol CX; Unitol DT 40; Yatall MA. By-product of sulfate pulp manufacture; contains 2.2% material soluble in petroleum ether, 12.4% unsaponifiable matter, 30.4% resin acid, and 54.9% fatty acids. The resin acid consists of abietic acid, and the fatty acids contain oleic, linoleic, and linolenic acids; used as paint vehicles, in oil drilling muds, lubricants and greases, asphalt derivatives; in rubber reclaiming and as chemical intermediates. FDA GRAS as indirect food additive; FDA approved for topicals. Used as a fungicide in topicals. Mild allergen. *Spectrum Chem. Manufacturing.*

3636 Tall oil fatty acids
61790-12-3 H

Fatty acids, tall-oil.
Acids, tall oil; Disproportionated tall oil fatty acid; EINECS 263-107-3; Fatty acids, tall oil; Tall oil acid; Tall oil acids; Tall oil fatty acids.

3637 Tall oil rosin
8052-10-6 H

Tall oil rosin.
EINECS 232-484-6; Tall oil rosin.

3638 Tall oil, sodium salt
65997-01-5 H

Tall oil, sodium salt.
EINECS 266-037-1; Tall oil, sodium salt.

3639 Tall-oil pitch
8016-81-7 H

Tall-oil pitch.
EINECS 232-414-4; Tall-oil pitch.

3640 Tallow acid
61790-37-2 H

Fatty acids, tallow.
Acids, tallow; EINECS 263-129-3; Fatty acids, tallow; Tallow acid; Tallow fatty acid.

3641 Tallow nitrile
61790-28-1 H

Nitriles, tallow.
EINECS 263-120-4; Nitriles, tallow; Tallow nitrile.

3642 Tallow oil
61789-97-7 H

Tallow.
Beef tallow; EINECS 263-099-1; HSDB 5167; Mutton tallow; Tallow; Tallow, beef; Tallow, mutton; Tallow oil.

3643 N-Tallow-1,3-propylenediamine
61791-55-7 H

Amines, N-tallow alkyltrimethylenedi-.
Amines, N-tallow alkyltrimethylenedi-; EINECS 263-189-0; N-(Tallow alkyl)-1,3-propanediamine; N-(Tallowalkyl)-trimethylenediamine; N-Tallow-1,3-propylenediamine.

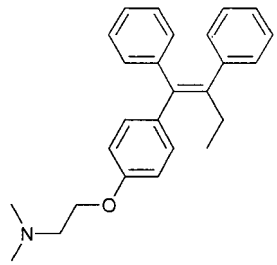
3644 Tallow trimonium chloride
8030-78-2 H

Tallow trimethylammonium chloride.
Adogen 471; Ammonium, trimethyltallow alkyl-, chlorides; Arquad T; Arquad T-50; EINECS 232-447-4; Noramium MS 50; Quaternary ammonium compounds, trimethyltallow alkyl-, chloride; Quaternary ammonium compounds, tallow alkyl trimethyl, chlorides; Tallow trimethyl ammonium chloride; N-Tallow-trimethylammonium surfactant; Tallowtrimonium chloride; Trimethyl(tallowalkyl)ammonium chloride. Emulsifier.

3645 Tallowamine
61790-33-8 H

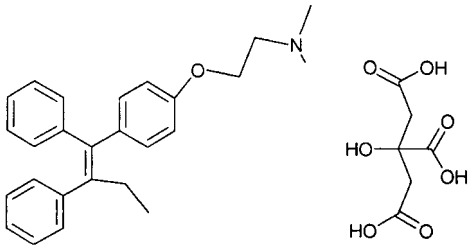
Amines, tallow alkyl.
Amines, tallow alkyl; EINECS 263-125-1; (Tallow alkyl)amine; Tallow amine; Tallowamine.

3646 Tamoxifen
10540-29-1 9137 D



$C_{26}H_{29}NO$
(Z)-2-[p-(1,2-Diphenyl-1-butenyl)phenoxy]-N,N-dimethylethylamine.
Citofen; Crisafeno; Diemon; Istubol; Oncomox; Retaxim; Tamizam; Tamoxen; Tamoxifen; Valodex. Antiestrogen. Antineoplastic. Nonsteroidal estrogen antagonist used in prevention and palliative treatment of breast cancer. Crystals; mp = 96-98°; [cis-form]: mp = 72-74°. *Zeneca Pharm.*

3647 Tamoxifen citrate
54965-24-1 9137 D



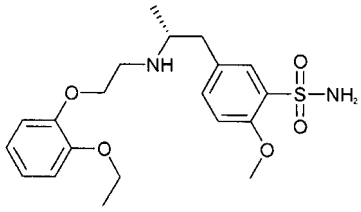
$C_{32}H_{37}NO_8$

(Z)-2-[p-(1,2-Diphenyl-1-butenyl)phenoxy]-N,N-dimethylethylamine citrate.

Apo-Tamox; Emblon; Farmifeno; Genox; Ginarsan; ICI-46474 citrate; ICI-47699; Jenoxifen; Kessar; Ledertam; Nolgen; Noltam; Nolvadex; Nourytam; Nourytan; Nox-item; Oncotam; Tafoxen; Tamax; Tamofen; Tamoxifen citrate; Taxus; TMX; Tomaxasta; Zemide; Zitazonium.; ICI-47699 [as cis-form citrate]. A nonsteroidal estrogen antagonist used in prevention and palliative treatment of breast cancer. Antiestrogen. Antineoplastic. Crystals; mp = 140-142°; slightly soluble in H_2O; more soluble in EtOH, MeOH, Me_2CO; LD_{50} (mus ip) = 200 mg/kg, (mus iv) = 62.5 mg/kg, (mus orl) = 3000-6000 mg/kg, (rat ip) ◘ 600 mg/kg), (rat iv) = 62.5 mg/kg, (rat orl) ◘ 1200-2500 mg/kg; [cis-form citrate]: mp ◘ 126-128°. *ICI; Zeneca Pharm.*

3648 Tamsulosin

106133-20-4 9138 D



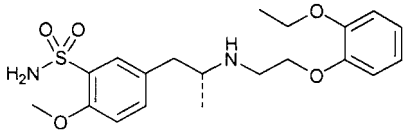
$C_{20}H_{28}N_2O_5S$

(-)-(R)-5-[2-[[2-(o-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxybenzenesulfonamide.

Amsulosin; Tamsulosin; Tamsulosina; Tamsulosine; Tamsulosinum. Specific α1-adrenoceptor antagonist. Used in treatment of benign prostatic hypertrophy. *Boehringer Ingelheim Pharm. Inc.; Yamanouchi U.S.A. Inc.*

3649 (R)-Tamsulosin hydrochloride

106463-17-6 9138 D



HCl

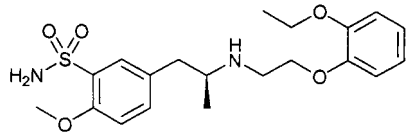
$C_{20}H_{29}ClN_2O_5S$

(-)-(R)-5-[2-[[2-(o-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxybenzenesulfonamide hydrochloride.

Alna; Amsulosin hydrochloride; R-(-)-5-(2-((2-(2-Ethoxy-phenoxy)ethyl)amino)propyl)-2-methoxybenzenesulfon-amide Expros; Flomax; Josir; LY253351; Omic; Omix; Omnic; Pradif; hydrochloride; Secotex; Tamsulosin (R)-form hydrochloride; Tamsulosin hydrochloride; Urolosin; YM 617; YM617; R-(-)-YM-12617. Specific α1-adrenoceptor antagonist. Used in treatment of benign prostatic hypertrophy. Crystals; mp = 228-230°; $[\alpha]_D^{24}$ = -4.0° (c = 0.35 MeOH). *Boehringer Ingelheim Pharm. Inc.; Yamanouchi U.S.A. Inc.*

3650 (S)-Tamsulosin hydrochloride

106463-19-8 9138 D



HCl

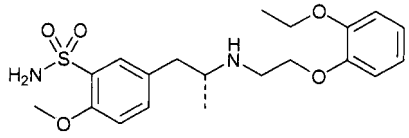
$C_{20}H_{29}ClN_2O_5S$

(+)-(S)-5-[2-[[2-(o-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxybenzenesulfonamide hydrochloride.

YM-12617-2. Used in treatment of benign prostatic hypertrophy. Specific α1-adrenoceptor antagonist. Crystals; mp = 228-230°; $[\alpha]_D^{24}$ ◘ +4.2° (c = 0.36 MeOH). *Boehringer Ingelheim Pharm. Inc.; Yamanouchi U.S.A. Inc.*

3651 dl-Tamsulosin hydrochloride

106463-17-6 9138 D



HCl

$C_{20}H_{29}ClN_2O_5S$

(±)-(R)-5-[2-[[2-(o-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxybenzenesulfonamide hydrochloride.

Alna; Amsulosin; Amsulosin hydrochloride; Expros; Flomax; Josir; LY-253351; Omic; Omix; Omnic; Pradif; R-(-)-YM-12617; Secotex; Urolosin; YM-617. Specific α1-adrenoceptor antagonist. Used in treatment of benign prostatic hypertrophy. Crystals; mp = 254-256°. *Boehringer Ingelheim Pharm. Inc.; Yamanouchi U.S.A. Inc.*

3652 Tannic acid

1401-55-4 D G H

$C_{76}H_{52}O_{46}$

Hydrolyzable gallotannin.

Acacia mollissima tannin; Acid, tannic; Acide tannique; d'Acide tannique; Castanea sativa Mill tannin; Caswell No. 819; CCRIS 571; Chestnut tannin; EINECS 215-753-2; EPA Pesticide Chemical Code 078502; FEMA No. 3042; Gallotannic acid; Gallotannin; Glycerite; HSDB 831; Hydrolyzable gallotannin; Liquidambar styraciflua; Mimosa tannin; Quebracho extract; Quebracho tannin; Quebracho wood extract; Schinopsis lorentzii tannin; Sweet gum; Tannic acid; Tannic acid (Quercus spp.); Tannic acid and tannins; Tannin; Tannin from chestnut; Tannin from mimosa; Tannin from quebracho; Tannin from sweet gum; Tannins. A mixture of organic acids occurring in the bark and fruit of many plants, e.g., oak species, sumac; mordant in dyeing; manufacture of ink, imitation tortoise shell; sizing paper; printing fabrics; tanning; clarifying beer; in photography; as coagulant in rubber; analytical chemistry reagent; astringent. *Burlington Biomedical; Crompton & Knowles; Fuji Chem. Ind.; Mallinckrodt Inc.; Thiem; Ulrich GmbH.*

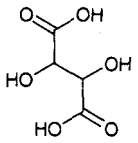
3653 Tantalum oxide

1314-61-0 9146 G

O_5Ta_2
Tantalum(V) oxide.
Ditantalum pentaoxide; EINECS 215-238-2; Tantalic acid anhydride; Tantalum oxide; Tantalum oxide (Ta_2O_5); Tantalum oxide dusts; Tantalum penta oxide; Tantalum pentoxide. Used in production of tantalum, tantalum carbide; optical glass; piezoelectric and laser applications; dielectric layers in electronic circuits. White powder; insoluble in H_2O, soluble in HF; LD_{50} (rat orl) = 8000 mg/kg. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Sigma-Aldrich Fine Chem.*

3654 Tartaric acid

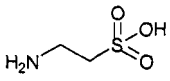
133-37-9 9157 G



$C_4H_6O_6$
DL-2,3-dihydroxybutanedioic acid.
Butanedioic acid, 2,3-dihydroxy-, (2R,3R)-rel-; Butanedioic acid, 2,3-dihydroxy-, (R*,R*)-; Butanedioic acid, 2,3-dihydroxy-, (R*,R*)-(±)-; EINECS 205-105-7; FEMA No. 3044; NSC 148314; Paratartaric aicd; Racemic acid; Racemic tartaric acid; Resolvable tartaric acid; (±)-Tartaric acid; dl-Tartaric acid; DL-Tartaric acid; Tartaric acid D,L; (2RS,3RS)-Tartaric acid; DL-Tartrate; Traubensaure; Uvic acid. Used the manufacture of cream of tartar, tartar emetic, acetaldehyde; sequestrant, tanning, effervescent beverages, baking powder, fruit esters, ceramics, galvanoplastics, photography, textiles, silvering mirrors, coloring metals, acidulant in foods. Prisms; mp = 206°; d^{25} = 1.788; insoluble in C_6H_6, soluble in H_2O, EtOH. *Bromhead & Denison Ltd.; Greeff R.W. & Co.; Mallinckrodt Inc.; Penta Mfg.; Rit-Chem.*

3655 Taurine

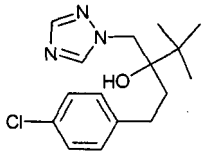
107-35-7 9163 G



$C_2H_7NO_3S$
2-Aminoethanesulfonic acid.
AI3-18307; Aminoethanesulfonic acid; 2-Aminoethane-sulfonic acid; β-Aminoethylsulfonic acid; 2-Aminoethyl-sulfonic acid; CCRIS 4721; EINECS 203-483-8; Ethane-sulfonic acid, 2-amino-; FEMA No. 3813; NCI-C60606; NSC 32428; O-Due; 2-Sulfoethylamine; Tauphon; Taurina; Taurine; L-Taurine; Taurinum. Used in biochemical research, pharmaceuticals, wetting agents. Crystals; mp = 328° (dec); very soluble in H_2O (6.5 g/100 ml), insoluble in organic solvents. *Chemisphere; Lancaster Synthesis Co.; Mitsui Toatsu; Penta Mfg.; Tanabe U.S.A. Inc.*

3656 Tebuconazole

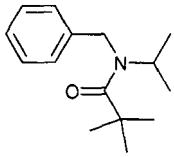
107534-96-3 9176 P



$C_{16}H_{22}ClN_3O$
(RS)-1-(4-Chlorophenyl)-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol.
BAY-HWG 1608; Elite; Ethyltrianol; Etiltrianol; Fenetr-azole; Folicur; Folicur 1.2 EC; GWG 1609; HWG 1608; Lynx; Lynx 1.2; Preventol A 8; Raxil; Tebuconazole; Tebuconazole (±); Terbuconazole; Terbutrazole. Fung-icide with systemic properties/broad spectrum activity against rusts, leaf spot diseases, e.g., *Septoria spp., powdery mildew and several Fusarium species on cereals; whitemold, Phoma* and various leaf spot diseases on oilseed. Cereal seed dressing with systemic properties for control of seed-borne diseases such as stinking smut, loose smuts and covered smut; highly effective at low dosage rates. Registered by EPA as a fungicide. Colorless crystals; mp = 102.4°; soluble in H_2O (0.0032 g/100 ml), CH_2Cl_2 (> 20 g/100 ml), C_6H_{14} (0.02 - 0.05 g/100 ml), i-PrOH (5 - 10 g/100 ml), C_7H_8 (5 - 10 g/100 ml); LD_{50} (rat orl) > 4000 mg/kg, (mus orl) > 2000 mg/kg, (rat der) > 5000 mg/kg, (m Japanese quail orl) = 4438 mg/kg, (f Japanese quail orl) = 2912 mg/kg, (ckn orl) = 4488 mg/kg; LC_{50} (rat ihl 4 hr.) > g/l air, (rainbow trout 96 hr.) = 6.4 mg/kg, (golden orfe 96 hr.) = 8.7 mg/l, (*Daphnia* 48 hr.) = 10 - 12 mg/l; non-toxic to bees. *Bayer AG; Bayer Corp.; Gustafson LLC.*

3657 Tebutam

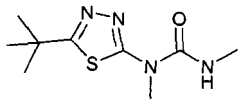
35256-85-0 G P



$C_{15}H_{23}NO$
2,2-Dimethyl-N-(1-methylethyl)-N-(phenylmethyl)propan-amide.
N-Benzyl-N-isopropyl-2,2-dimethylpropionamide; N-Benzyl-N-isopropyltrimethylacetamide; N-Benzyl-N-iso-propylpivalamide; BRN 2838127; Butam; Caswell No. 083EE; Comodor; Comodor 600; 2,2-Dimethyl-N-(1-methylethyl)-N-(phenylmethyl)propanamide; EINECS 252-470-3; EPA Pesticide Chemical Code 219500; GCP-5544; Propanamide, 2,2-dimethyl-N-(1-methylethyl)-N-(phenylmethyl)-; Propionamide, N-benzyl-2,2-dimethyl-N-isopropyl-; S-15544; Tebutam; Tebutame. Selective herbicide, acting by inhibition of weed germination. Used for pre-emergence control of annual grasses and broad-leaved weeds. Colorless oil; $bp_{0.1}$ = 95 - 97°; sg^{25} = 0.975; poorly soluble in H_2O (0.000079 g/100 ml at 25° and pH 7), soluble in Me_2CO, C_6H_{14}, MeOH, C_7H_8, $CHCl_3$ (all > 50 g/100 ml); LD_{50} (rat orl) = 6210 mg/kg, (gpg orl) = 2025 mg/kg, (rbt der) > 2000 mg/kg, (bee orl) = 0.1 mg/bee; LC_{50} (rat ihl) > 2.18 mg/l air, (mallard duck, bobwhite quail 8 day dietary) > 5000 mg/kg, (rainbow trout 96 hr.) = 23 mg/l, (bluegill sunfish 96 hr.) = 19 mg/l, (moonfish 96 hr.) = 18.7 mg/l; toxic to bees. *Farm Protection Ltd.; ICI Agrochemicals; ICI Plant Protection; La Quinoleine S.A.; LaRoche Ind.; Maag; Syngenta Crop Protection.*

3658 Tebuthiuron

34014-18-1 9178 H P

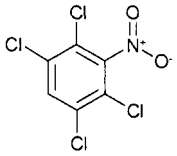


$C_9H_{16}N_4OS$
N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea.
BRN 0527479; Brulan; Brush bullet; 1-(5-tert-Butyl-1,3,4-thiadiazol-2-yl)-3-dimethylharnstoff; 1-(5-tert-Butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea; Caswell No. 366AA; EL-103; Pesticide Chemical Code

105501; Graslan; Graslan 40P; Graslan 250 brush bullets; HSDB 6863; N-(5-(1,1-Dimethyläthyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylharnstoff; N-(5-(1,1-Dimethylethyl)-1,3,4-thiadia-zol-2-yl)-N,N'-dimethylurea; Perflan; Prefmid;; SHA 105501; Spike; Spike 20P; Spike 40P; Spike 40W; Spike 5G; Spike 80W; Spike DF; Tebulan; Tebuthiuron; Tiurolan; Urea, 2-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethyl-; Urea, N-(5-(1,1-di-methylethyl)-1,3,4-thiadi-azol-2-yl)-N,N'-dimethyl-. Wettable powder or granules used for total weed control in noncrop areas. Registered by EPA as a herbicide. Solid; mp = 160 - 163°; soluble in H_2O (0.25 g/100 ml), C_6H_6 (0.378 g/100 ml), C_6H_{14} (0.61 g/100 ml), 2-methoxyethanol (6 g/100 ml), CH_3CN (6 g/100 ml), Me_2CO (7 g/100 ml), MeOH (17 g/100 ml), $CHCl_3$ (25 g/100 ml); LD_{50} (rat orl) = 644 mg/kg, (mus orl) = 579 mg/kg, (rbt orl) = 286 mg/kg, (dog orl) > 500 mg/kg, (cat orl) > 200 mg/kg, (ckn, mallad duck, bobwhite quail orl) > 500 mg/kg; LC_{50} (ckn orl 1 month) > 1000 mg/kg, (rainbow trout 96 hr.) = 144 mg/l, (goldfish 96 hr.) > 160 mg/l, (bluegill sunfish 96 hr.) = 112 mg/l. *Dow AgroSciences; Rhône-Poulenc Environmental Prods. Ltd.*

3659 Tecnazene

117-18-0 GP



$C_6HCl_4NO_2$

1,2,4,5-tetrachloro-3-nitrobenzene.

4-05-00-00728 (Beilstein Handbook Reference); AI3-22329; Altritan; Arena; Benzene, 1,2,4,5-tetrachloro-3-nitro-; Benzene, 3-nitro-1,2,4,5-tetrachloro-; BRN 1973805; Bygran; Caswell No. 831; CCRIS 5939; Chipman 3,142; Easytec; EINECS 204-178-2; EPA Pesticide Chemical Code 055201; Folosan; Folosan DB 905; Fumite; Fumite Techalin; Fusarex; Fusarex G; Fusarex T; Hickstor; HSDB 1772; Hystor; Hystore; Hytec; Myfusan; Nebulin; New Hystore; NSC 10235; Storite SS; TCNB; 2,3,5,6-TCNB; Tecnazen; Tecnazene; Teknazen; Terraclor; 2,3,5,6-Tetrachlor-1-nitrobenzol; 2,3,5,6-Tetra-chlor-3-nitrobenzol; Tetrachloronitrobenzene; 1,2,4,5-Tetrachloro-3-nitrobenzene; 2,3,5,6-Tetrachloro-1-nitro-benzene; 2,3,5,6-Tetrachloronitrobenzene; Tubodust; Tubostore; Turbostore. Fungicide with protective and curative action. Tecgran is provided as granules or dispersible powder containing tecnazene; protectant fungicide and potato sprout suppressant. Used to control dry rot in both ware and seed potatoes, and sprouting in ware potatoes. Registered by EPA as a fungicide (cancelled). Solid; mp = 99°; bp = 304° (dec); soluble in H_2O (0.000044 g/100 ml), EtOH (4 g/100 ml), readily soluble in C_6H_6, CS_2, $CHCl_3$, ketones; LD_{50} (mrat orl) = 2047 mg/kg, (frat orl) = 1256 mg/kg; non-toxic to bees. *Atlas Interlates Ltd; Bayer Corp., Agriculture; ICI Agrochemicals; ICI Plant Protection; Sigma-Aldrich Co.; Tripart Farm Chemicals Ltd.*

3660 Tellurium

13494-80-9 9201 G

Te

Te

Tellurium.

Aurum paradoxum; EINECS 236-813-4; HSDB 2532; Metallum problematum; NCI-C60117; Telloy®; Tellur; Tellurium; Tellurium element; Tellurium, elemental; Tellurium, metallic. Used in alloys, as a secondary rubber vulcanizing agent, in manufacture of iron and steel casting; as a coloring agent for glass and ceramics; in thermoelectric devices. Grey-white powder; mp = 450°; bp = 990°; d = 6.11-6.27. *Atomergic Chemetals; Cabot Carbon Ltd.; Cerac; Vanderbilt R.T. Co. Inc.*

3661 Tellurium oxide

7446-07-3 9203 G

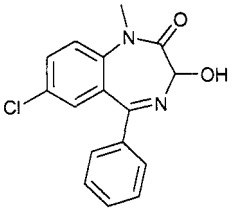
O_2Te

Tellurium dioxide.

EINECS 231-193-1; Tellurium dioxide; Tellurium oxide; Tellurium oxide (TeO_2). Solid; mp= 733°; d = 5.75 or 6.04; slightly soluble in H_2O. *Asarco; Atomergic Chemetals; Cerac; Noah Chem.*

3662 Temazepam

846-50-4 9213 D



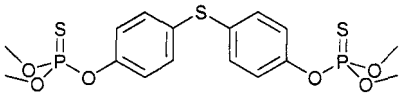
$C_{16}H_{13}ClN_2O_2$

7-Chloro-1,3-dihydro-3-hydroxy-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one.

Dasuen; ER-115; Euhypnos; Euipnos; Gelthix; K-3917; Lenal; Levanxene; Levanxol; Neodorm SP; Nocturne; Nomapam; Norkotral Tema; Normison; Normitab; Nortem; Oxydiazepam; Perdorm; Planum; Pronervon T; Remestan; Restoril; Ro-5-5354; Temador; Temazep von ct; Temazepam; Temtabs; Tenox; Uvamin Retard; Wy-3917. Used medically as a sedative/hypnotic and anxiolytic. Crystals; mp = 119-121°. *Hoffmann-LaRoche Inc.; Sandoz Pharm. Corp.*

3663 Temephos

3383-96-8 9214 DGP



$C_{16}H_{20}O_6P_2S_3$

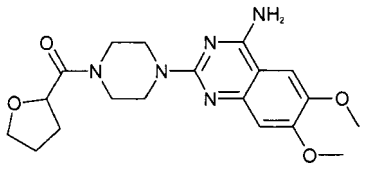
Tetramethyl O,O'-thiodi-p-phenylene phosphorothioate.

Abaphos; Abate; Abate 1-SG; Abate 2-CG; Abate 4-E; Abate 5CG; Abathion; AC 52160; AI3-27165; American Cyanamid AC 52,160; American Cyanamid CL-52160; American Cyanamid E.I. 52,160; Biothion; Bis-p-(O,O-dimethyl O-phenylphosphorothioate)sulfide; Bithion; BRN 1896901; Caswell No. 845; CL 52160; Difenphos; Difos; O,O-Dimethyl phosphorothioate O,O-diester with 4,4'-thiodiphenol; Diphos; Diphos (pesticide); Ecopro 1707; EI 52160; ENT 27,165; EPA Pesticide Chemical Code 059001; Experimental insecticide 52160; HSDB 956; Lypor; Nephis; Nephis 1G; Nimitex; Nimitox; OMS 786; *Phenol, 4,4'-thiodi-, O,O-diester with O,O-*dimethyl phosphorothioate; phosphorothioate; Phosphorothioic acid, O,O-dimethyl ester, O,O-diester with 4,4'-thiodiphenol; Procida; Swebat; Swebate; Temefos; Temefosum; Temephos; Temephosn; Tempephos; Tetrafenphos; O,O,O',O'-tetramethyl O,O'-(thiodi-4,1-phenylene) phosphorothioate; O,O,O',O'-tetramethyl O,O'-thiodi-p-phenylene; O,O'-(Thiodi-4,1-phenylene)-bis(O,O-dimethyl phosphorothioate); O,O'-(Thiodi-4,1-phenylene)phosphorothioic acid O,O,O',O'-tetramethyl ester;; O,O'-(Thiodi-4,1-phenylene) O,O,O',O'-tetra-methyl di(phosphorothioate); O,O'-(Thiodi-p-phenylene) O,O,O',O'-tetramethyl bis(phos-phorothioate); O,O'-thiodi-p-

phenylene phosphoro-thioate. Granular and emulsifiable concentrated herbicide. Registered by EPA as an insecticide. Has been used medically as an ectoparasiticide. Crystals; mp = 30 - 30.5°; almost insoluble in H_2O (< 0.000003 g/100 ml), soluble in C_6H_{14}, CH_3CN, CCl_4, Et_2O, C_7H_8, dichloro-ethane; LD_{50} (mrat orl) = 8600 mg/kg, (frat orl) = 13000 mg/kg, (rbt der 24 hr.) = 2181 mg/kg, (rat der) > 4000 mg/kg, (bee topical) = 0.00155 mg/bee); LC_{50} (mallard duck 5 day dietary) = 1200 mg/kg diet, (ring-necked pheasant 5 day dietary) = 170 mg/kg diet, (rainbow trout) = 31.8 mg/l; highly toxic to bees. *Am. Cyanamid; Cyanamid Agri. De Puerto Rico Inc.; Riverdale Chemical Co; Sanex Agro Inc.; Value Gardens Supply LLC.*

3664 Terazosin [anhydrous]

63590-64-7 9229 D



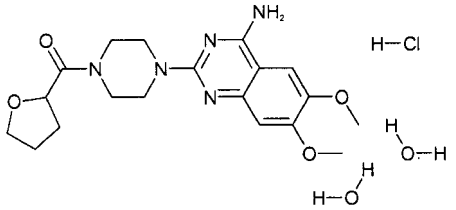
$C_{19}H_{25}N_5O_4$

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(tetrahydro-2-furoyl)piperazine.

Blavin; Flumarc; Fosfomic; Terazosin; Terazosina; Terazosine; Terazosinum; Vasomet.; Anhydrous Hydro-chloride salt [63074-08-8]. An α_1-adrenergic blocker related to prazosin. Used as an antihypertensive agent and in treatment of BPH. White crystals; mp = 272.6-274°; λ_m = 212, 245, 330 nm (a 65.7, 127.5, 24.0 H_2O); soluble in MeOH (3.37 g/100 ml), H_2O (2.97 g/100 ml), EtOH (0.41 g/100 ml), $CHCl_3$ (0.12 g/100 ml), Me_2CO (.1 mg/100 ml); insoluble in C_6H_{14}. *Abbott Labs Inc.*

3665 Terazosin hydrochloride dihydrate

70024-40-7 9229 D



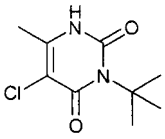
$C_{19}H_{26}ClN_5O_4$

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(tetrahydro-2-furoyl)piperazine hydrochloride dihydrate.

Abbott-45975; Adecur; Deflox; Dysalfa; Flotrin; Heitrin; Hitrin; Hydracin; Hytracin; Hytrin; Hytrine; Hytrinex; Isontyn; Itrin; Magnurol; Sinalfa; Teralfa; Teraprost; Terazosin Abbot; Terazosin hydrochloride dihydrate; Terazosin Hydrochloride; Terazosin monohydrochloride dihydrate; Unoprost; Urodie; Uroflo; Vasocard; Vasomet; Vicard; Anhydrous Hydrochloride salt [63074-08-8]. An α_1-adrenergic blocker related to prazosin. Used to treat hypertension and benign antiprostatic hypertrophy. Crystals; mp = 271-274°; soluble in H_2O (2.42 g/100 ml); LD_{50} (mrat iv) = 277 mg/kg, (frat iv) = 293 mg/kg; [anhydrous hydrochloride]: mp = 278-279°; soluble in H_2O (76.12 g/100 ml); LD_{50} (mus iv) = 259.3 mg/kg. *Abbott Labs Inc.*

3666 Terbacil

5902-51-2 9230 G H P



$C_9H_{13}ClN_2O_2$

5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4-(1H,3H)-pyrimidinedione.

5-24-07-00036 (Beilstein Handbook Reference); BRN 0643054; 3-t-Butyl-5-chloro-6-methyluracil; 3-tert-Butyl-5-chloro-6-methyluracil; 3-tert.Butyl-5-chlor-6-methyl-uracil; Caswell No. 821A; 5-Chloro-3-(1,1-dimethyl-ethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione; 5-Chloro-3-tert-butyl-6-methyluracil; Compound 732; DPX-D732; Du Pont 732: Du Pont herbicide 732; EPA Pesticide Chemical Code 012701; Experimental herbicide 732; Geonter; HSDB 1418; 2,4(1H,3H)-Pyrimidinedione, 5-chloro-3-(1,1-dimethylethyl)-6-methyl-; Sinbar Sinbar 80W; Terbacil; Turbacil; Uracil, 3-tert-butyl-5-chloro-6-methyl-. Selective general-use herbicide effective in the control of annual weeds and perennial grasses in sugarcane, apples, alfalfa, peaches, mints, and pecans. Used for control of annual broad-leaved weeds most annual grasses and some perennial weeds. Registered by EPA as a herbicide. Crystals; mp = 175-177°; sg = 1.34; soluble in H_2O (0.0710 g/100 ml), DMF (31.7 g/100 ml), cyclohexanone (20.7 g/100 ml), methyl isobutyl ketone (9.7 g/100 ml), butyl acetate (7.9 g/100 ml), xylene (5.6 g/100 ml), sparingly soluble in mineral oil and petroleum ether; LD_{50} (rat orl) > 5000 mg/kg, (rbt der) > 5000 mg/kg; LC_{50} (Pekin duckling 8 day dietary) > 56000 mg/kg diet, (pheasant chick 8 day dietary) > 31450 mg/kg diet, (fiddler crab 48 hr.) > 1000 mg/l, (pumpkinseed sunfish 48 hr.) = 86 mg/l; non-toxic to bees. *DuPont UK; E. I. DuPont de Nemours Inc.*

3667 Terbium

7440-27-9 9232 G

Tb

Tb

Terbium.

EINECS 231-137-6; Terbium. A lanthanide element; phosphor activator, dope for solid-state devices. mp = 1356°; bp= 3230°; d = 8.27. *Atomergic Chemetals; Cerac; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

3668 Terbium oxide

12037-01-3 G

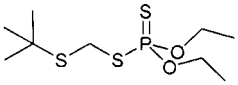
O_3Tb_2

Terbia.

EINECS 234-856-3; Terbium oxide; Terbium oxide (Tb_4O_7); Tetraterbium heptaoxide. *Atomergic Chemetals; Cerac; Rhône-Poulenc.*

3669 Terbufos

13071-79-9 9233 G P



$C_9H_{21}O_2PS_3$

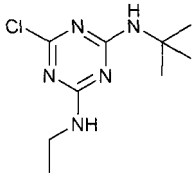
S-t-Butylthiomethyl O,O-diethylphosphorodithioate.

4-01-00-03092 (Beilstein Handbook Reference); AC 92100; AI3-27920; BRN 1710115; Caswell No. 131A; CCRIS 4772; Contraven;

Counter; Counter 15G soil insecticide; Counter 15G soil insecticide-nematicide; ENT 27920; EPA Pesticide Chemical Code 105001; HSDB 6444; Phosphorodithioic acid, O,O-diethyl S-(((1,1-dimethylethyl)thio)methyl) ester; Phosphorodithioic acid, S-(((1,1-dimethylethyl)thio)methyl) O,O-diethyl ester; Phosphorodithioic acid S-((tert-butylthio)methyl) O,O-diethyl ester; S-(((1,1-Dimethylethyl)thio)methyl) O,O-diethyl phosphorodithioate; St-100; Terbufos. A soil insecticide and nematicide with stomach and contact action. A cholinesterase inhibitor. Used for control of soil insects in vegetable and fruit crops. Registered by EPA as an insecticide and fungicide. Used as a nematicide. Colorless liquid; mp = -29.2°, $bp_{0.01}$ = 69°; d^{24} = 1.105; soluble in organic solvents, H_2O (0.45 - 1.5 mg/100 ml); LD_{50} (rat orl) = 1.6 mg/kg, (mus orl) = 5 mg/kg, (rat der) = 9.8 mg/kg, (rbt der) = 1.0 mg/kg, (bee topical) = 0.0041 mg/bee, (quail orl) = 15 mg/kg; LC_{50} (mallard duck 8 day dietary) = 185 mg/kg diet, (ring-necked pheasant 8 day dietary) = 145 mg/kg diet, (rainbow trout 96 hr.) = 0.01 mg/l, (bluegill sunfish 96 hr.) = 0.004 mg/l. *Aceto Agriculture Chemicals Corp.; Agriliance LLC; Am. Cyanamid; BASF Corp.; UAP - Platte Chemical; Uniroyal.*

3670 Terbuthylazine

5915-41-3 G P



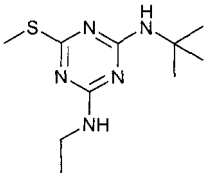
$C_9H_{16}ClN_5$

2-(t-Butylamino)-4-chloro-6-(ethylamino)-s-triazine.

Caswell No. 125B; ChlorCaragard; 6-Chloro-N-(1,1-dimethylethyl)-N'-ethyl-1,3,5-triazine-2,4-diamine; EINECS 227-637-9; EPA Pesticide Chemical Code 080814; G 13529; Gardeprim A 1862; Gardoprim; GS 13529; HSDB 6148; N^2-tert-Butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine; Primatol M; Primatol-M80; s-Triazine, 2-(tert-butylamino)-4-chloro-6-(ethylamino)-; 1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethyl-ethyl)-N'-ethyl-; Sorgoprim; Terbutazine; Terbuthylazine; Terbutylazine; Terbutylethylazine; Turbulethylazin. Herb-icide, absorbed mainly by roots. Used for broad spectrum weed control. Registered by EPA as an algicide and herbicide. Colorless crystals; mp = 177 - 179°; sg^{20} = 1.188; soluble in H_2O (0.00085 g/100 ml), DMF (10 g/100 ml), EtOAc (4 g/100 ml), *i-PrOH* (1 g/100 ml), tetralin (1 g/100 ml), xylene (1 g/100 ml), n-octanol (1.43 g/100 ml); LD_{50} (rat orl) = 2160 mg/kg, (rbt der) > 3000 mg/kg; LC_{50} (rat ihl 4 hr.) > 3.51 mg/l air, (rainbow trout 96 hr.) = 4.6 mg/l, (goldfish 96 hr.) = 9.4 mg/l, (bluegill sunfish 96hr.) = 66 mg/l, (crucian carp 96 hr.) = 52 mg/l; non-toxic to bees. *Bio-Lab, Inc.; Syngenta Crop Protection; Vinings Industries Inc.*

3671 Terbutryn

886-50-0 G H P



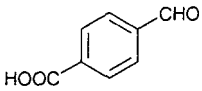
$C_{10}H_{19}N_5S$

1,3,5-Triazine-2,4-diamine, N(1,1-dimethylethyl)-N'-ethyl-6-(methylthio)-.

4-Äthylamino-2-tert-butylamino-6-methylthio-s-triazin; A 1866; BRN 0611817; 2-tert-Butylamino-4-ethylamino-6-methylthio-s-triazine; 2-tert-Butylamino-4-ethylamino-6-methylmercapto-s-triazine; 2-tert-Butylamino-4-ethyl-amino-6-methylthio-1,3,5-triazine; 2-tert.Butylamino-4-äthylamino-6-methylthio-1,3,5-triazin; Caswell No. 125D; Clarosan; EPA Pesticide Chemical Code 080813; GS 14260; HS-14260; HSDB 1525; Igran; Igran 50; Igran 500; 2-Methylthio-4-ethylamino-6-tert-butylamino-s-tri-azine; N-(1,1-Dimethylethyl)-N'-ethyl-6-(methylthio)-1,3, 5-triazine-2,4-diamine; N^2-tert-Butyl-N^4-ethyl-6-methyl-thio-1,3,5-triazine-2,4-diamine; N-tert-Butyl-N-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine; Prebane; Saterb; Short-stop E; Shortstop; Terbutrex; Terbutryn; Terbutryne. Selective herbicide absorbed by roots and foliage and used for pre-emergence and post-emergence weed control of most grasses in winter cerals, vegetables and citrus fruit, and aquatic weed control. Registered by EPA as a herbicide (cancelled). Colorless crystals; mp = 104-105°; $bp_{0.06}$ = 154-160°; d_{20} = 1.115; soluble in H_2O (0.0025 g/100 ml at 20°), Me_2CO (28 g/100 ml), C_6H_{14} (0.9 g/100 ml), CH_2Cl_2 (30 g/100 ml), octanol (13 g/100 ml), MeOH (28 g/100 ml), C_7H_8 (4.5 g/100 ml), dioxane, Et_2O, xylene, $CHCl_3$, CCl_4, DMF, sparingly soluble in petroleum ether; LD_{50} (rat orl) = 2045 mg/kg, (mus orl) = 500 mg/kg, (rat der) > 2000 mg/kg, (rbt der) > 10200 mg/kg; LC_{50} (rat ihl 4 hr.) = 8 mg/l, (bobwhite quail 8 day dietary) > 20000 mg/kg, (mallard duck 8 day dietary) > 4640 mg/kg, (rainbow trout 96 hr.) = 3 mg/l, (bluegill sunfish, carp, perch 96 hr.) ◘ 4 mg/l; non-toxic to bees. *Agan Chemical Manufacturers; Chemolimpex; Ciba Geigy Agrochemicals; Ciba-Geigy Corp.; Makhteshim-Agan; Probelte; Syngenta Crop Protection.*

3672 Terephthalaldehydic acid

619-66-9 H



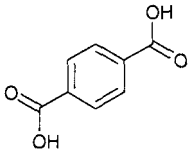
$C_8H_6O_3$

4-Formylbenzoic acid.

4-10-00-02752 (Beilstein Handbook Reference); Benzoic acid, 4-formyl-; BRN 0471734; 4-Carboxybenzaldehyde; EINECS 210-607-4; 4-Formylbenzoic acid; HSDB 5719; NSC 15797; p-Carboxybenzaldehyde; p-Formylbenzoic acid; Terephthalaldehydic acid.

3673 Terephthalic acid

100-21-0 9238 H



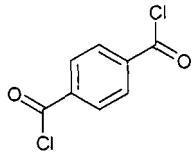
$C_8H_6O_4$

1,4-Benzenedicarboxylic acid.

4-09-00-03301 (Beilstein Handbook Reference); Acide terephtalique; AI3-16108; p-Benzenedicarboxylic acid; BRN 1909333; p-Carboxybenzoic acid; CCRIS 2786; p-Dicarboxybenzene; *EINECS 202-830-0; HSDB 834;* Kyselina tereftalova; NSC 36973; p-Phthalic acid; para-Phthalic acid; TA 12; TA-33MP; Tephthol; Terephthalic acid; WR 16262. Crystals; sublimes at 300°; λ_m = 241, 286 nm (ε = 17500, 1960, dioxane); insoluble in H_2O, EtOH, Et_2O, $CHCl_3$, CCl_3, AcOH.

3674 Terephthaloyl chloride

100-20-9 H



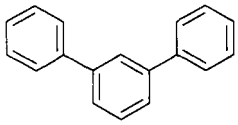
$C_8H_4Cl_2O_2$

1,4-Benzenedicarbonyl dichloride.

4-09-00-03318 (Beilstein Handbook Reference); BRN 0607796; EINECS 202-829-5; HSDB 5332; NSC 41885; p-Phenylenedicarbonyl dichloride; p-Phthaloyl chloride; p-Phthaloyl dichloride; p-Phthalyl dichloride; Tere-phthalic acid chloride; Terephthalic acid dichloride; Terephthalic dichloride; Terephthaloyl chloride; Tere-phthalyl dichloride. Needles, mp = 83.5°; bp = 258, bp_9 = 125°; soluble in Et_2O.

3675 Terphenyl

26140-60-3 H



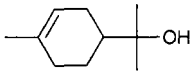
$C_{18}H_{14}$

Diphenylbenzene.

AI3-01405; Delowax OM; Delowax S; Diphenylbenzene; EINECS 247-477-3; Gilotherm OM 2; Santowax OM; Santowax R; Terbenzene; Terphenyl; Terphenyls; Triphenyl.

3676 α-Terpineol

98-55-5 9248 D G H



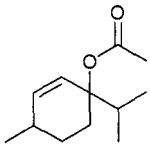
$C_{10}H_{18}O$

3-Cyclohexene-1-methanol, α,α,4-trimethyl-.

2-06-00-00067 (Beilstein Handbook Reference); AI3-00275; BRN 1906604; Carvomenthenol; CCRIS 3204; EINECS 202-680-6; EINECS 219-448-5; FEMA Number 3045; HSDB 5316; Lily of valley, artificial; p-Menth-1-en-8-ol; NSC 21449; PC 593; Terpenol; Terpilenol, α-; Terpineol; α-Terpineol; dl-α-Terpineol; Terpineol 350; Terpineol schlechthin. One of three isomers of terpineol. Has been used as an antiseptic. Liquid; [dl-form]: bp_3 = 85°; d^{15} = 0.9386.

3677 α-Terpineol, acetate

80-26-2 H



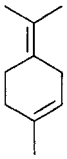
$C_{12}H_{20}O_2$

p-Menth-1-en-8-yl acetate.

4-06-00-00253 (Beilstein Handbook Reference); AI3-00522; BRN 3198769; EINECS 201-265-7; EINECS 234-183-5; FEMA No. 3047; p-Menth-1-en-8-ol, acetate; p-Menth-1-en-8-yl acetate; Ravensara; Terpinyl acetate. Used in aromatherapy. Liquid; bp_{40} = 140°, bp_{11} = 105°; d^{21} = 0.9659; $[\alpha]_D$ = +52.5°; insoluble in H_2O, soluble in EtOH, Et_2O, C_6H_6. *Essex County Ltd.; Ravenwood.*

3678 Terpinolene

586-62-9 H



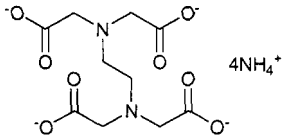
$C_{10}H_{16}$

1-Methyl-4-isopropylidene-1-cyclohexene.

AI3-24378; Cyclohexene, 1-methyl-4-(1-methylethyl-idene)-; EINECS 209-578-0; FEMA Number 3046; HSDB 5702; 4-Isopropylidene-1-methylcyclohexene; Isoterp-inene; Nofmer TP; p-Mentha-1,4(8)-diene; Tereben; 1,4(8)-Terpadiene; Terpinolen; Terpinolene; UN2541. Oil; bp = 186°; d^{15} = 0.8632; insoluble in H_2O, soluble in C_6H_6, CCl_4, freely soluble in EtOH, Et_2O.

3679 Tetraammonium ethylenediaminetetra-acetate

22473-78-5 H



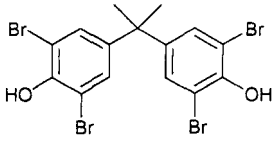
$C_{10}H_{28}N_6O_8$

Glycine, N,N'-1,2-ethanediylbis(N-(carboxymethyl)-, tetraammonium salt.

Acetic acid, (ethylenedinitrilo)tetra-, tetraammonium salt; EINECS 245-022-3; Glycine, N,N'-1,2-ethanediylbis(N-(carboxymethyl)-, tetraammonium salt; Tetraammonium ethylenediaminetetraacetate.

3680 Tetrabromobisphenol A

79-94-7 G H



$C_{15}H_{12}Br_4O_2$

4,4'-Isopropylidenebis(2,6-dibromophenol).

BA 59; Bromdian; CCRIS 6274; EINECS 201-236-9; FG 2000; Fire Guard 2000; Firemaster BP 4A; Great Lakes BA-59P; HSDB 5232; NSC 59775; Phenol, 4,4'-(1-methylethylidene)bis(2,6-dibromo-; Phenol, 4,4'-iso-propylidenebis(2,6-dibromo-; Saytex RB 100PC; Tetra-bromobisphenol A; Tetrabromodian; Tetrabromodi-phenylopropane. Reactive or additive source of bromine for flame retardancy; reactive intermediate for preparation of brominated epoxy resins, polycarbonates, and unsaturated polyesters; additive for ABS, PS, and phenolic resins. Reactive flame retardant used in the manufacture of epoxy, PC, ABS, phenolic, PS, and polyester resins, rubber; flame retardant intermediate. White powder; mp = 180 - 184°; d = 2.17; poorly soluble in H_2O, soluble in Me_2CO, C_6H_6, EtOH; acetone, benzene, alcohol; LD_{50} (rat orl) >50,000 mg/kg, (rbt der) >2000 mg/kg. *Dead Sea Bromine; Ethicon Inc.; Rohm & Haas Co.*

3681 Tetrabromodipentaerythritol

109678-33-3 G

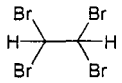
$C_{10}H_{18}Br_4O_3$

1-Propanol, 3,3'-oxybis(2,2-bis(bromomethyl)-.

FR-1034; 1-Propanol, 3,3'-oxybis(2,2-bis(bromomethyl)-; TBDPE. Flame retardant for PP extruded fibers; processing aid for ABS and HIPS. Powder; mp = 75-82°; LD_{50} (rat orl) > 5000mg/kg. AmeriHaas; Bromine; Dead; Sea.

3682 1,1,2,2-Tetrabromoethane

79-27-6 9261 G



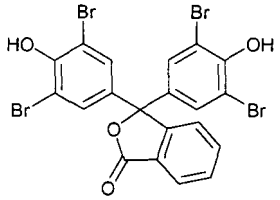
$C_2H_2Br_4$

sym-Tetrabromoethane.

4-01-00-00162 (Beilstein Handbook Reference); Acetylene tetrabromide; AI3-08850; BRN 1098321; CCRIS 1272; EINECS 201-191-5; Ethane, 1,1,2,2-tetrabromo-; HSDB 1600; Muthmann's liquid; NSC 406889; s-Tetrabromoethane; TBE; Tetrabromoacetylene; 1,1,2,2-Tetrabromaethan; 1,1,2,2-Tetrabromäthan; 1,1, 2,2-Tetrabromoetano; 1,1,2,2-Tetrabromoethane; 1,1,2,2-Tetrabroomethaan. Used as a solvent and in flotation of minerals for separation. mp ▪ 0°; bp_{54} = 151°, bp = 243.5°; d^{20} = 2.9655; insoluble in H_2O, soluble in organic solvents; LD_{50} (mus ip) = 443 mg/kg.

3683 Tetrabromophenolphthalein

76-62-0 9262



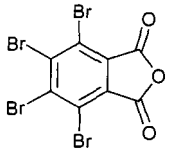
$C_{20}H_{10}Br_4O_4$

3,3-Bis(3,5-dibromo-4-hydroxyphenyl)phthalide.

3,3-Bis(3,5-dibromo-4-hydroxyphenyl)-1(3H)-isobenzo-furanone; EINECS 200-974-9; 1(3H)-Isobenzofuranone, 3,3-bis(3,5-dibromo-4-hydroxyphenyl)-; NSC 21261; Phenolphthalein, 3',3",5',5"-tetrabromo-; 3',3",5',5"-Tetrabromophenolphthalein. Disodium salt used as a radiopaque medium in diagnostic work. Needles; mp ▪ 296°; insoluble in H_2O, slightly soluble in EtOH, AcOH, soluble in Et_2O, alkali (violet).

3684 Tetrabromophthalic anhydride

632-79-1 G H



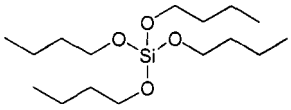
$C_8Br_4O_3$

3,4,5,6-Tetrabromophthalic anhydride.

5-17-11-00265 (Beilstein Handbook Reference); BRN 0018908; Bromophthal; Bromphthal; CCRIS 6201; Dion 6692; EINECS 211-185-4; FG 400; FG 4000; FireMaster PHT 4; Great Lakes PHT4; HSDB 5438; NSC 4874; PHT 4; Phthalic acid, tetrabromo-, anhydride; Phthalic anhydride, tetrabromo-; Saytex® RB 49; Tetrabromo-phthalic acid anhydride; Tetrabromophthalic anhydride; 3,4,5,6-Tetrabromophthalic anhydride. Flame retardant in production of unsaturated polyester resins and rigid PU polyols; co-hardener for epoxy resins; cost efficient additive for latex emulsions; derivatives used as flame retardants in diverse applications (wire coating, and wool, etc.). Crystals; mp = 279-281°; insoluble in H_2O. *Ethyl Corp.; Great Lakes Fine Chem.*

3685 Tetrabutoxysilane

4766-57-8 G



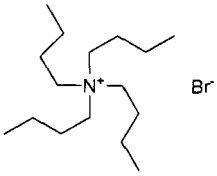
$C_{16}H_{36}O_4Si$

Tetra-n-butoxysilane.

Butyl silicate; Butyl silicate ($(BuO)_4Si$); CT1750; EINECS 225-305-8; NSC 89762; Silane, tetrabutoxy-; Silicic acid (H_4SiO_4), tetrabutyl ester; Silicon tetrabutoxide; T1750; Tetrabutoxysilane; Tetra-n-butoxysilane; Tetrabutyl ortho-silicate; Tetrabutyl silicate. Coupling agent, chem-ical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used in heat exchange applications, as dielectric fluids; as a lubricant in airborne radar. Liquid; bp = 256°, bp3ks = 120°; d^{20} = 0.8990. *Degussa-Hüls Corp.*

3686 Tetrabutyl ammonium bromide

1643-19-2 G



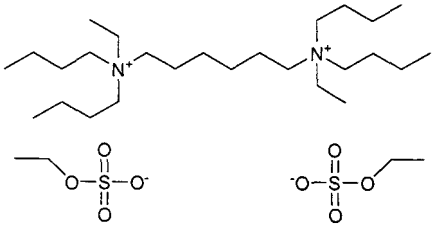
$C_{16}H_{36}BrN$

Tetra-N-butylammonium bromide.

1-Butanaminium, N,N,N-tributyl-, bromide; EINECS 216-699-2; TBAB; Tetrabutylammonium bromide. Quaternary ammonium salt. Solid; mp = 103-104°. *Hawks Chem Co Ltd; Lancaster Synthesis Co.; Pentagon Chems. Ltd.; Sigma-Aldrich Fine Chem.; Zeeland Chem. Inc.*

3687 Tetrabutyldiethylhexamethylenediammon-ium ethylsulfate

68052-49-3 H



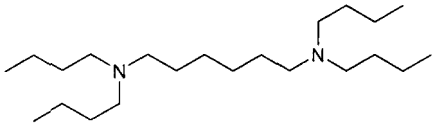
$C_{30}H_{68}N_2O_8S_2$

1,6-Hexanediaminium, N,N,N',N'-tetrabutyl-N,N'-di-ethyl-, bis(ethylsulfate).

S,S'-Diethyl N,N'-hexane-1,6-diylbis(dibutylethyl-amm-onium) disulphate; EINECS 268-327-3; 1,6-Hexane-di-aminium, N,N,N',N'-tetrabutyl-N,N'-diethyl-, bis(ethyl-sulfate); Tetrabutyldiethylhexamethylenediammonium ethylsulfate.

3688 N,N,N',N'-Tetrabutylhexane-1,6-diamine

27090-63-7 H



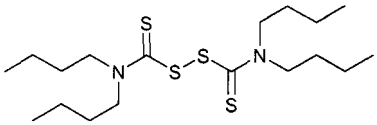
$C_{22}H_{48}N_2$

1,6-Hexanediamine, N,N,N',N'-tetrabutyl-.

EINECS 248-219-2; 1,6-Hexanediamine, N,N,N',N'-tetrabutyl-; N,N,N',N'-Tetrabutylhexane-1,6-diamine.

3689 Tetrabutylthiuram disulfide

1634-02-2 G



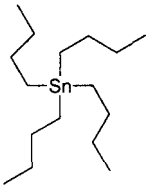
$C_{18}H_{36}N_2S_4$

Tetrabutylthioperoxydicarbonic diamide.

4-04-00-00595 (Beilstein Handbook Reference); Akro-chem® TBUT; BRN 1715575; Disulfide, bis(dibutyl-thiocarbamoyl); EINECS 216-652-6; Tetrabutylthioperoxy-dicarbamic acid; Tetrabutylthiuram disulfide; Tetrabutyl-thiuram disulphide; Thioperoxydicarbonic diamide (((H_2N)C(S))$_2S_2$), tetrabutyl-; Thiuram disulfide tetrabutyl; Thiuram, tetrabutyl-, disulfide. Rubber accelerator, sulfur donor, accelerator, vulcanizing agent. Combustible liquid; d^{20}_{20} = 1.03-1.06; soluble in CS_2, C_6H_6, $CHCl_3$, ligroin, gasoline, insoluble in H_2O. *Akrochem Chem. Co.*

3690 Tetrabutyltin

1461-25-2 H



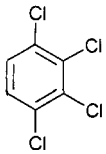
$C_{16}H_{36}Sn$

Tetrabutylstannane.

4-04-00-04312 (Beilstein Handbook Reference); BRN 3648237; CCRIS 6322; EINECS 215-960-8; HSDB 6074; NSC 22330; NSC 28131; NSC 65524; Stannane, tetrabutyl-; Tetra-n-butylcin; Tetra-n-butyltin; Tetrabutyl-stannane; Tetrabutyltin; Tin, tetrabutyl-.

3691 Tetrachlorobenzene

634-66-2 H



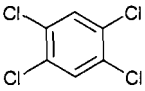
$C_6H_2Cl_4$

1,2,3,4-Tetrachlorobenzene.

4-05-00-00667 (Beilstein Handbook Reference); AI3-01834; Benzene, 1,2,3,4-tetrachloro-; BRN 1910025; Caswell No. 825; CCRIS 5935; EINECS 211-214-0; EPA Pesticide Chemical Code 061101; HSDB 4268; NSC 50729; 1,2,3,4-Tetrachlorobenzene. Needles; mp = 47.5°; bp = 254°; λ_m = 282 nm (cyclohexane); insoluble in H_2O, slightly soluble in EtOH, very soluble in Et_2O, CS_2, AcOH, ligroin.

3692 1,2,4,5-Tetrachlorobenzene

95-94-3 H



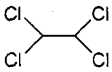
$C_6H_2Cl_4$

Benzene, 1,2,4,5-tetrachloro-.

4-05-00-00668 (Beilstein Handbook Reference); AI3-01835; Benzene, 1,2,4,5-tetrachloro-; Benzene tetra-chloride; BRN 1618315; CCRIS 766; EINECS 202-466-2; HSDB 2733; NSC 27003; RCRA waste number U207; s-Tetrachlorobenzene. Crystals; mp = 139.5°; bp = 244.5°; λ_m = 232, 295 nm (cyclohexane); insoluble in H_2O, poorly soluble in EtOH, soluble in Et_2O, C_6H_6, $CHCl_3$, CS_2.

3693 Tetrachloroethane

79-34-5 9264 G H



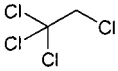
$C_2H_2Cl_4$

1,1,2,2-Tetrachloroethane.

4-01-00-00144 (Beilstein Handbook Reference); Acetosal; Acetylene tetrachloride; AI3-04597; Bonoform; BRN 0969206; Caswell No. 826; CCRIS 578; Cellon; Di-chloro-2,2-dichloroethane; EINECS 201-197-8; EPA Pesticide Chemical Code 078601; Ethane, 1,1,2,2-tetrachloro-; HSDB 123; NCI-C03554; NSC 60912; RCRA waste number U209; s-Tetrachloroethane; TCE Tetra-chlorethane; Tetrachloroethane; Tetrachloroethane, 1,1,2,2-; Tetrachlorure d'acetylene; Westron. Solvent for fats and oils, used in dry cleaning, and manufacture of paint and varnish. Used in soil sterilization and in formulations of herbicides and insecticides. Liquid; mp = -43.8°; bp = 146.5°; d^{20}= 1.5953; sparingly soluble in H_2O (0.29 g/100 ml), soluble in organic solvents; LD_{50} (rat orl) = 0.20 ml/kg.

3694 Tetrachloroethane

630-20-6 H



$C_2H_2Cl_4$

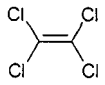
1,1,1,2-Tetrachlorethane.

4-01-00-00143 (Beilstein Handbook Reference); BRN 1733216; CCRIS 577; EINECS 211-135-1; Ethane, 1,1,1,2-tetrachloro-; HSDB

4148; NCI-C52459; RCRA waste no. U208; 1,1,1,2-Tetrachlorethane. Liquid; mp = -70.2°; bp = 130.5°; d^{20} = 1.5406; slightly soluble in H_2O, soluble in Me_2CO, C_6H_6, $CHCl_3$, freely soluble in EtOH, Et_2O.

3695 Tetrachloroethene

127-18-4 9265 D G H



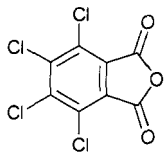
C_2Cl_4

1,1,2,2-Tetrachloroethylene.

4-01-00-00715 (Beilstein Handbook Reference); AI3-01860; Ankilostin; Antisol 1; BRN 1361721; Carbon bichloride; Carbon dichloride; Caswell No. 827; CCRIS 579; ChemIDplus; Czterochloroetylen; Didakene; Dilatin PT; Dow-per; Dowper; EINECS 204-825-9; ENT 1,860; EPA Pesticide Chemical Code 078501; Ethene, tetrachloro-; Ethylene tetrachloride; Ethylene, tetrachloro-; Fedal-UN; HSDB 124; NCI-C04580; Nema; NSC 9777; PCE; PER; Perawin; Perc; Perchloorethyleen, per; Perchlor; Perchloräthylen, per; Perchloraethylen, per; Perchlorethylene; Perclene; Perclene D; Percloroetilene; Percosolv; Percosolve; Perk; Perklone; Persec; RCRA waste number U210; Tetlen; Tetracap; Tetrachlooretheen; Tetrachloräthen; Tetrachloraethen; Tetrachlorethylene; Tetrachloroethene; Tetrachloroethylene; Tetracloroetene; Tetraguer; Tetraleno; Tetralex; Tetravec; Tetrochloro-ethane; Tetroguer; Tetropil; UN1897. Solvent, degreaser. Dry-cleaning solvent; vermifuge; drying agent; degreasing metals. EPA Registered as a nematicide (cancelled). Colorless liquid; mp = -22°; bp = 121°; d_4^{15} = 1,6311, d_4^{20} = 1.6230; soluble in EtOH, Et_2O, $CHCl_3$, C_6H_6, slightly soluble in H_2O (0.01 g/100 ml); LD_{50} (mus orl) = 8850 mg/kg, LC_{50} (mus ihl) = 5925 ppm. *Asahi Chem. Industry; Ashland; Elf Atochem N. Am.; General Chem; ICI Spec.; OxyChem; PPG Ind.*

3696 Tetrachlorophthalic anhydride

117-08-8 G H



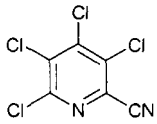
$C_8Cl_4O_3$

4,5,6,7-Tetrachloro-1,3-isobenzofurandione.

5-17-11-00260 (Beilstein Handbook Reference); AI3-09048; BRN 0211560; CCRIS 6202; CP 626; EINECS 204-171-4; HSDB 2922; NCI-C61585; Niagathal; NSC 1484; Phthalic anhydride, tetrachloro-; Tetrachloro-phthalic anhydride; Tetrathal. Flame retardant used with polyester resins and polyols. Crystals; mp = 254.5°; bp = 349-354° sublimes; d^{275} = 1.49; λ_m = 298 nm (MeOH); slightly soluble in Et_2O. *Monsanto Co.*

3697 Tetrachloropicolinonitrile

17824-83-8 H



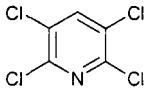
$C_6Cl_4N_2$

Tetrachloro-2-cyanopyridine.

EINECS 241-784-6; Picolinonitrile, tetrachloro-; 2-Pyridinecarbonitrile, 3,4,5,6-tetrachloro-; 3,4,5,6-Tetra-chloropyridine-2-carbonitrile; Tetrachloro-2-cyanopyr-idine; Tetrachloropicolinonitrile.

3698 Tetrachloropyridine

2402-79-1 H



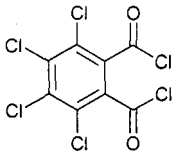
C_5HCl_4N

2,3,5,6-Tetrachloropyridine.

5-20-05-00421 (Beilstein Handbook Reference); BRN 0129639; EINECS 219-283-9; HSDB 5874; NSC 2009; Pyridine, 2,3,5,6-tetrachloro-; 2,3,5,6-Tetrachloropyr-idine; Tetrachloropyridine, 2,3,5,6-. Crystals; mp = 90.5°; bp = 250.5°; very soluble in EtOH, Et_2O, petroleum ether.

3699 Tetrachloroterephthalic dichloride

719-32-4 H



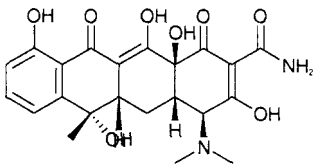
$C_8Cl_2O_2$

2,3,5,6-Tetrachloroterephthaloyl dichloride.

1,4-Benzenedicarbonyl dichloride, 2,3,5,6-tetrachloro-; EINECS 211-947-6; HSDB 5749; Perchloroterephthaloyl chloride; Terephthaloyl chloride, tetrachloro-; Tetra-chloroterephthaloyl chloride; 2,3,5,6-Tetrachiorotere-phthaloyl chloride.

3700 Tetracycline

60-54-8 9271 D G



$C_{22}H_{24}N_2O_8$

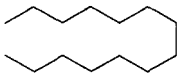
(4S,4aS,5aS,6S,12aS)-4-(Dimethylamino)-1,4,4a,5,5a,6, 11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide.

Abramycin; Abricycline; Achromycin; Agromicina; Am-bramicina; Ambramycin; Amycin; Bio-Tetra; Biocycline; Cefracycline; Cefracycline suspension; Centet (base); Ciclibion; Copharlan; Criseociclina; Cyclomycin; Cyclo-par; Democracin; Deschlorobiomycin; Dumocyclin; EINECS 200-481-9; Hostacyclin; HSDB 3188; Lexacycline; Limecycline; Liquamycin; Mericycline; Micycline; Mysteclin-F; Neocycline; NSC 108579; Omegamycin; Orlycycline; Panmycin; Piracaps (base); Polycycline; Polyotic; Purocyclina; Robitet; Roviciclina; SK-Tetracycline; Solvocin; Sumycin; Sumycin syrup; T-125; Talsutin; Tetra-co; Tetrabon; Tetraciclina; Tetracycl; Tetracycline; Tetracycline I; Tetracycline II; Tetra-cyclinum; Tetracyn; Tetradecin; Tetrafil; Tetraverine; Tsiklomistsin; Tsiklomitsin; Veracin; Vetacyclinum; Vet-quamycin-324 (free base).; component of: Mysteclin-F. Tetracycline antibiotic

produced in *Streptomyces* species. Antiamebic; antibacterial; antirickettsial. [trihydrate]: Dec 170-175°; $[\alpha]_D^{25}$= -257.9° (0.1 N HCl), -239° (MeOH); λ_m = 220, 268, 355 nm (ε 13000, 18040, 13320 0.1N HCl); soluble in H_2O (1.7 mg/ml), MeOH (> 20 mg/ml); LD_{50} (rat orl) = 707mg/kg, (mus orl) = 808 mg/kg. *Bristol-Myers Squibb Co.; Pfizer Inc.*

3701 Tetradecane

629-59-4 H



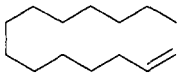
$C_{14}H_{30}$

n-Tetradecane.

4-01-00-00520 (Beilstein Handbook Reference); AI3-04240; BRN 1733859; CCRIS 715; EINECS 211-096-0; HSDB 5728; NSC 72440; Tetradecane; n-Tetradecane. Liquid; mp = 5.8°; bp = 253,5°; d^{20} = 0.7628; insoluble in H_2O, soluble in CCl_4, very soluble in EtOH, Et_2O.

3702 Tetradec-1-ene

1120-36-1 G H



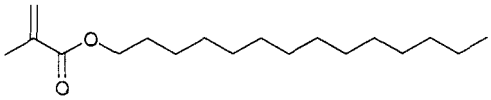
$C_{14}H_{28}$

n-Tetradec-1-ene.

AI3-10509; CCRIS 3785; EINECS 214-306-9; HSDB 1087; Neodene® 14; α-Tetradecene; 1-Tetradecene; 1-Tetradecylene; n-Tetradec-1-ene; NSC 66434. An intermediate for biodegradable surfactants and specialty industrial chemicals. Liquid; mp =-12°; bp = 233°; d^{25} = 0.7745; insoluble in H_2O, slightly soluble in CCl_4, soluble in C_6H_6, very soluble in EtOH, Et_2O. *Shell.*

3703 Tetradecyl methacrylate

2549-53-3 H



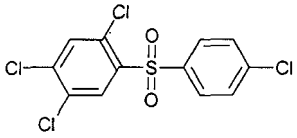
$C_{18}H_{34}O_2$

2-Propenoic acid, 2-methyl-, n-tetradecyl ester.

EINECS 219-835-9; HSDB 5885; Methacrylic acid, tetradecyl ester; Myristyl methacrylate; Tetradecyl 2-methyl-2-propenoate; Tetradecyl methacrylate.

3704 Tetradifon

116-29-0 9273 G P



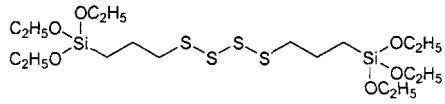
$C_{12}H_6Cl_4O_2S$

4-Chlorophenyl 2,4 5-trichlorophenylsulfone.

4-06-00-01636 (Beilstein Handbook Reference); AI3-23737; Akaritox; Aracnol K; Aredion; Benzene, 1,2,4-trichloro-5-((4-chlorophenyl)sulfonyl)-; BRN 2292528; Caswell No. 836; CCRIS 4026; Childion; 4-Chlorophenyl 2,4,5-trichlorophenyl sulfone; 4-Chlorophenyl 2,4,5-trichlorophenyl sulphone; Dorvert; Duphar; EINECS 204-134-2; ENT 23,737; EPA Pesticide Chemical Code 079202; FMC 5488; HSDB 1773; Mition; NIA 5488; p-Chlorophenyl 2,4,5-trichlorophenyl sulfone; p-Chloro-phenyl 2,4,5-trichlorophenyl sulphone; Polacaritox; Roztoczol; Roztoczol extra; Roztozol; Sulfone, 2,4,4',5-tetrachlorodiphenyl; Sulfone, p-chlorophenyl 2,4,5-trichlorophenyl; Tedane; Tedane Combi; Tedion; Tedion V-18; 2,4,4',5-Tetrachloor-difenyl-sulfon; 2,4,4',5-Tetrachlor-diphenyl-sulfon; 2,4,4',5-Tetrachlorodiphenyl sulfone; 2,4,4',5-Tetrachlorodiphenyl sulphone; 2,4,4',5-Tetracloro-difenil-solfone; 3,4,6,4'-Tetrachlor-diphenyl-sulfon; Tetradichlone; Tetradifon; Tetradiphon; Tetrafidon; 1,2,4-Trichloro-5-((4-chlorophenyl)sulfonyl)-benzene; Turbair Acaricide; V-18. A selective acaricide for use against mite infestation in orchards, citrus fruit plantations, hop fields, groundnut plantations, vegetable plots,cotton fields and on ornamental plants; red spider mite control in horticultural crops. A long-acting, non-systemic acaricide used to control eggs of phytophagous mites on fruit trees. Registered by EPA (cancelled). Crystals; mp = 146°; d_{20} = 1.151; soluble in H_2O (0.000005 g/100 ml at 10°, 0.000008 g/100 ml at 20°, 0.000034 g/100 ml at 50°), Me_2CO (8.2 g/100 ml), C_6H_6 (14.8 g/100 ml), $CHCl_3$ (25.5 g/100 ml), cyclohexanone (20 g/100 ml), dioxane (22.3 g/100 ml), kerosene (1 g/100 ml), MeOH (1 g/100 ml), C_7H_8 (13.5 g/100 ml), xylene (11.5 g/100 ml); LD_{50} (mrat orl) > 14700 mg/kg, (rbt der) = 10000 mg/kg; LC_{50} (bobwhite quail, Japanese quail, pheasant, mallard duck 8 day dietary) > 5000 mg/kg diet, (carp 3 hr.) > 10 mg/l; non-toxic to bees. *Diachem; Duphar BV; Hortichem Ltd.; Uniroyal.*

3705 4,4,15,15-Tetraethoxy-3,16-dioxa-8,9,10,11-tetrathia-4,15-disilaoctadecane

40372-72-3 G



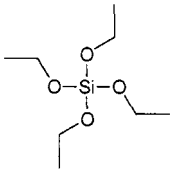
$C_{18}H_{42}O_6S_4Si_2$

3,16-Dioxa-8,9,10,11-tetrathia-4,15-disilaoctacane.

Aktisil PF 216; EINECS 254-896-5; 3,16-Dioxa-8,9,10,11-tetrathia-4,15-disilaoctadecane, 4,4,15,15-tetraethoxy-; 4, 4,15,15-Tetraethoxy-3,16-dioxa-8,9,10,11-tetrathia-4,15-disilaoctadecane. Filler for sulfur-cured systems. *Hoffmann Mining.*

3706 Tetraethoxysilane

78-10-4 3882 H



$C_8H_{20}O_4Si$

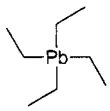
Silicon tetraethoxide.

4-01-00-01360 (Beilstein Handbook Reference); AI3-15098; BRN 1422225; Dynasil A; EINECS 201-083-8; ES 100; ES 28; Ethyl orthosilicate; Ethyl silicate; Ethyl silicate, ($(EtO)_4Si$); Etylu krzemian; HSDB 534; NSC 4790; Orthosilicic acid, tetraethyl ester; Silane, tetraethoxy-; Silester; Silicate d'ethyle; Silicate tetraethylique; Silicic acid, tetraethyl ester; Silicic acid (H_4SiO_4), tetraethyl ester; Silicon ethoxide; Silicon tetraethoxide; Silikan L; TEOS; Tetraethoxysilane;

Tetraethoxysilicon; Tetraethyl-O-silicate; Tetraethyl orthosilicate; Tetraethyl silicate; Tetraethylsilikat; UN1292. Intermediate for manufacture of ethyl silicate products; produces binders; chemical and heat-resistant paints, cements, weatherproofing; protective coatings. Used to weatherproof and harden stone and in the manufacture of weather- and acid-proof mortars and cements. Liquid; mp = -77°; bp = 168°; d= 0.94. *Akzo Chemie; Degussa-Hüls Corp.; Greeff R.W. & Co.; Monsanto Co.; PCR; Sigma-Aldrich Fine Chem.; Wacker Silicones.*

3707 Tetraethyl lead

78-00-2 9277 H



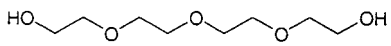
$C_8H_{20}Pb$

Lead, tetraethyl.

4-04-00-04349 (Beilstein Handbook Reference); BRN 3903146; CCRIS 1565; Czteroetylek olowiu; EINECS 201-075-4; HSDB 841; Lead tetraethide; Lead tetraethyl; NA1649; NCI-C54988; NSC 22314; Piombo tetra-etile; Plumbane, tetraethyl-; RCRA waste number P110; Tetra(methylethyl)lead; Tetraethyl lead; Tetraethylolovo; Tetraethylplumbane. Has been used as a gasoline additive as an anti-knock agent, improving the octane rating of fuels. No longer used in the US and Europe. Colorless liquid; bp ▪ 200°; d^{20} ▪ 1.653; almost insoluble in H_2O, slightly soluble in EtOH, more soluble in C_6H_6; LD_{50} (rat orl) = 12.3 mg/kg. *Great Lakes Chemical Corp.*

3708 Tetraethylene glycol

112-60-7 G H



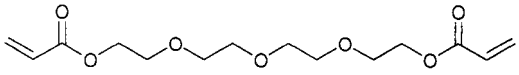
$C_8H_{18}O_5$

3,6,9-Trioxaundecane-1,11-diol.

4-01-00-02403 (Beilstein Handbook Reference); AI3-01838; BRN 1634320; Carbitol, diethyl; EINECS 203-989-9; Ethanol, 2,2'-(oxybis(2,1-ethanediyloxy))bis-; HI-Dry; HSDB 843; NSC 1262; PEG-4; Tetraethylene glycol; 3,6,9-Trioxaundecane-1,11-diol. Lubricant for rubber molds, textile fibers, metalworking; in food and food pkg.; in cosmetics and hair preparations; pharmaceutic aid; in gas chromatography; in paints, paper coatings, polishes, ceramics. Oil; mp = -6.2°; bp = 328°; d^{15} = 1.1285; soluble in EtOH, Et_2O, CCl_4, dioxane, very soluble in H_2O; LD_{50} (rat orl) = 29 g/kg.

3709 Tetraethylene glycol diacrylate

17831-71-9 G



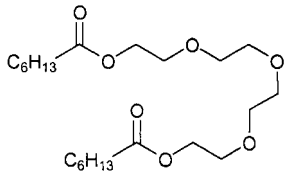
$C_{14}H_{22}O_7$

2-Propenoic acid oxybis(2,1-ethanediyloxy-2,1-ethane-diyl) ester.

Acrylic acid, diester with tetraethylene glycol; Acrylic acid, oxybis(ethyleneoxyethylene) ester; Ageflex T4EGDA; Aronix M 240; CCRIS 3434; EINECS 241-789-3; Oxybis(2,1-ethanediyloxy-2,1-ethanediyl)diacrylate; PEG-4 diacrylate; PEG 200 diacrylate; Photomer™4013; Polyethylene glycol 1000 diacrylate; 2-Propenoic acid oxybis(2,1-ethanediyloxy-2,1-ethanediyl) ester; SR 268; TTEGDA; Viscoat 335HP. Fast curing monomer providing good adhesion and flexibility, low shrinkage, and good impact strength in inks, coatings, adhesives, photo resists, and rubber products. Liquid; $bp_{0.3}$ ▪ 120°; d^{20}_{20} =1.11; slightly soluble in H_2O; f.p. <20°; flash pt. >93°. *Rit-Chem.*

3710 Tetraethylene glycol-di-n-heptanoate

70729-68-9 H



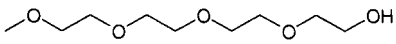
$C_{22}H_{42}O_7$

Heptanoic acid, oxybis(2,1-ethanediyloxy-2,1-ethanediyl) ester.

BRN 2011337; EINECS 274-829-3; Heptanoic acid, oxy-bis(2,1-ethanediyloxy-2,1-ethanediyl) ester; Oxybis-(eth-ane-2,1-diyloxyethane-2,1-diyl) bisheptanoate; Tegdh; Tetraethylene glycol diheptanoate; Tetraethylene glycol di-n-heptanoate.

3711 Tetraethylene glycol monomethyl ether

23783-42-8 H



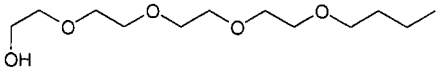
$C_9H_{20}O_5$

3,6,9,12-Tetraoxotridecanol.

EINECS 245-883-5; NSC 345692; Tetraethylene glycol monomethyl ether; 2,5,8,11-Tetraoxatridecan-13-ol; 3,6,9,12-Tetraoxotridecanol; 3,6,9,12-Tetraoxatridecan-1-ol.

3712 Tetraethylene glycol, monobutyl ether

1559-34-8 H



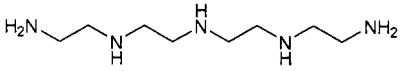
$C_{12}H_{26}O_5$

3,6,9,12-Tetraoxahexadecan-1-ol.

EINECS 216-322-1; Tetraethylene glycol, monobutyl ether; 3,6,9,12-Tetraoxahexadecan-1-ol.

3713 Tetraethylenepentamine

112-57-2 G H



$C_8H_{23}N_5$

3,6,9-Triazaundecane-1,11-diamine.

4-04-00-01244 (Beilstein Handbook Reference); AI3-10049; BRN 0506966; CCRIS 6275; DEH 26; EINECS 203-986-2; HSDB 5171; NSC 88603; TEPA; Tetra-ethylene pentamine; Tetraethylenepentamine; Tetraethyl-pentylamine; Tetren; Texlin® 400; UN2320. Lube oil additive; intermediate in asphalt additives, corrosion inhibitors, epoxy curing agents, surfactants, and in the paper industry. Solvent for sulfur, acid gases, various resins and dyes; saponifying agent for acidic materials; manufacture of synthetic rubber; dispersant in motor oils; intermediate for oil additives. Liquid; mp = -40°; bp =341.5°; d = 0.9980; soluble in H_2O. *Texaco; Tosoh; Union Carbide Corp.*

3714 Tetrafluoroethylene

116-14-3 G H

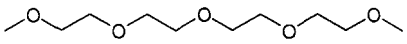
C_2F_4

1,1,2,2-Tetrafluoroethylene.

CCRIS 7738; EINECS 204-126-9; Ethene, tetrafluoro-; Ethylene, tetrafluoro-; Fluoroplast 4; HSDB 844; MS-122; Perfluoroethene; Perfluoroethylene; Tetrafluoroethene; Tetrafluoroethylene; 1,1,2,2-Tetrafluoroethylene; TFE; UN1081. Release agent, dry lubricant for use on cold molds, esp. for epoxy potting/encapsulating, PU, nylon, acrylics, PP, PC phenolics, PS, foams, rubber molding. Gas; mp = -142.5°; bp = -75.9°; d^{-76} = 1.519; insoluble in H_2O.

3715 Tetraglyme

143-24-8 9282 G



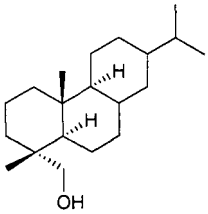
$C_{10}H_{22}O_5$

Tetraethylene glycol dimethyl ether.

4-01-00-02404 (Beilstein Handbook Reference); AI3-01596; Ansol E-181; Ansul ether 181AT; Bis(2-(2-methoxyethoxy)ethyl) ether; BRN 1760005; Dimethoxy-tetraethylene glycol; Dimethoxytetraglycol; E181 (Ether); EINECS 205-594-7; Ether, bis(2-(2-methoxyethoxy)ethyl); Glyme 5; Methyltetraglyme200; Nissan uniox MM 200; NSC 65624; 2,5,8,11,14-Pentaoxapentadecane; Tetra-ethylene glycol dimethyl ether. A trademark for tetraethylene glycol dimethyl ether (tetraglyme), a solvent. Liquid; bp = 275.3°; d^{20} = 1.0114; soluble in EtOH, Et_2O, CCl_4, freely soluble in H_2O.

3716 Tetrahydroabietyl alcohol

13393-93-6 H



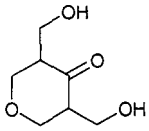
$C_{20}H_{36}O$

1-Phenanthrenemethanol, tetradecahydro-1,4a-dimethyl-7-(1-methylethyl)-.

Abietyl alcohol, tetrahydro-; AI3-04505; EINECS 236-476-3; 1-Phenanthrenemethanol, tetradecahydro-1,4a-dimethyl-7-(1-methylethyl)-, (1R,4aR,4bS,10aR)-; Tetra-decahydro-7-isopropyl-1,4a-dimethylphenanthren-1-methanol; Tetrahydroabietyl alcohol.

3717 Tetrahydro-3,5-dimethylol-4-pyrone

67845-26-5 H



$C_7H_{12}O_4$

4H-Pyran-4-one, tetrahydro-3,5-bis(hydroxymethyl)-.

EINECS 267-305-0; 4H-Pyran-4-one, tetrahydro-3,5-bis(hydroxymethyl)-; Tetrahydro-3,5-bis(hydroxymethyl)-4H-pyran-4-one; Tetrahydro-3,5-dimethylol-4-pyrone.

3718 Tetrahydrofuran

.109-99-9 9285 G H

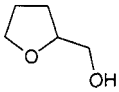
C_4H_8O

1,4-Epoxybutane.

Agrisynth THF; AI3-07570; Butane, α,δ-oxide; Butane, 1,4-epoxy-; Butylene oxide; CCRIS 6276; Cyclotetra-methylene oxide; Diethylene oxide; EINECS 203-726-8; 1,4-Epoxybutane; Furan, tetrahydro-; Furanidine; HSDB 125; Hydrofuran; NCI-C60560; NSC 57858; Oxacyclo-pentane; Oxolane; RCRA waste number U213; Tetra-hydrofuraan; Tetrahydrofuranne; Tetraidrofurano; Tetra-methylene oxide; THF; UN2056. Solvent used in Grignard reactions, reductions, and polymerizations; chemical intermediate and monomer. Clear, mobile liquid; mp = -108.3°; bp = 65°; d^{20} = 0.8892; soluble in H_2O, $CHCl_3$, very soluble in EtOH, Et_2O, C_6H_6. *Arco; Ashland; BASF Corp.; Degussa-Hüls Corp.; Great Lakes Fine Chem.; Janssen Chimica; QO.*

3719 Tetrahydrofurfuryl alcohol

97-99-4 9287 G



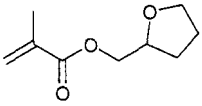
$C_5H_{10}O_2$

Tetrahydrofuryl carbinol.

5-17-03-00115 (Beilstein Handbook Reference); AI3-00104; BRN 0102723; CCRIS 2923; EINECS 202-625-6; FEMA No. 3056; 2-Furanmethanol, tetrahydro-; Furfuryl alcohol, tetrahydro-; HSDB 5314; 2-(Hydroxymethyl)-tetrahydrofuran; NSC 15434; QO Thfa; Tetrahydro-2-furancarbinol; Tetrahydro-2-furanmethanol; Tetrahydro-2-furanylmethanol; Tetrahydro-2-furfuryl alcohol; Tetra-hydro-2-furylmethanol; Tetrahydrofurfuryl alcohol; Tetra-hydrofurfurylalkohol; Tetrahydrofuryl carbinol; Tetra-hydrofurylalkohol; THFA. Solvent for vinyl resins, dyes for leather, chlorinated rubber, cellulose esters, coupling agent, solvent-softener for nylon. Liquid; mp <-80°; bp = 178°; d^{20} = 1.0524; miscible with H_2O, freely soluble in EtOH, Me_2CO. *Lancaster Synthesis Co.; Penta Mfg.; QO.*

3720 Tetrahydrofurfuryl methacrylate

2455-24-5 G



$C_9H_{14}O_3$

Methacrylic acid tetrahydrofurfuryl ester.

Ageflex THFMA; AI3-08497; EINECS 219-529-5; HSDB 5461; Methacrylic acid tetrahydrofurfuryl ester; NSC 32634; 2-Propenoic acid, 2-methyl-, (tetrahydro-2-furanyl)methyl ester; Sartomer SR 203; SR 203; Tetrahydrofurfuryl methacrylate; THFMA. Used to produce anaerobic adhesives and sealants, printed circuit boards, artificial finger nails, modifier for hard rubber rolls, wire and cable

coatings, screen printing inks, emulsion polymerization, plastic modifier, EB-curable coatings. Often stabilized with 4-methoxyphenol/-hydroquinone. Liquid; bp = 265°, bp_4 = 83-84°; d= 1.040. *Rit-Chem; Sartomer.*

3721 Tetrahydromethylphthalic anhydride

11070-44-3 H

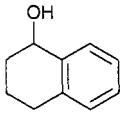
$C_9H_{10}O_3$

Tetrahydromethyl-1,3-isobenzofurandione.

EINECS 234-290-7; 1,3-Isobenzofurandione, tetrahydromethyl-; Tetrahydromethylphthalic anhydride.

3722 Tetrahydro-1-naphthol

529-33-9 H



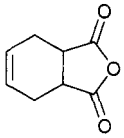
$C_{10}H_{12}O$

1,2,3,4-Tetrahydro-1-naphthol.

3-06-00-02457 (Beilstein Handbook Reference); AI3-07039; BRN 2046227; EINECS 208-459-0; 1-Hydroxy-tetralin; 1-Naphthalenol, 1,2,3,4-tetrahydro-; 1-Naphthol, 1,2,3,4-tetrahydro-; NSC 5172; Tetrahydro-1-naphthol; 1,2,3,4-Tetrahydro-α-naphthol; 1,2,3,4-Tetrahydro-1-naphthol; 1,2,3,4-Tetrahydronaphthalen-1-ol; α-Tetralol; Tetralin-1-ol; 1-Tetralol. Crystals; mp = 34.5°; bp = 255°, bp_2 = 103°; d^{20} = 1.0996; λ_m = 265, 272 nm (ε = 464, 488, MeOH).

3723 Tetrahydrophthalic anhydride

85-43-8 H



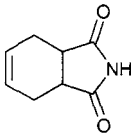
$C_8H_8O_3$

4-Cyclohexene-1,2-dicarboxylic anhydride.

5-17-11-00134 (Beilstein Handbook Reference); AI3-22626; Anhydrid kyseliny tetrahydroftalove; BRN 0082340; Butadiene-maleic anhydride adduct; EINECS 201-605-4; HSDB 846; Maleic anhydride adduct of butadiene; NSC 82642; Phthalic anhydride, 1,2,3,6-tetrahydro-; Rikacid TH; Tetrahydroftalanhydrid; Tetrahydrophthalic acid anhydride; Tetrahydrophthalic anhydride; THPA.

3724 Tetrahydrophthalimide

85-40-5 H



$C_8H_9NO_2$

4-Cyclohexene-1,2-dicarboximide.

5-21-10-00130 (Beilstein Handbook Reference); BRN 0128764; CCRIS 3648; EINECS 201-602-8; HSDB 5006; Isoindole-1,3-dione, 3a,4,7,7a-tetrahydro-; NSC 59011; Tetrahydrophthalic acid imide; Tetrahydrophthalimide. Used in manufacture of pesticides Captan and Captafol. *Allchem Ind.*

3725 Tetrahydrothiophene

110-01-0 9291 G

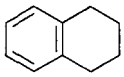
C_4H_8S

Thiophane.

AI3-30989; EINECS 203-728-9; HSDB 6122; NSC 5272; Pennodorant 1013; Pennodorant 1073; Tetrahydro-thiofen; Tetrahydrothiophen; Tetrahydrothiophene; Tetra-methylene sulfide; Thiacyclopentane; Thilane; Thio-fan; Thiolane; Thiophane; Thiophene, tetrahydro-; THT; UN2412. Solvent, intermediate and odorant used in fuel gases. Liquid; mp = -96.1°; bp = 121°; d^{20} = 0.9987; λ_m = 210 nm (ε = 1000, EtOH); insoluble in H_2O, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6; LC_{50} (mus inh) = 27 mg/l. *Elf Atochem N. Am.*

3726 Tetralin

119-64-2 9294 G H



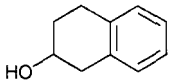
$C_{10}H_{12}$

1,2,3,4-Tetrahydronaphthalene.

AI3-01257; Bacticin; Benzocyclohexane; Caswell No. 842A; CCRIS 3564; EINECS 204-340-2; EPA Pesticide Chemical Code 055901; HSDB 127; Naphthalene, 1,2,3,4-tetrahydro-; NSC 77451; Tetrahydronaphthalene; 1,2,3,4-Tetrahydronaphthalene; Tetralin; Tetralina; Tetra-line; Tetranap. Chemical intermediate, solvent for greases, fats, oils, waxes; substitute for turpentine. Liquid; mp = -35.7°; bp = 207.6°; d^{25} = 0.9660; λ_m = 267, 274 nm (ε = 550, 603, EtOH); insoluble in H_2O, soluble in $CHCl_3$, very soluble in EtOH, Et_2O. *Degussa-Hüls Corp.; DuPont.*

3727 Tetralol

530-91-6 9295 G



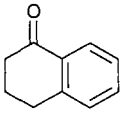
$C_{10}H_{12}O$

1,2,3,4-Tetrahydro-2-naphthalenol.

3-06-00-02460 (Beilstein Handbook Reference); Ac-tetrahydro-β-naphthol; AI3-05563; BRN 2046968; EINECS 208-497-8; HSDB 5679; 2-Hydroxytetralin; 2-Hydroxytetraline; 2-Naphthalenol, 1,2,3,4-tetrahydro-; 2-Naphthol, 1,2,3,4-tetrahydro-; NSC 44875; Tetrahydronaphthol-2; 1,2,3,4-Tetrahydro-2-naphthol; 1,2,3,4-Tetrahydronaphthalen-2-ol; 2-Tetralinol; Tetralol; β-Tetralol. Used as an antiseptic. Crystals; mp = 15.5°; bp_{12} = 140°; LD_{50} (rat orl) = 1.0 ml/kg.

3728 1-Tetralone

529-34-0 H



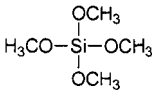
$C_{10}H_{10}O$

1,2,3,4-Tetrahydronaphthalen-1-one.

4-07-00-01015 (Beilstein Handbook Reference); AI3-19569; BRN 0607374; 3,4-Dihydro-1(2H)-naphthal-enone; 3,4-Dihydro-2H-naphthalen-1-one; EINECS 208-460-6; HSDB 5678; 1(2H)-Naphthalenone, 3,4-dihydro-; NSC 5171; 1-Oxotetralin; 1,2,3,4-Tetrahydronaphthalen-1-one; α-Tetralone; 1-Tetralone. Liquid; mp = 8°; bp6 = 115°; d^{16} = 1.0988; λ_m = 206, 249, 292 nm (ε = 26000, 12000, 1800, EtOH).

3729 Tetramethoxysilane

681-84-5 H



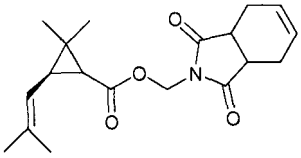
$C_4H_{12}O_4Si$

Silicic acid, tetramethyl ester.

AI3-11596; EINECS 211-656-4; HSDB 5511; Methyl orthosilicate; Methyl silicate ($(CH_3)_4SiO_4$); Methyl silicate, ($(MeO)_4Si$); Methyl silicate 28; Methyl silicate 39; MSP 150; NSC 67383; Silane, tetramethoxy-; Silicic acid (H_4SiO_4), tetramethyl ester; Silicic acid, methyl ester of ortho-; Silicic acid, tetramethyl ester; SIT 7510.0; *Tetra-methyl orthosilicate*; Tetramethoxysilane; Tetramethyl-silikat; TL 190; TMOS; TSL 8114; UN2606. Liquid; mp = -1.0°; bp = 121°; d^{20} = 1.0232; very soluble in EtOH.

3730 Tetramethrin

7696-12-0 9296 G P



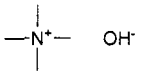
$C_{19}H_{25}NO_4$

2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarb-oxylic acid (1,3,4,5,6,7-hexa-hydro-1,3-dioxo-2H-iso-indol-2-yl)methyl ester.

AI3-27339; Bioneopynamin; Caswell No. 844; CCRIS 3284; (1-Cyclohexane-1,2-dicarboximido)methyl chrys-anthemumate; Cyclohex-1-ene-1,2-dicarboximidomethyl (±)-cis-trans-chrysanthemate; Cyclohex-1-ene-1,2-dicarb-oximidomethyl (1RS)-cis,trans-2,2-dimethyl-3-(2-methyl-prop-1-enyl)cyclopropane carboxylate; (1-Cyclohexene-1,2-dicarboximido)methyl-2,2-dimethyl-3-(2-methyl-propenyl)cyclopropanecarboxylate; Cyclopropanecarb-oxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-,(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)-methyl ester; 2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclo-propanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-di-oxo-2H-isoindol-2-yl)methyl ester; 2,2-Dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylic acid ester with N-(hydroxymethyl)-1-cyclohexene-1,2-dicarboximide; EINECS 231-711-6; ENT 27339; EPA Pesticide Chemical Code 069003; FMC-9260; (1,3,4,5,6,7-Hexahydro-1,3-dioxo-2H-isoindol-2-yl) methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate; HSDB 6738; Insec-tol; Killgerm® Py-Kill W; Multicide; N-(3,4,5,6-Tetra-hydrophthalimide)methyl-cis,trans-chrysanthemate; N-(3,4,5,6-Tetrahydrophthalimido)-methyl dl-cis-trans-chrysanthemate; N-(Chrysanthemoxymethyl)-1-cyclohex-ene-1,2-dicarboximide; Neo-pynamin; Neopinamin; Neopynamin forte; NIA-9260; Niagara nia-9260; NSC 190939; Phthalthrin; d-Phthalthrin; Py-kill; SP-1103; SP 1103 forte; Sumitomo SP-1103; Tetralate; 2,3,4,5-Tetrahydrophthalimidomethylchrysanthemate; 3,4,5,6-Tetrahydro-phthalimidomethylester der dl-cis-trans-chrysanthemumsaeure; 3,4,5,6-Tetrahydrophthalimido-methyl (±)-cis-trans-chrysanthemate; 3,4,5,6-Tetrahydro-phthalimidomethyl cis and trans dl chrysanth-emummonocarboxylic acid; Tetramethrin; d-Tetra-methrin; Tetramethrine; Tetramethrinum; Tetrametrina; Weo-Pynamin;. Non-systemic insecticide with rapid knockdown. Used in combination with synergists such as piperonyl butoxide for control of flies, cockroaches, mosquitoes, wasps and other insect pests. Used for control of files in livestock houses. Registered by EPA as an insecticide. Liquid; mp = 65-80°; d_{20}^{20} = 1.108; poorly soluble in H_2O (0.00046 g/100 ml), very soluble in organic solvents; LD_{50} (mus orl) = 1000 mg/kg. *Killgerm Chemicals Ltd.*

3731 Tetramethylammonium hydroxide

75-59-2 9297 G



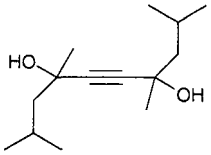
$C_4H_{13}NO$

N,N,N-trimethylmethanaminium hydroxide.

Ammonium, tetramethyl-, hydroxide; EINECS 200-882-9; Hydroxyde de tetramethylammonium; Methanaminium, N,N,N-trimethyl-, hydroxide; NMD 3; NMW-W; Tetramethylammonium hydroxide; TMAH; UN1835. Usually marketed as a 10% aqueous solution. d^{25}_4 = 1.00. [Pentahydrate]; crystals; mp = 63°. *Fluka; Janssen Chimica; Sigma-Aldrich Fine Chem.*

3732 Tetramethyl decynediol

126-86-3 G H



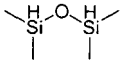
$C_{14}H_{26}O_2$

2,4,7,9-Tetramethyl-5-decyne-4,7-diol.

AI3-07159; EINECS 204-809-1; HSDB 5612; NSC 5630; Surfynol® 104; Surfynol® 104A; Surfynol® 104E; Syrfynol® 104; Tetramethyl decynediol. Defoamer and dye dispersant in paints, inks, dyestuffs, pesticides; surfactant in rinse aids; substrate pigment wetting agent for industrial coatings and adhesives; wetting agent for industrial cleaners; viscosity reducer for vinyl dispersions. Used with ethylene glycol as a wetting agent, defoamer, dispersant, viscosity stabilizer. Solid; mp = 40-42°; bp = 254-255°. *Air Products & Chemicals Inc.*

3733 Tetramethyldisiloxane

3277-26-7 G



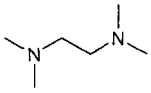
$C_4H_{14}OSi_2$

Bis(dimethylsilyl) ether.

Bis(dimethylsilyl) oxide; CT2030; 1,3-Dihydrotetra-methyldisiloxane; Dimethylsilyl ether; Disiloxane, 1,1,3,3-tetramethyl-; EINECS 221-906-4; NSC 155369; Tetramethyldisiloxane; 1,1,3,3-Tetramethyldisiloxane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 71°; d = 0.7600; LD_{50} (mus orl) = 3 g/kg. *Degussa-Hüls Corp.*

3734 Tetramethyl-1,2-ethanediamine

110-18-9 H



$C_6H_{16}N_2$

N,N,N',N'-Tetramethyl-1,2-ethanediamine.

AI3-26631; 1,2-Bis-(dimethylamino)ethane; CCRIS 4870; Dimethyl(2-(dimethylamino)ethyl)amine; EINECS 203-744-6; 1,2-Ethanediamine, N,N,N',N'-tetramethyl-; Ethylenediamine, N,N,N',N'-tetramethyl-; HSDB 5396; Propamine D; Temed; Tetrameen; Tetramethyldiamino-ethane; N,N,N',N'-Tetramethyl-1,2-ethanediamine; Tetra-methyl ethylene diamine; N,N,N',N'-Tetramethyl-ethylenediamine; TMEDA; UN2372. A liquid catalyst miscible with both water and organic liquids. Liquid; mp = -55°; bp = 121°; d^{25} = 0.77; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 1020 mg/kg. *Harcros.*

3735 Tetramethylsilane

75-76-3 G H

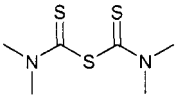
$C_4H_{12}Si$

Silicon, tetramethyl-.

CT2050; EINECS 200-899-1; NSC 5210; Silane, tetramethyl-; Silicon, tetramethyl-; Tetramethyl silane; Tetramethylsilane; Tetramethylsilicane; UN2749. Coup-ling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -99°; bp = 26.6°; d^{19} = 0.648; insoluble in H_2O, soluble in organic solvents. *Degussa-Hüls Corp.*

3736 Tetramethylthiuram monosulfide

97-74-5 G H



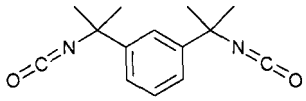
$C_6H_{12}N_2S_3$

Thiodicarbonic diamide ([(H2N)C(S)]2S), tetramethyl-.

4-04-00-00238 (Beilstein Handbook Reference); Aceto TMTM; AI3-00984; Ancazide IS; Bis(dimethylthiocarb-amoyl)sulfide; BRN 1775650; CP 2113; Cyuram MS; EINECS 202-605-7; Ekagom TM; Formamide, 1,1'-thiobis(N,N-dimethylthio-; HSDB 2902; Monex; Mono-thiurad; Monosulfure de tetramethylthiurame; Mono-thiuram; NSC 3400; Pennac MS; Perkacit® TMTM; Sulfide, bis(dimethylthiocarbamoyl); Tetramethylthiuram monosulfide; Tetramethylthiuram monosulphide; Thiodi-carbonic diamide (((H2N)C(S))2S), tetramethyl-; Thiuram MM; Thiuram monosulfide, tetramethyl-; TMTM; TMTMS; Unads®; USAF B-32; USAF EK-P-6255; Vulkacit MS; Vulkacit thiuram MS/C; Vulkacit Thiuram MS; Vulcaid 222. An accelerator and activator for natural rubber nitrile-butadiene, and butyl rubber. A nonstaining and nondiscoloring delayed action accelerator; has a short sharp curing range with normal to high sulfur in natural rubber; used in natural, SBR, butyl, nitrile and neoprene rubbers for wire insulation, druggist sundries, mechanicals, sponges. Used alone or in combination in NR, SBR, NBR, butyl rubber, neoprene, and reclaim rubber. Crystals; mp = 109.5°; d^{25} = 1.37; λ_m = 279 nm (ε = 16218, MeOH); insoluble in H_2O, poorly soluble in Et_2O, soluble in EtOH, Me_2CO, C_6H_6, $CHCl_3$. *Akrochem Chem. Co.; Akzo Chemie; Uniroyal; Vanderbilt R.T. Co. Inc.*

3737 m-Tetramethylxylene diisocyanate

2778-42-9 H



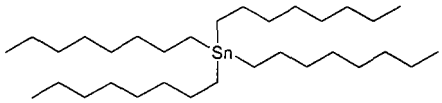
$C_{14}H_{16}N_2O_2$

1,3-Bis(1-isocyanato-1-methylethyl)benzene.

Benzene, 1,3-bis(1-isocyanato-1-methylethyl)-; BRN 2811946; EINECS 220-474-4; Isocyanic acid, α,α,α',α'-tetramethyl-m-xylylene; Isocyanic acid, m-phenylene-diisopropylidene ester; m-Tetramethylxylene diisocyan-ate; m-TMXDI; Tetramethyl-m-xylylene diisocyanate.

3738 Tetraoctylstannane

3590-84-9 H



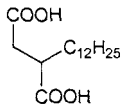
$C_{32}H_{68}Sn$

Tetra-n-octylstannane.

4-04-00-04314 (Beilstein Handbook Reference); BRN 3907209; EINECS 222-733-7; NSC 65527; Stannane, tetraoctyl-; Tetraoctylstannane; Tetra-n-octylstannane; Tetraoctyltin; Tetra-n-octyltin; Tin, tetraoctyl-.

3739 Tetrapropenylsuccinic acid

27859-58-1 H



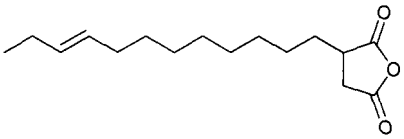
$C_{16}H_{28}O_4$

Butanedioic acid, (tetrapropenyl)-.

Butanedioic acid, (tetrapropenyl)-; EINECS 248-698-8; Succinic acid, (tetrapropenyl)-; (Tetrapropenyl)butane-dioic acid; (Tetrapropenyl)succinic acid.

3740 Tetrapropenylsuccinic anhydride

26544-38-7 H



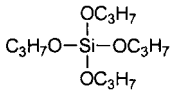
$C_{16}H_{26}O_3$

Dihydro-3-(tetrapropenyl)furan-2,5-dione.

AI3-28007; Dihydro-3-(tetrapropenyl)-2,5-furandione; Di-hydro-3-(tetrapropenyl)furan-2,5-dione; DSA; DSA (cross-linking agent); EINECS 247-781-6; 2,5-Furandione, di-hydro-3,3,4,4-tetra-1-propenyl-; 2,5-Furandione, dihydro-3-(tetrapropenyl)-; RD 174; Succinic anhydride, (tetra-propenyl)-; Tetrapropenylsuccinic anhydride.

3741 Tetrapropoxysilane

682-01-9 G



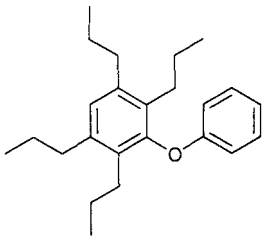
$C_{12}H_{28}O_4Si$

Tetra-n-propoxysilane.

CT2090; EINECS 211-659-0; Silicic acid (H_4SiO_4), tetrapropyl ester; Tetrapropyl orthosilicate; Tetrapropyl silicate. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 226°, bp_5 = 94°; d^{20} = 0.9158; soluble in CCl_4, CS_2. *Degussa-Hüls Corp.*

3742 Tetrapropylenephenyl phenyl ether

68938-96-5 H



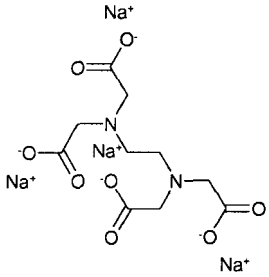
$C_{24}H_{34}O$

Benzene, phenoxytetrapropylene-.

Benzene, phenoxytetrapropylene-; EINECS 273-153-6; Phenoxytetrapropylenebenzene; Tetrapropylenephenyl phenyl ether.

3743 Tetrasodium edetate

64-02-8 3544 G P



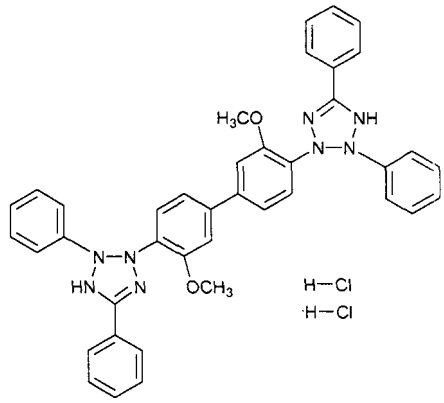
$C_{10}H_{12}N_2Na_4O_8$

Tetrasodium ethylenediaminetetraacetate.

AI3-17182; Aquamoline BC; Aquamollin; Calsol; Caswell No. 846; CCRIS 6797; Celon E; Celon H; Celon IS; Cheelox BF; Cheelox BF-12; Cheelox BF-13; Cheelox BF-78; Cheelox BR-33; Chelest 400; Chelon 100; Chemcolox 200; Chemcolox 240 powder; Clewat S 2; Clewat T; Complexone; Conigon BC; Distol; Distol 8; Edathanil tetrasodium; Edetate Sodium; Edetic acid tetrasodium salt; EDTA sodium; EDTA, tetrasodium; EINECS 200-573-9; Endrate tetrasodium; EPA Pesticide Chemical Code 039107; Ergon; Ergon B; Hamp-ene 100; Hamp-ene 100S; Hamp-ene 215; Hamp-ene 220; Hamp-ene Na4; HSDB 5003; Irgalon; Kalex; Kemplex 100; Komplexon; Kutrilon CS; Metaquest C; Na4EDTA; Natrii edetas; Natrium aedeticum; Nervanaid B; Nervanaid B liquid; Nullapon; Nullapon B; Nullapon BF-12; Nullapon BF-78; Nullapon BFC; Nullapon BFC Liquid; Nullapon BFC Xonc Beads; Nullapon BFC Xonc; Perma-kleer 100; Perma kleer 50 crystals; Perma kleer tetra CP; Questex; Questex 4; Sequestrene; Sequestrene 30A; Sequestrene Na 4; Sequestrene ST; Sodium (edetate de); Sodium edetate; Sodium EDTA; Syntes 12A; Syntron B; Tetracemate tetrasodium; Tetracemin; Tetranatrium ethylendiamin-tetraacetat; Tetrasodium (ethylenedinitrilo)tetraacetate; Tetrasodium edetate; Tetrasodium EDTA; Tetrine; Trilon B; TST; Tyclarosol; Versene; Versene 67; Versene 100; Versene 220; Versene beads; Versene FE 3; Versene flake; Versene powder; Versene powder tetra sodium; Warkeelate PS-42; Warkeelate PS-43; Warkeelate PS-47; Warkeelate S-42. A general purpose chelating agent; complexes Ca, Mg and other common metals over wide pH range; usec in pulp/paper processing. Complexes most common metals over pH range, iron at acidic pH; chelating agents used in soaps, detergents, water treatment, metal finishing and plating, synthesis of polymers and photographic products. Registered by EPA as an antimicrobial, fungicide, herbicide and insecticide. FDA approved for IM, IV injectables, inhalants, ophthalmics, orals, topicals. Used in iv, im injectables as a chelating agent, used in inhalants, ophthalmics, orals, topicals and drug stabilization, treatment of heavy metal poisoning. Solid; mp > 300°; soluble in H_2O (103 g/100 ml), pH ■ 11.3; slightly soluble in EtOH. LD_{50} (mus ip) = 330 mg/kg. *ABC Compounding Co.; Akzo Nobel; Biosentry, Inc.; Champion Chemical Co.; Chardon Laboratories, Inc; Chemplex; Complex Quimica SA; Edsan Chemical Co.; GFS; Great Western; Hampshire; J.I. Holcomb Manufacturing Co.; PET Chemicals; Pioneer Chemical Co.; Rhône-Poulenc; Spectrum Chem. Manufacturing; Unit Chemical Corp; Universal Laboratories.*

3744 Tetrazolium chloride

1871-22-3 9316 G



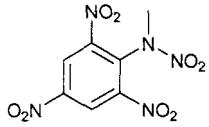
$C_{40}H_{36}Cl_2N_8O_2$

2,4,5-Triphenyltetrazolium chloride.

AI3-50892; 4-Anisyltetrazolium blue; Blue tetrazolium; Blue tetrazolium chloride; BT (VAN); 3,3'-Dianisole-bis(4,4'-(3,5-diphenyl)tetrazoliumchloride); 3,3'-(3,3'-Di-methoxy-4,4'-biphenylene)bis(2,5-diphenyl-2H-tetra-zolium) chloride; Dimethoxy neotetrazolium; Ditetra-zolium chloride; EINECS 217-488-8; NSC 27623; Tetra-zolium blue; 2H-Tetrazolium, 2,2'-(3,3'-dimethoxy(1,1'-biphenyl)-4,4'-diyl)bis(3,5-diphenyl-, dichloride; TTC; 3,3'-(3,3'-Dimethoxy-4,4'-biphenylene)bis(2,5-diphenyl-2H-tetrazolium chloride); BT; Blue Tetrazolium chloride. Used in germination and viability testing of seeds. Also used as a stain for bacteria and molds and to detect redox enzymes in cells. Yellow crystals; mp = 242-245° (dec); slightly soluble in H_2O, soluble in MeOH, EtOH, $CHCl_3$, insoluble in non-polar organic solvents. *Dajac Labs.; U.S. BioChem.*

3745 Tetryl

479-45-8 6602 G



$C_7H_5N_5O_8$

N-Methyl-N,2,4,6-tetranitrobenzenamine.

4-16-00-00895 (Beilstein Handbook Reference); Aniline, N-methyl-N,2,4,6-tetranitro-; Benzenamine, N-methyl-N,2,4,6-tetranitro-; BRN 0964788; CCRIS 3143; CE; EINECS 207-531-9; HSDB 2857; N-Methyl-N-picryl-nitramine; N-Methyl-N,2,4,6-tetranitroaniline; N-Methyl-N-2,4,6-tetranitrobenzenamine; Nitramine; NSC 2166; Picrylmethylnitramine; N-Picryl-N-methylnitramine; Picrylnitromethylamine; Tetralite; Tetril; Tetryl; 2,4,6-Tetryl; Trinitrophenylmethylnitramine; 2,4,6-Trinitrophenyl-methylnitramine; 2,4,6-(Trinitrophenyl)methylnitroamine; 2,4,6-Trinitrophenyl-N-methylnitramine; UN0208. Used in explosives; a detonator known as tetryl contains 0.4 gram tetranitrophenylmethylnitramine, and 0.3 gram of a mixture of 87.5% mercury fulminate and 12.5% potassium chlorate. Also used as an acid-base indicator. mp = 131.5°, explodes at 180°; d^{10} = 1.57; λ_m = 224 nm (ε = 22800, MeOH); insoluble in H_2O, CS_2, slightly soluble in EtOH, $CHCl_3$, Et_2O, soluble in Me_2CO, C_6H_6, C_5H_5N.

3746 Thallium

7440-28-0 9327 G

Tl

Tl

Thallium.

EINECS 231-138-1; HSDB 4496; Ramor; Thallium; Thallium, elemental; Thallium, metallic. Metallic elem-ent; thallium salts, mercury alloys, low-melting glasses, rodenticides, photoelectric applications, electrodes in dissolved oxygen analyzers. mp = 303°; bp = 1457°; d = 11.85. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

3747 Thallium chloride

7791-12-0 9331 G

Tl—Cl

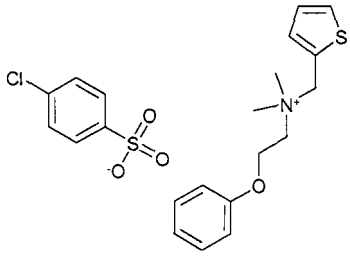
ClTl

Thallium(I) chloride-^{201}Tl.

EINECS 232-241-4; HSDB 6066; NSC 15197; RCRA waste number U216; Thallium chloride; Thallium chloride (TlCl); Thallium monochloride; Thallium(1+) chloride; Thallium(I) chloride; Thallous chloride. Radioactive agent used as a diagnostic aid. Crystals; mp = 430°; bp = 720°; d = 7.0; soluble in H_2O (4 mg/ml), insoluble in EtOH. *Amersham Corp.*

3748 Thenium closylate

4304-40-9 9349 G V



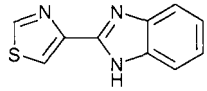
$C_{21}H_{24}ClNO_4S_2$

N,N-Dimethyl-N-(2-phenoxyethyl)-2-thiophenmethanaminium salt with 4-chlorobenzene-sulfonic acid (1:1).

611 C 65; Ammonium, dimethyl(2-phenoxyethyl)-2-the-nyl-, salt with p-chlorobenzenesulfonic acid (1:1); Bancaris; Canopar; Closilate de thenium; Closilato de tenio; Dimethyl(2-phenoxyethyl)-2-thenylammonium p-chlorobenzenesulfonate; Dimethyl(2-phenoxyethyl)-2-thenylammonium closylate; N,N-Dimethyl-N-(2-phen-oxyethyl)-N-(2-thenyl)ammonium 4-chlorbenzol-sulfonat; EINECS 224-318-6; NSC 106569; Theni closylas; Thenii closilas; Thenium closilate; Thenium closylate; Thenium p-chlorobenzenesulfonate; 2-Thiophenemethanaminium, N,N-dimethyl-N-(2-phenoxyethyl)-, 4-chlorobenzenesulf-onic acid. Used in veterinary medicine as an anthelmintic. Crystals; mp = 159-160°; soluble in H_2O (0.6 g/100 ml at 20°). *Burroughs Wellcome Inc.*

3749 Thiabendazole

148-79-8 9360 D G



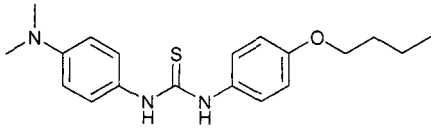
$C_{10}H_7N_3S$

1H-Benzimidazole, 2-(4-thiazolyl)-.

AI3-50598; APL-luster; Benzimidazole, 2-(4-thiazolyl)-; 1H-Benzimidazole, 2-(4-thiazolyl)-; 4-(2-Benzimid-azolyl)thiazole; Biogard; Bioguard; Bovizole; BRN 0611403; Captan T; Caswell No. 849A; CCRIS 4510; Chemviron TK 100; Cropasal; E-Z-Ex; EINECS 205-725-8; EPA Pesticide Chemical Code 060101; Eprofil; Equizole; Equizole A; G 491; Helmindrax octelmin; Hokustar HP; HSDB 2027; Lombristop; Mertec; Mertect; Mertect 160; Metasol TK-100; Mintesol; Mintezol; Mintezole; Minzolum; MK 360; Mycozol; Nemapan; NSC 525040; Omnizole; Ormogal; Pitrizet; Polival; Rival; RPH; RTU Flowable Fungicide; Sanaizol 100; Sistesan; Storite; Syntol M100; Tbdz; TBZ; TBZ-6; TBZ 60W; Tebuzate; Tecto; Tecto 10P; Tecto 40F; Tecto 60; Tecto RPH; Testo; Thiaben; Thiabendazol; Thiabendazole; Thiabendazo-lum; Thiabenzole; 2-Thiazole-4-ylbenzimidazole; 2-(1,3-Thiazol-4-yl)benzimidazole; 2-(4-Thiazolyl)-1H-benz-imidazole; 2-(4-Thiazolyl)benzimidazole; Thibenzol; Thibenzole; Thibenzole 200; Thibenzole ATT; Thiprazole; Tiabenda; Tiabendazol; Tiabendazole; Tiabendazolum; Tobaz; Top form wormer; Tresaderm; Triasox. Systemic fungicide with protective and curative action. Absorbed by leaves and roots; used for control of fungus in fruits, vegetables and cereals. Crystals; mp ▪ 300° (dec); sublimes 305°; soluble in H_2O (250 mg/l at pH 2-5), more soluble in organic solvents; LD_{50} (rat orl) = 2080 mg/kg, 3300 mg/kg. *Agrichem (International) Ltd.; BASF Corp.; Ciba Geigy Agrochemicals; DowElanco Ltd.; MSD Agvet; Pennwalt Corp.*

3750 Thiambutosine

500-89-0 G



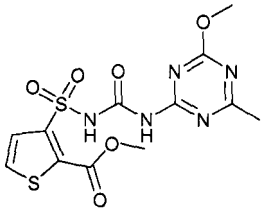
$C_{19}H_{25}N_3OS$

Thiourea, N-(4-butoxyphenyl)-N'-[4-(dimethylamino)-phenyl]-.

4-13-00-01179 (Beilstein Handbook Reference); BRN 2819159; 4-Butoxy-4'-(dimethylamino)thiocarbanilide; 1-(p-Butoxyphenyl)-3-(p-dimethylaminophenyl)-2-thiourea; Carbanilide, 4-butoxy-4'-(dimethylamino)thio-; Ciba 1906; EINECS 207-914-0; NSC 682; SU 1906; Summit 1906; Thiambutosine; Thiambutosinum; Thiourea, N-(4-butoxyphenyl)-N'-(4-(dimethylamino)phenyl)-; Tiambutosina. A proprietary preparation containing thiambutosine, a leprostatic agent.

3751 Thifensulfuron methyl

79277-27-3 9387 G P



$C_{12}H_{13}N_5O_6S_2$

3-[[[[(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylic acid methyl ester.

Caswell No. 573S; DPX-M 6316; DPX-M6316; EPA Pesticide Chemical Code 128845; Harmony; Harmony Extra; INM 6316; 3-(((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl)amino)sulfonyl)-, methyl ester; 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carb-onyl]amino]sulfonyl]-2-thiophenecarboxylic acid methyl ester; Methyl 3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)-2-thenoate; methyl 3-(((((4-meth-oxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl)-amino)-sulfonyl)-2-thiophenecarboxylate; Pinnacle; Refine; Thifensulfuron Me; Thiameturon-methyl; Thia-meturon methyl ester; Thiophenecarboxylic acid; 2-Thio-phenecarboxylic acid,3-(((((4-methoxy-6-methyl-1,3,5-tri-azin-2-yl)amino)carbonyl)amino)sulfonyl)-, methyl ester. Used to control annual dicotyledons in cereals.Registered by EPA as a herbicide. Colorless, odorless crystals; mp = 186°; sg = 1.49; soluble in H_2O (0.0024 g/100 ml at pH 4, 0.026 g/100 at pH5, 0.24 g/100 ml at pH 6), C_6H_{14} (< 0.01 g/100 ml), EtOH (0.09 g/100 ml), xylene (0.02 g/100 ml), MeOH (0.26 g/100 ml), EtOAc (0.26 g/100 ml), CH_3CN (0.73 g/100 ml), Me_2CO (1.19 g/100 ml), CH_2Cl_2 (2.25 g/100 ml); LD_{50} (rat orl) > 5000 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) > 2510 mg/kg, (bee topical) = 0.0125 mg/bee; LC_{50} (rat ihl) > 7.9 mg/l air, (rat dietary 90 day) > 100 mg/kg diet, (mallard duck, Japanese quail 8 day dietary) > 5620 mg/kg diet, (rainbow trout, bluegill sunfish 96 hr.) > 100 mg/l, (*Daphnia* 48 hr.) = 1000 mg/l. *DuPont; E. I. DuPont de Nemours Inc.*

3752 Thioacetamide

62-55-5 9391 G

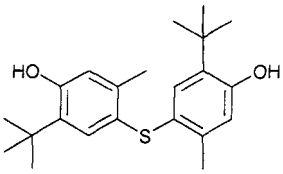
C_2H_5NS

Ethanethioamide.

Acetamide, thio-; Acetic acid, thiono-, amide; Acetimidic acid, thio-; Acetothioamide; AI3-17220; CCRIS 584; EINECS 200-541-4; HSDB 1318; NSC 2120; RCRA waste number U218; TAA; Thiacetamide; Thioacetamide; Thioacetimidic acid; USAF CB-21; USAF EK-1719. Replacement for gaseous hydrogen sulfide in qualitative analysis. Crystals; mp = 115.5°; λ_m = 210 nm (ε 3700), 265 nm (ε 11000); very soluble in H_2O (16.3 g/100 ml), EtOH (26.4 g/100 ml), less soluble in Et_2O, C_6H_6. DMSO; MLD (rat orl) = 200 mg/kg. *Aceto Corp.; Burlington Scientific Corp.; Lancaster Synthesis Co.; Lombart Lenses Ltd. Inc.; Mallinckrodt Inc.; Penta Mfg.*

3753 4,4'-Thiobis(6-tert-butyl-3-cresol)

96-69-5 G H



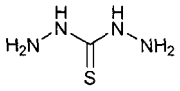
$C_{22}H_{30}O_2S$

Phenol, 4,4'-thiobis[2-(1,1-dimethylethyl)-5-methyl-.

4-06-00-06043 (Beilstein Handbook Reference); Antage Crystal; Antioxidant AO; Antioxidant TMB 6; Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; BRN 1147776; CCRIS 4917; Disperse MB-61; EINECS 202-525-2; HSDB 5304; Nocrac 300; Nonflex BPS; NSC 35388; Rutenol; Santonox; Santonox BM; Santonox R; Santowhite crystals; Santox; Sumilizer WX; Sumilizer WX-R; Thioalkofen BM 4; Thioalkofen BMCH; Thioalkofen MBCH; Thioalko-phene BM-4; Ultranox® 236; USAF B-15; Yoshinox S; Yoshinox SR. Antioxidant for use in adhesives, rubber articles for repeated use, polymers include polyolefins, PVC, acrylic ethyl cellulose; antioxidant for lubricants, cutting oils, water-sol. oils, hydraulic oils. Solid; mp = 161-164°; insoluble in H_2O. *GE Silicones.*

3754 Thiocarbohydrazide

2231-57-4 H



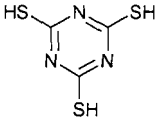
CH_6N_4S

1,3-Diamino-2-thiourea.

4-03-00-00388 (Beilstein Handbook Reference); AI3-52269; BRN 0506657; Carbohydrazide, thio-; Carbono-thioic dihydrazide; EINECS 218-769-8; HSDB 5869; Hydrazinecarbohydrazonothioic acid; NSC 689; TCH; Thiocarbazide; Thiocarbohydrazide; Thiocarbonic di-hydrazide; Thiocarbonohydrazide; USAF EK-7372. Needles or plates; mp ▫ 170° (dec): very soluble in H_2O.

3755 Thiocyanuric acid

638-16-4 G



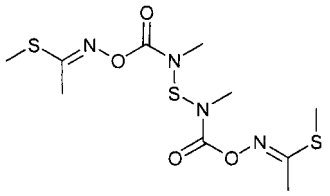
$C_3H_3N_3S_3$

2,4,6-Trimercapto-s-triazine.

AI3-61105; Cyanuric acid, trithio-; EINECS 211-322-8; NSC 62071; NSC 65480; 1,3,5-Triazine-2,4,6-trimercaptan; 2,4,6-Triazinetrithiol; s-Triazine-2,4,6-trithiol; 1,3,5-Triazine-2,4,6(1H,3H,5H)-trithione; s-Triazine-2,4,6(1H,3H,5H)-trithione; 1,3,5-Trimercaptotri-azine; 2,4,6-Trimercapto-1,3,5-triazine; 2,4,6-Trimercap-to-s-triazine; Trimercaptocyanuric acid; Trismercapto-triazine; Trithiocyanuric acid; USAF TH-3; Zisnet F-PT. Curing agent for epichlorohydrin rubber; used in place of ethylene thiourea and red lead; gives improved heat resistance, less mold fouling, reduced toxicity; oil treated to reduce dusting. Solid; mp > 300°. *Nippon Zeon.*

3756 Thiodicarb

59669-26-0 9403 P



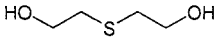
$C_{10}H_{18}N_4O_4S_3$

Dimethyl N,N'-(thiobis((methylimino)carbonyloxy))bis-(ethanimidothioate).

AI3-29311; Bismethomyl thioether; Bissulfide; BRN 2015026; Caswell No. 900AA; CGA 45156; Dicarbasulf; Dicarbosulf; Dimethyl N,N'-(thio-bis((methylimino)carb-onyloxy))bis(thioimidoacetate); Dimethyl-N,N'-(thiobis-(((methylimino)carbonyl)oxy))bis(ethanimidothioate); EINECS 261-848-7; EPA Pesticide Chemical Code 114501; Ethanimidothioic acid, N,N'-(thiobis-((methylimino)carbonyloxy))bis-, dimethyl ester; HSDB 6940; Larvin; Larvin thio dicarb insecticide ovicide; Lepicron; Liushuanwei; Nivral; N,N'-(Thiobis-((methyl-imino)carbonyloxy))bisethanimidothioic acid dimethyl ester; N,N'-Bis(1-methylthioacetaldehyde O-(N-methyl-carbamoyl)oxime)sulfide; RCRA waste no. U410; Semevin; 3,7,9,13-Tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetra-azapentadeca-3,12-diene-6,10-dione; Thiodicarb; UC 51762; UC 51769; UC 80502. Registered by EPA as an insecticide. Crystals; mp = 173 - 174°; sg^{20} = 1.4; soluble in H_2O (0.0035 g/100 ml), CH_2Cl_2 (20 g/100 ml), Me_2CO (0.63 g/100 ml), MeOH (0.4 g/100 ml), xylene (0.26 g/100 ml); LD_{50} (rat orl) = 66 mg/kg (in H_2O), 120 mg/kg (in corn oil), (dog orl) > 800 mg/kg, (mky orl) > 467 mg/kg, (rbt der) > 2000 mg/kg, (rat der) > 1600 mg/kg, (Japanese quail orl) = 2023 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.0015 - 0.0022 mg/l air, (bluegill sunfish 96 hr.) = 1.21 mg/l, (rainbow trout 96 hr.) = 2.55 mg/l, (*Daphnia magna* 48 hr.) = 0.053 mg/l; moderately toxic to bees. *Agriliance LLC; Aventis Crop Science; Rhône-Poulenc.*

3757 Thiodiglycol

111-48-8 9404 G H



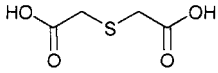
$C_4H_{10}O_2S$

Thiodiethylene glycol.

4-01-00-02437 (Beilstein Handbook Reference); AI3-05541; Bis(β-hydroxyethyl) sulfide; Bis(2-hydroxyethyl)-sulfide; Bis(2-hydroxyethyl) thioether; BRN 1236325; β,β'-Dihydroxydiethyl sulfide; *Di(2-hydroxyethyl)* sulfide; β,β'-Dihydroxyethyl sulfide; EINECS 203-874-3; Ethanol, 2,2'-thiobis-; Ethanol, 2,2'-thiodi-; Glyecine A; β-Hydroxyethyl sulfide; Kromfax solvent; NSC 6289; Sulfide, bis(2-hydroxyethyl); Tedegyl; 2,2'-Thiobisethanol; Thiodiethanol; 2,2'-Thiodiethanol; Thiodiethylene glycol; Thiodiglycol; 2,2'-Thiodiglycol; Thiodiglycolum; Tiodi-glicol; Tiodiglicolo. Intermediate for elastomers and antioxidants, solvent for dyes in textile printing. Liquid; mp = -10.2°; bp = 282°; d^{25} = 1.1793; slightly soluble in C_6H_6; soluble in Et_2O, freely *soluble in H_2O*, EtOH, $CHCl_3$, EtOAc. *Morton Intn'l.*

3758 Thiodiglycolic acid

123-93-3 9405 G



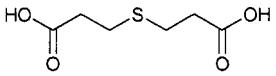
$C_4H_6O_4S$

2,2'-Thiodiacetic acid.

4-03-00-00612 (Beilstein Handbook Reference); A 6402; Acetic acid, 2,2'-thiobis-; Acetic acid, thiodi-; AI3-25085; BRN 1764392; (Carboxymethylthio)acetic acid; Dicarb-oxymethyl sulfide; Dimethylsulfide-α-α'-dicarboxylic acid; EINECS 204-663-9; HSDB 2707; Mercaptodiacetic acid; NSC 28743; TDGA; 2,2'-Thiobisacetic acid; Thiodi(acetic acid); Thiodiacetic acid; 2,2'-Thio-diethanoic acid; Thiodiglycolic acid; 2,2'-Thiodiglycolic acid; Thiodiglycollic acid; USAF CB-36; USAF E-2. Analytical reagent, used for detection of metals such as copper, lead, mercury and silver. White solid; mp = 129°; slightly soluble in H_2O, soluble in C_6H_6, very soluble in EtOH. *CK Witco Corp.*

3759 3,3'-Thiodipropionic acid

111-17-1 9406 G



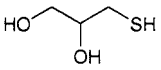
$C_6H_{10}O_4S$

3,3'-thiobis[propanoic acid].

AI3-25276; Bis(2-carboxyethyl) sulfide; CCRIS 3288; Diethyl sulfide 2,2'-dicarboxylic acid; EINECS 203-841-3; HSDB 858; Kyselina β,β'-thiodipropionova; Kyselina 3,3-thiodipropionova; NSC 8166; Propanoic acid, 3,3'-thiobis-; Propionic acid, 3,3'-thiodi-; Sulfide, bis(2-carboxyethyl); TDPA; 4-Thiaheptanedioic acid; Thia-hydracrylic acid; 3,3'-Thiobis(propanoic acid); 3,3'-Thio-dipropionic acid; Thiodihydracrylic acid; Thiodipropion-ic acid; Tyox A. Used as an antioxidant in food packaging, soaps, plasticizers, lubricants, fats, and oils. Crystalline white powder; mp = 129°; soluble in H_2O (37 g/l), very soluble in EtOH, Me_2CO. *CK Witco Corp.; Evans Chemetics; Janssen Chimica.*

3760 Thioglycerol

96-27-5 9409 G



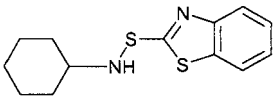
$C_3H_8O_2S$

Thioglycerin.

3-01-00-02339 (Beilstein Handbook Reference); AI3-25462; BRN 1732046; 2,3-Dihydroxypropanethiol; EINECS 202-495-0; Glycerol, 1-thio-; Glycerol-1-thiol; HSDB 2184; 1-Mercaptoglycerol; 1-Mercapto-2,3-prop-anedioi; 3-Mercapto-1,2-propanediole; 3-Mercaptoprop-ane-1,2-diol; Monothioglycerin; Monothioglycerol; NSC 5370; 1,2-Propanediol, 3-mercapto-; Thioglycerin; Thio-glycerine; 1-Thioglycerol; α-Thiolglycerol; 1-Thio-2,3-propanediol; Thiovanol®; USAF B-40; USAF CB-37. Stabilizer for acrylonitrile polymers; crosslinking agent for hard highgloss coatings; accelerator for epoxy-amine condensation reactions; reducing agent; used in hair waving and straightening, hair dyes, depilatories, textiles, furs, pharmaceuticals, Liquid; bp = 100-101°, bp_5 = 118°; d^{20} = 1.2455; very soluble in EtOH, Me_2CO, slightly soluble in H_2O, Et_2O, C_6H_6, $CHCl_3$, insoluble in Et_2O. *Evans Chemetics.*

3761 Thiohexam

95-33-0 G H



$C_{13}H_{16}N_2S_2$

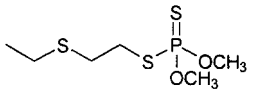
2-Benzothiazolesulfenamide, N-cyclohexyl-.

4-27-00-01867 (Beilstein Handbook Reference); Accelerator CZ; Accicure HBS; AI3-16782; Benzothiazyl-2-cyclohexylsulfenamide;

BRN 0192376; CBS; CBTS; CCRIS 4910; Conac A; Conac H; Conac S; Curax; Cyclohexyl benzothiazolesulfenamide; Delac S; Durax®; EINECS 202-411-2; Ekagom CBS; HSDB 2868; Nocceler CZ; NSC 4809; Pennac CBS; Perkacit® CBS; Rhodifax 16; Royal CBTS; Sanceler CM-PO; Santocure; Santocure Pellets; Santocure Powder; Santocure vulcanization accelerator; Soxinol CZ; Sulfenamide TS; Sulfenax; Sulfenax CB; Sulfenax CB 30; Sulfenax CB/K; Sulfenax TsB; Thiohexam; Thiohexam; Vulcafor CBS; Vulcafor HBS; Vulkacit® C; Vulkacit® CZ; Vulkacit® CZ/C; Vulkacit® CZ/EGC; Vulkacit® CZ/K; Vulkacit® DZ/EGC; Vulkacite CZ. Accelerator used in natural rubber and styrene-butadienethiazyl sulfenamide rubber. An all-purpose delayed action accelerator which combines superior scorch safety with shorter curing cycles; used in tire tread, carcass, camelback and mechanical goods. Used for tires, dynamically stressed technical goods, technical moldings and extrudates. Solid; mp = 93-100°; d = 1.27; insoluble in H_2O, soluble in C_6H_6, $CHCl_3$. *Akrochem Chem. Co.; Akzo Chemie; Bayer AG; Goodyear Tire & Rubber; Monsanto Co.; Uniroyal; Vanderbilt R.T. Co. Inc.*

3762 Thiometon

640-15-3 G P



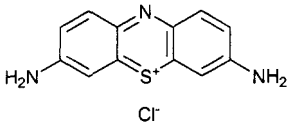
$C_6H_{15}O_2PS_3$

S-[2-(ethylthio)ethyl] O,O-dimethyl phosphorodithioate.

S-2-ethylthioethyl O,O-dimethyl phosphorodithioate; dithiometon; M-81; Bay 23129; Ekatin; Medrin; nimeton. Systemic insecticide and acaricide with contact and stomach action. Cholinesterase inhibitor, used for control of sucking insects in fruit and vegetable crops. Oil; $bp_{0.1}$ = 110°; d_{20} ◘ 1.209; soluble in H_2O (0.02 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl)= 125 mg/kg. *Sandoz.*

3763 Thionine

581-64-6 G



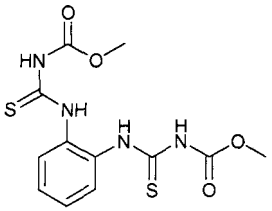
$C_{12}H_9ClN_3S$

3,7-Diaminophenazathionium chloride.

C.I. 52000; CCRIS 5616; Cyanine; 3,7-Diaminophen-azathionium chloride; 3,7-Diaminophenothiazin-5-ium chloride; EINECS 209-470-3; Katalysin; Lauth's Violet; Lauthsches violett; NSC 9591; NSC 56342; Phenothiazin-5-ium, 3,7-diamino-, chloride; Thionin; Thionine. Used as a microscopic stain.

3764 Thiophanate-methyl

23564-05-8 9427 G P



$C_{12}H_{14}N_4O_4S_2$

Dimethyl ester 4,4'-o-Phenylenebis(3-Thioallophanic) Acid.

3336WP; AI3-27905; Allophanic acid, 4,4'-o-phenyl-enebis[3-thio-, dimethyl ester; BAS 32500F; Bis(3-(methoxycarbonyl)-2-thioureido)benzene; 1,2-Bis(3-(methoxycarbonyl)-2-thioureido)benzene; 1,2-Bis(meth-oxycarbonylthioureido)benzene; BRN 0937942; Caligran; Carbamic acid, (1,2-phenylenebis(imino-carbonothioyl))-bis-, dimethyl ester; Caswell No. 375A; CCRIS 6101; Cercobin M; Cercobin M 70; Cercobin methyl; Cycosin; 1,2-Di-(3-methoxycarbonyl-2-thio-ureido)benzene; Dimethyl ((1,2-phenylene)bis-(iminocarbonothioyl))bis-(carbamate); Dimethyl 4,4'-o-phenylenebis(3-thio-allophanate); Dimethylbis; Ditek; Dragon Systemic Fungicide; Easout; EINECS 245-740-7; Enovit M; Enovit M 70; Enovit methyl; Enovit Super; Enovit-Supper; EPA Pesticide Chemical Code 102001; F 6385; Ferti-lome Halt Systemic; frumidor; Fungo; Fungo 50; Green Light Systemic Fungicide; HSDB 6937; Labilite; Methyl thiophanate; Methyl topsin; Methylthiofanate; Methylthiophanate; Metoben; Mildothane; Neotopsin; NF 44; NSC 170811; o-Bis(3-methoxycarbonyl-2-thioureido)benzene; PEI 190; PELT 14; PELT-44; (1,2-phenylenebis(iminocarbonothioyl))bis-(carbamate); 4,4'-o-phenylenebis(3-thioallophanic acid) dimethyl ester; RCRA waste no. U409; Rilon; SA Thiomyl Systemic Fungicide;; Sigma; Sipcaplant; Sipcasan; Sipcavit; Spot Kleen; TD 1771; Thiopan; Thiophanate; Thiophanate M; Thiophanate-Me; Thiophanate-methyl; THIOPHANNATE-METHYL; Tiofanate metile; Tops; Topsin M; Topsin M 70; Topsin Methyl; Topsin NF-44; Topsin turf and ornamentals; Topsin WP methyl; Trevin; Zyban. A broad-spectrum systemic fungicide and wound protectant which controls a variety of diseases for use on turf and ornamentals. Registered by EPA as a fungicide. Colorless prisms; mp = 172° (dec); poorly soluble in H_2O (0.0026 g/100 ml), soluble in MeOH (2.3 g/100 ml), Me_2CO (4.6 g/100 ml), $CHCl_3$ (3.8 g/100 ml), CH_3CN (1.9 g/100 ml), cyclohexanonoe (4.04 g/100 ml), EtOAc (1.08 g/100 ml); LD_{50} (mrat orl) ◘ 7500 mg/kg, (frat orl) = 6640 mg/kg, (rbt orl) = 2270 mg/kg, (mus orl) ◘ 3510 mg/kg, (gpg orl) = 3640 mg/kg, (Japanese quail orl) > 5000 mg/kg; LC_{50} (rainbow trout 48 hr.) = 7.8 mg/l, (carp 48 hr.) = 11 mg/l; non-toxic to bees. *Cerexagri, Inc.; Cleary Chemical Corp.; Micro-Flo Co. LLC; Nippon Soda; Regal Chemical Co.; Scotts Co.*

3765 Thiophene

110-02-1 9428 G

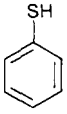
C_4H_4S

Thiophene.

5-17-01-00297 (Beilstein Handbook Reference); AI3-15417; BRN 0103222; CCRIS 2935; CP 34; Divinylene sulfide; EINECS 203-729-4; Furan, thio-; HSDB 130; Huile H50; Huile HSO; NSC 405073; Thiacyclo-pentadiene; Thiaphene; Thiofen; Thiofuram; Thiofuran; Thiofurfuran; Thiole; Thiophen; Thiophene; Thiotetrole; UN2414; USAF EK-1860. Used in organic synthesis (condenses with phenol and formaldehyde, copolymerizes with maleic anhydride), and as a solvent, dye, and in pharmaceutical manufacturing. Liquid; mp = -39.4°; bp = 84°; d^{20} = 1.0649; λ_m = 233, 237 nm (MeOH); insoluble in H_2O, slightly soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4; C_7H_{16}; C_5H_5N, dioxane, C_7H_8. *Elf Atochem N. Am.; Penta Mfg.*

3766 Thiophenol

108-98-5 9430 G H



C_6H_6S

Phenyl mercaptan.

4-06-00-01463 (Beilstein Handbook Reference); AI3-15418; Benzene, mercapto-; Benzenethiol; BRN 0506523; EINECS 203-635-3; FEMA No. 3616; HSDB 5387; Mercaptobenzene; NSC 6953; Phenol, thio-; Phenyl mercaptan; Phenylthiol; RCRA waste number P014; Thiofenol; Thiophenol; UN2337; USAF XR-19. Intermediate in synthesis of pesticides and pharmaceuticals. Oil; mp = -14.8°; bp = 169.1°; d^{20} = 1.0775; λ_m = 240 nm (ε = 7244, EtOH); insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, Et_2O, C_6H_6. *ICI Americas Inc.; Janssen Chimica; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

3767 Thiophosgene

463-71-8 G

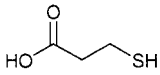
CCl_2S

Thiocarbonyl chloride.

4-03-00-00281 (Beilstein Handbook Reference); BRN 1633495; Carbon chlorosulfide; Carbonic dichloride, thio-; Carbonothioic dichloride; Carbonyl chloride, thio-; Dichlorothiocarbonyl; EINECS 207-341-6; HSDB 861; Phosgene, thio-; Thiocarbonic dichloride; Thiocarbonyl chloride; Thiocarbonyl dichloride; Thiofosgen; Thiokarbonylchlorid; Thiophosgene; UN2474. Used as an intermediate in organic synthesis. Red solid; bp = 73°; d^{15} = 1.5080; insoluble in H_2O, soluble in EtOH, Et_2O. *Fine Chem. Corp.; Fluka; Pfalz & Bauer; Sigma-Aldrich Fine Chem.*

3768 3-Thiopropionic acid

107-96-0 H



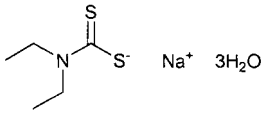
$C_3H_6O_2S$

2-Mercaptoethanecarboxylic acid.

3MPA; 4-03-00-00726 (Beilstein Handbook Reference); AI3-26090; BRN 0773807; EINECS 203-537-0; HSDB 5381; Hydracrylic acid, 3-thio-; β-Mercaptopropionic acid; 2-Mercaptoethanecarboxylic acid; 3-Mercapto-propanoic acid; 3-Mercaptopropionic acid; NSC 437; Propanoic acid, 3-mercapto-; Propionic acid, 3-merc-apto-; 3-Thiopropanoic acid; 3-Thiopropionic acid; β-Thiopropionic acid. Solid; mp = 18°; bp_{15} = 111°, bp_3 = 86°; d^{21} = 1.218; soluble in H_2O, EtOH, Et_2O, CCl_4.

3769 Thiostop E, N

20624-25-3 G



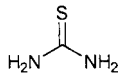
$C_5H_{10}NNaS_2.3H_2O$

Diethyldithiocarbamic acid sodium salt trihydrate.

Carbamic acid, diethyldithio-, sodium salt, trihydrate; Diethyldithiocarbamic acid sodium salt trihydrate; Diethyldithiocarbamate sodium salt trihydrate; Diethyl-dithiocarbamate sodium trihydrate; Diethyldithio-karbaman sodny trihydrat; Dithiocarb trihydrate; Sodium diethyldithiocarbamate trihydrate. An ultra-accelerator for NR and SBR latexes; an activator for guanidine type accelerators. Also used in analytical chemistry to assay copper. Solid; mp = 95-99°. *Uniroyal.*

3770 Thiourea

62-56-6 9443 G



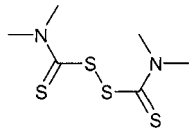
CH_4N_2S

Thiocarbamide.

AI3-03582; Caswell No. 855; CCRIS 588; EINECS 200-543-5; EPA Pesticide Chemical Code 080201; HSDB 1401; Isothiourea; NSC 5033; Pseudothiourea; Pseudo-urea, 2-thio-; RCRA waste number U219; Sulfourea; Thiocarbonic acid diamide; Thiomocovina; β-Thio-pseudourea; 2-Thiopseudourea; 2-Thiourea; Thiourea; Thiuronium; THU; Tsizp 34; Urea, 2-thio-; Urea, thio-; USAF EK-497. Photography, photocopy papers, organic synthesis (intermediate, dyes, drugs, hair preparations), rubber accelerator, analytical reagent, amino resins, mold inhibitor. Crystals; mp = 174-177°; d = 1.4100; soluble in H_2O (9.1 g/100 ml), soluble in EtOH, poorly soluble in other organic solvents; LD_{50} (rat orl) = 1830 mg/kg. *Allchem Ind.; Dajac Labs.; Fairmount; Greeff R.W. & Co.; Sigma-Aldrich Fine Chem.*

3771 Thiram

137-26-8 9448 D G P



$C_6H_{12}N_2S_4$

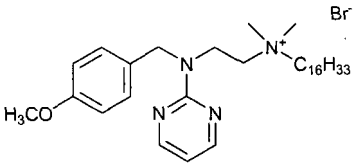
Tetramethylthiuram disulfide.

4-04-00-00242 (Beilstein Handbook Reference); Aapirol; AAtack; Aatiram; Accel TMT; Accelerator T; Accelerator thiuram; Aceto TETD; AI3-00987; Akrochem® TMTD; Anles; Arasan; Arasan 42-S; Arasan 70; Arasan 70-S Red; Arasan 75; Arasan-M; Arasan-SF; Arasan-SF-X; Atiram; Attack; Aules; Bis((dimethylamino)carbonothioyl) disulf-ide; Bis(dimethyl-thiocarbamoyl)-disulfid; Bis(dimethyl thiocarbamoyl)disulfide; Bis(dimethylthiocarbamoyl) di-sulphide; Bis(dimethylthiocarbamoyl) disulphide; BRN 1725821; Caswell No. 856; CCRIS 1282; Cunitex; Cyuram DS; Delsan; Disolfuro di tetrametiltiourame; Disulfide, bis(dimethylthiocarbamoyl); Disulfure de tetramethylthiourame; Disulfuro di tetrametiltiourame; EINECS 205-286-2; Ekagom TB; ENT 987; EPA Pesticide Chemical Code 079801; Falitiram; Fermide; Fermide 850; Fernacol; Fernasan; Fernasan A; Fernide; Flo Pro T Seed Protectant; FMC 2070; Formalsol; Hermal; Hermat TMT; Heryl; Hexathir; HSDB 863; Hy-Vic; Kregasan; Mercuram; Mercuran; Methyl thiram; Methyl thiuramdisulfide; Methyl tuads; Metiur; Metiurac; Micropearls; Nobecutan; Nocceler TT; Nomersam; Nomersan; Normersan; NSC 1771; Orac TMTD; Panoram 75; Perkacit® TMTD; Pol-Thiuram; Polyram-Ultra; Pomarsol; Pomarsol forte; Pomasol; Puralin; Radothiram; RCRA waste number U244; Rezifilm; Royal TMTD; Sadoplon; Sadoplon 75; Spotrete; Spotrete-F; Spotrete WP 75; SQ 1489; Sranan-sf-X; Teramethylthiuram disulfide; Tersan; Tersan 75; Tersantetramethyldiurane sulfide; Tetrapom; Tetrasipton; Tetrathiuram disulfide; Tetrathiuram disulphide; Thianosan; Thillate; Thimar; Thimer; Thioknock; Thioperoxydicarbonic diamide, tetramethyl-; Thiosan; Thioscabin; Thiotex; Thiotox; Thiram; Thiram 75; Thiram 80; Thiram B; Thiramad; Thirame; Thirampa; Thiramum; Thirasan; Thiulin; Thiulix; Thiurad; Thiuram; Thiuram d; Thiuram m; Thiuramin; Thiuramyl; Thylate; Tirampa; Tiuramyl; TMTD; TMTDS; Trametan; Tridipam; Tripomol; Tuads; TUEX; Tulisan; Vancide TM; Vancide TM-95;

Vuagt-i-4; vulcafor tmtd; vulkacit mtic; vulkacit thiuram. Vulcanizer, bacteriostat, antifungal and animal repellent. Very active, sulfur-bearing, nondiscoloring organic accelerator and activator; for curing systems requiring very low or no sulfur and for butyl and ethylene-propylene-diene rubbers compounds. Fungicide with animal repellent properties. Also used in vulcanization and as a bacteriostat. Registered by EPA as a fungicide. White-yellow crystals; mp = 155.6°; bp_{20} = 129°; λ_m = 243, 282 nm (ε = 12589, 11482, $CHCl_3$); poorly soluble in H_2O (0.003 g/100 ml at 25°), soluble in EtOH (> 1 g/100 ml), Me_2CO (8 g/100 ml), $CHCl_3$ (23 g/100 ml); LD_{50} (rat orl)= 780 - 865 mg/kg, (mus orl) = 1500 - 2000 mg/kg, (rbt orl) = 210 mg/kg, (rat der) > 1000 mg/kg, (redwing blackbird orl) > 100 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.5 mg/l air, (bluegill sunfish (48 hr.) = 0.23 mg/l, (trout 48 hr.) = 0.13 mg/l, (carp 48 hr.) = 4 mg/l; non-toxic to bees. *Agrichem (International) Ltd.; Akrochem Chem. Co.; Akzo Chemie; Avon Packers Ltd; Bayer AG; Bristol Myers Squibb Pharm. Ltd.; Cleary W. A.; DuPont; Ford Smith & Co Ltd.; ICI Chem. & Polymers Ltd.; Monsanto Co.; Universal Crop Protection Ltd.*

3772 Thonzide

553-08-2 9450 G



$C_{32}H_{55}BrN_4O$

N-[2-[[(4-methoxyphenyl)methyl]-2-pyrimidinylamino]-ethyl]-N,N-dimethyl-1-hexadecanaminium bromide.

Ammonium, hexadecyl(2-((p-methoxybenzyl)-2-pyrimidinylamino)ethyl)dimethyl-, bromide; Bromure de tonz-onium; Bromuro de tonzonio; Coly-Mycin S Otic; EINECS 209-032-1; 1-Hexadecanaminium, N-(2-(((4-methoxy-phenyl)methyl)-2-pyrimidinylamino)ethyl)-N,N-dimethyl-, bromide; Hexadecyl(2-((p-methoxybenzyl)-2-pyrimidinyl-amino)ethyl)dimethylammonium bromide; NC 1264; Nebair; NSC 5648; Thonzide; Thonzonium bromide; Tonzonii bromidum; Tonzonium bromide. Detergent. White solid; mp= 91-92°. *Parke-Davis.*

3773 Thorium dioxide

1314-20-1 9455 G

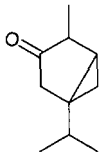
O_2Th

Thorium(IV) dioxide.

EINECS 215-225-1; HSDB 6364; Thoria; Thorianite; Thorium anhydride; Thorium dioxide; Thorium oxide; Thorium oxide (ThO_2); Thorotrast; Thortrast; Umbrathor. Used in ceramics, gas mantles, nuclear fuel, medicine and non-silica optical glass. White crystalline powder; mp = 3390°; d = 10.0; insoluble in H_2O; carcinogen.

3774 Thujone

546-80-5 9469 G



$C_{10}H_{16}O$

4-Methyl-1-(1-methylethyl)bicyclo[3.1.0]hexan-3-one.

Bicyclo(3.1.0)hexan-3-one, 4-methyl-1-(1-methylethyl)-, (1S,4R,5R)-; BRN 4660369; EINECS 208-912-2; 1-Iso-propyl-4-methylbicyclo(3.1.0)hexan-3-one; Isothujone, (-)-; (-)-3-Isothujone; 6-Ketosabinane; NSC 93742; Tan-acetone; 3-Thujanone, (-)-; 3-Thujanone, (1S,4R,5R)-(-)-; Thujon; Thujone; l-Thujone. A monoterpene ketone; used as a solvent. Oil; d^{25} = 0.9109; λ_m = 300 nm (ε 23, isooctane); insoluble in H_2O, soluble in organic solvents; LD_{50} (mus sc)= 134.2 mg/kg.

3775 Thulium oxide

12036-44-1 G

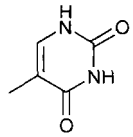
O_3Tm_2

Thulium(III) oxide.

EINECS 234-851-6; Thulia; Thulium oxide; Thulium oxide (Tm_2O_3). Source of thulium metal. *Atomergic Chemetals; Cerac; Rhône-Poulenc.*

3776 Thymine

65-71-4 9475 G



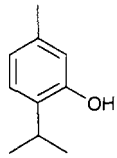
$C_5H_6N_2O_2$

2,4-Dihydroxy-5-methylpyrimidine.

AI3-25479; CCRIS 5584; EINECS 200-616-1; 5-Methyl-uracil; NSC 14705; 2,4(1H,3H)-Pyrimidinedione, 5-methyl-; Thymin; Thymin (purine base); Thymine; Thym-ine anhydrate. Obtained by the hydrolysis of nucleic acids; used in biochemical research. Crystalline solid; mp = 316°, dec 335 - 337°; λ_m = 205, 264.5 nm (ε 9500, 7900 pH 7); λ_m = 206, 262 nm (ε 9400, 7860 MeOH), 292 nm (ε 8900 MeOH/KOH); slightly soluble in H_2O (4 g/l), poorly soluble in organic solvents. *Lancaster Synthesis Co.; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

3777 Thymol

89-83-8 9476 D G



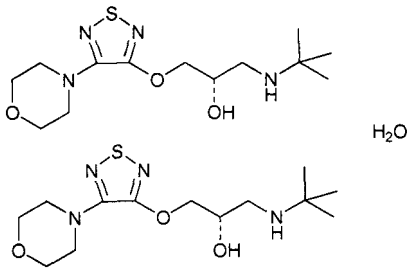
$C_{10}H_{14}O$

5-Methyl-2-(1-methylethyl)phenol.

AI3-00708; Caswell No. 856A; CCRIS 7299; Cymo-phenol, α-; EINECS 201-944-8; EPA Pesticide Chemical Code 080402; FEMA Number 3066; HSDB 866; Isopropyl cresol; NSC 11215; Thyme camphor; Thymic acid; Thymol; m-Thymol; Thymol (natural). An antibacterial and antifungal agent used in perfumery, microscopy, preservative, antioxidant, flavoring, as a laboratory reagent, in the manufacture of menthol. Used in the prevention of mold and mildew, in flavoring and perfumery, as a preservative and antioxidant and a topical antiseptic. Crystalline solid; mp = 51.5°; bp = 232.5°; d_4^{25}= 0.9699; λ_m = 276 nm (ε = 2320, MeOH); soluble in H_2O (0.1 g/100 ml), EtOH (100 g/100 ml), $CHCl_3$ (143 g/100 ml); Et_2O (66.7 g/100

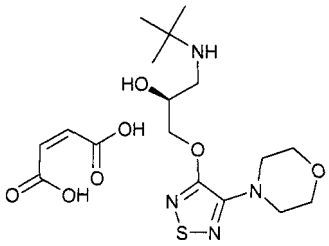
ml), olive oil (142.8 g/100ml at 25°); LD_{50} (rat orl) = 980 mg/kg.

3778 Timolol
91524-16-2 9521 D



$C_{13}H_{24}N_4O_3S.1/2H_2O$
(S)-1-(tert-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol hemihydrate.
Blocadren; EINECS 248-032-6; HSDB 6533; Istalol; Timolol; Timololum; Timopic.; See also [26839-75-8]. Antianginal agent with antiarrhythmic (class II), antihypertensive and antiglaucoma properties. A β-adrenergic blocker. [(±) form]: mp = 71.5-72.5°. *Merck & Co.Inc.*

3779 Timolol maleate
26921-17-5 9521 D



$C_{17}H_{28}N_4O_7S$
(S)-1-(tert-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol maleate (1:1).
Aquanil; Betim; Betime; Blocadren; CCRIS 1057; Cosopt; EINECS 248-111-5; MK 950; Proflax; Temserin; Tenopt; Timacar; Timacor; Timolide; Timolol hydrogen maleate salt; Timolol hydrogen maleate; Timolol maleate; Tim-optic; Timoptol.; component of: Cosopt, Timolide. A β-adrenergic blocker. Antianginal agent with anti-arrhythmic (class II), antihypertensive and antiglaucoma properties. Crystals; mp = 201.5-202.5°; $[\alpha]_D^{24}$ = -12.0° (c = 5 1N HCl); $[\alpha]_D^{25}$ = -4.2°; λ_m = 294 nm ($A^{1\%}_{1cm}$ 200 0.1N HCl); soluble in EtOH, MeOH; poorly soluble in $CHCl_3$, cyclohexane; insoluble in isooctane, Et_2O. *Merck & Co.Inc.*

3780 Tin
7440-31-5 9523 G

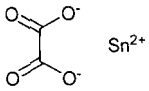
Sn

Sn
Tin.
CI 77860; CI Pigment metal 5; EINECS 231-141-8; HSDB 5035; Metallic tin; Silver matt powder; Tin; Tin, elemental; Tin flake; Tin, inorganic compounds (except oxides); Tin, metal; Tin powder; Wang; Zinn. Element; Used in manufacture of tin plate, anodes, corrosion-resistant coatings, manufacture of chemicals. mp = 232°; bp= 2507°; d = 7.31. *Atomergic Chemetals; Cerac; M&T Harshaw; Noah Chem.; Sigma-Aldrich Fine Chem.*

3781 Tin dioxide
18282-10-5 8856 G

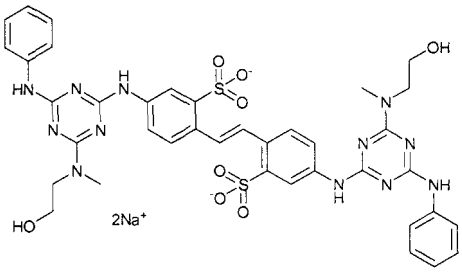
O_2Sn
Tin(IV) oxide.
C.I. 77861; EINECS 242-159-0; Flowers of tin; HSDB 5064; Stannic anhydride; Stannic dioxide; Stannic oxide; Stannic oxide (SnO_2); T 10 (oxide); Tin ash; Tin dioxide; Tin oxide; Tin oxide (SnO_2); Tin Peroxide; Tin(IV) oxide; White tin oxide. Used to polish glass and metals; tin salts, catalyst, ceramic glazes and colors, putty, perfume, cosmetic preparations (fingernail polish), manufacture of special glasses. White-grey powder; mp = 1127°; d = 6.9500; insoluble in H_2O. *Atomergic Chemetals; Cerac; Goldschmidt.*

3782 Tin(II) oxalate
814-94-8 8865 G



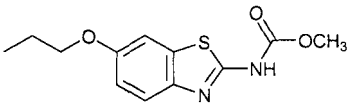
C_2O_4Sn
Stannous oxalate.
EINECS 212-414-0; Ethanedioic acid, tin(2+) salt (1:1); Oxalic acid, tin(2+) salt (1:1); Stannous oxalate; Stavelan cinaty; Tin oxalate; Tin(2+) oxalate; Tin(II) oxalate. Catalyst for stannous esterification; dying and printing textiles. Solid; d = 3.56; insoluble in H_2O. *Elf Atochem N. Am.*

3783 Tinopal 5BM
13863-31-5 H



$C_{38}H_{38}N_{12}Na_2O_8S_2$
4,4'-Bis((4-anilino-6-((2-hydroxyethyl)methylamino)-s-triazin-2-yl)amino)2,2'-stilbenedisulfonate.
Disodium 4,4'-bis-(2-sulfostyryl)biphenyl; EINECS 237-600-9; HSDB 5059; Phorwhite RKH; Tinopal 5bm; Tinopal 5BM-XC.

3784 Tiox
61570-90-9 9534 G V



$C_{12}H_{14}N_2O_3S$
(6-propoxy-2-benzothiazolyl)carbamic acid methyl ester.
Carbamic acid, (6-propoxy-2-benzothiazolyl)-, methyl ester;

EINECS 262-854-2; Methyl 6-propoxy-2-benzothiazolecarbamate; Tiox (Veterinary); Tioxidazol; Tioxidazole; Tioxidazolum. Anthelmintic, used in horses. Crystals; mp - 178-180°; insoluble in H_2O, soluble in organic solvents. *Schering.*

3785 Titanium dioxide

13463-67-7 9549 D G

O=Ti=O

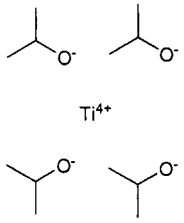
O_2Ti

Titanium Dioxide.

1385RN 59; 1700 White; 234DA; 500HD; 63B1 White; A 200 (pigment); A 330 (pigment); A-Fil; A-Fil Cream; A-FN 3; Aerolyst 7710; Aerosil P 25; Aerosil P 25S6; Aerosil P 27; Aerosil T 805; AI3-01334; AK 15 (pigment); Amperit 780.0; AMT 100; AMT 600; Atlas white titanium dioxide; AUF 0015S; Austiox R-CR 3; B 101 (pigment); Bayer R-FD 1; Bayertitan A; Bayertitan AN 3; Bayertitan R-FD 1; Bayertitan R-FK 21; Bayertitan R-FK-D; Bayertitan R-KB; Bayertitan R-U-F; Bayertitan R-U 2; Bayertitan R-V-SE 20; Bayertitan T; Bistrater L-NSC 200C; Blend White 9202; BR 29-7-2; Brookite; C 97 (oxide); C-Weiss 7; C.I. 77891; C.I. Pigment White 6; Cab-O-Ti; Calcotone White T; CCRIS 590; CG-T; CI 77891; CI Pigment white 6; CL 310; Cosmetic Hydrophobic TiO2 9428; Cosmetic Micro Blend TiO2 9228; Cosmetic White C47-5175; Cosmetic White C47-9623; Covermark; E 171; EINECS 236-675-5; Flamenco; Hombitan; Hombitan R 101D; Hombitan R 610K; Horse Head A-410; Horse Head A-420; Horse Head R-710; HSDB 869; KH 360; Kronos®; Kronos® 1000; Kronos® 2020; Kronos® 2073; Kronos® 3020; Kronos® cl 220; Kronos® RN 40P; Kronos® RN 56; Kronos® titanium dioxide; Levanox White RKB; NCI-C04240; NSC 15204; Orgasol 1002D White 10 Extra Cos; P 25 (oxide); Pigment White 6; R 680; Rayox; Ro 2; Runa ARH 20; Runa ARH 200; Runa RH20; Rutile; Rutiox CR; Ti-pure R 900; Ti-Pure; Ti-Pure R 901; Tichlor; Tin dioxide dust; Tiofine; Tiona T.D.; Tiona td; Tioxide; Tioxide; Tipaque; Tipaque R 820; Titafrance; Titan White; Titandioxid; Titandioxid; Titania; Titanic anhydride; Titanic oxide; Titanium dioxide; Titanium oxide; Titanium peroxide; Titanium White; Titanium(IV) oxide; Titanox; Titanox 2010; Titanox ranc; Trioxide(s); Tronox; Unitane; Uniwhite AO; Uniwhite KO; Uniwhite OR 450; Uniwhite OR 650; Zopaque; Zopaque LDC. Used to impart opacity and brightness; for cosmetics, paints, inks, plastics, paper, glass, rubber, ceramics, glazes, vitreous enamels, welding rods, fibers and coatings.Used with different pigments in a cream base as a skin masking cream and topical protectant. Used for decontamination of radioactive skin. White powder, widely used as a pigment; mp = 1855°; d = 4.23, 3.90 or 4.13; insoluble in H_2O or mineral acids. *Allergan Herbert; Bayer NV; British Traders & Shippers; Degussa AG; DuPont; Ferro/Transelco; Herbert; Kerr-McGee; Kronos; Lederle Labs.; Miles Inc.; Olin Res. Ctr.; Rheox Inc.; SCM Glidco Organics; Stiefel Labs Inc.; Tioxide Am.; Westwood-Squibb Pharm. Inc.*

3786 Titanium isopropoxide

546-68-9 9551 H



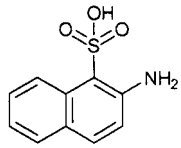
$C_{12}H_{32}O_4Ti$

Isopropyl alcohol, titanium(4+) salt.

A 1 (titanate); EINECS 208-909-6; HSDB 848; Isopropyl alcohol, titanium(4+) salt; Isopropyl orthotitanate; Isopropyl titanate(IV); Isopropyl titanate(IV) ($(C_3H_7O)_4Ti$); NSC 60576; Orgatix TA 10; TA 10; Tetraisopropanol-atotitanium; Tetraisopropoxide titanium; Tetraisopropoxy-titanium; Tetraisopropoxytitanium(IV); Ti Isopropylate; Tilcom TIPT; Titanic acid isopropyl ester; Titanium isopropylate; Titanium tetraisopropoxide; Titanium(4+) isopropoxide; Titanium(IV) isopropoxide; Tyzor TPt.

3787 Tobias acid

81-16-3 6432 G H



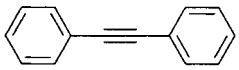
$C_{10}H_9NO_3S$

2-Naphthylamine-1-sulfonic acid.

4-14-00-02792 (Beilstein Handbook Reference); BRN 0613084; EINECS 201-331-5; HSDB 5239; Kyselina 2-naftylamin-1-sulfonova; Kyselina tobiasova; NSC 5523; Tobias acid. Used as an azo dye intermediate and as an optical brightener. Crystalline solid; λ_m = 225, 244, 283, 313, 318 nm (ε 40900, 18600, 5900, 714, 669 MeOH); slightly soluble in H_2O, EtOH, Et_2O. *DuPont.*

3788 Tolan

501-65-5 9581 G



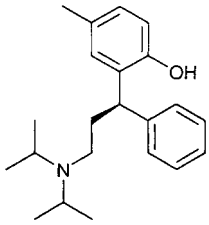
$C_{14}H_{10}$

1,1'-(1,2-ethanediyl)bisbenzene.

Acetylene, diphenyl-; AI3-04360; Benzene, 1,1'-(1,2-ethynediyl)bis-; Biphenylacetylene; Diphenylacetylene; 1,2-Diphenylacetylene; Diphenylethyne; EINECS 207-926-6; Ethyne, diphenyl-; NSC 5185; Tolan; Tolane. Used in organic synthesis. Prisms or plates; mp = 62.5°; bp = 300°; d^{100} = 0.9657; λ_m = 216, 221, 269, 272, 279, 288, 297 nm (ε 20600, 20300, 23450, 25200, 33000, 23250, 29400); insoluble in H_2O, slightly soluble in EtOH, CCl_4, very soluble in Et_2O.

3789 Tolterodine

124937-51-5 9603 D



$C_{22}H_{31}NO$

(+)-(R)-2-[α-[2-(Diisopropylamino)ethyl]benzyl]-p-cresol.

Detrol; Kabi 2234; PNU 200583; Tolterodina; Toltero-dine; (+)-Tolterodine; Tolterodinum. Antimuscarinic. Used to treat urinary incontinence. *Pharmacia & Upjohn.*

3790 Toluene

108-88-3 9607 G H

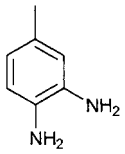
C_7H_8

Methylbenzene.

AI3-02261; Antisal 1a; Benzene, methyl-; Caswell No. 859; CCRIS 2366; CP 25; EINECS 203-625-9; EPA Pesticide Chemical Code 080601; HSDB 131; Methacide; Methane, phenyl-; Methylbenzene; Methylbenzol; NCI-C07272; NSC 406333; Phenylmethane; RCRA waste number U220; Tolu-Sol; Tolueen; Toluen; Toluene; Toluenо; Toluoi; Toluolo; UN 1294. Used as an aviation gasoline additive and high octane blending stock; as a solvent for paint; diluent and thinner in nitrocellulose lacquers; adhesive solvent in plastic toys; in the manufacture of benzoic acid, benzaldehyde, explosives and dyes; in extraction of various principles from plants. Liquid; mp = -94.9°; bp = 110.6°; d^{20} = 0.8669; λ_m = 254, 255, 260, 261, 264, 268 nm (ε = 163, 175, 198, 238, 167, 222, MeOH); insoluble in H_2O; soluble in Me_2CO, $CHCl_3$, CS_2, ligroin; freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 636 mg/kg. *Ashland; Chevron; Exxon; ExxonMobil Chem. Co.; Fina Chemicals; Mitsubishi Corp.; Phillips 66; Texaco.*

3791 Toluenediamine

496-72-0 H



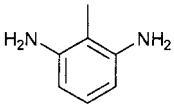
$C_7H_{10}N_2$

4-Methyl-1,2-benzenediamine.

4-13-00-00260 (Beilstein Handbook Reference); 4-Methyl-1,2-diaminobenzene; 4-Methyl-1,2-phenylene-diamine; 4-Methyl-o-phenylenediamine; BRN 0507965; CCRIS 4611; EINECS 207-826-2; HSDB 6070; NSC 1495; RCRA waste no. U221; Toluene-3,4-diamine; Toluene-diamine. Plates; mp = 89.5°; bp = 265°; λ_m = 297 nm (MeOH); soluble in ligroin, very soluble in H_2O.

3792 Toluenediamine

823-40-5 H



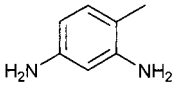
$C_7H_{10}N_2$

2-Methyl-1,3-phenylenediamine.

3-13-00-00291 (Beilstein Handbook Reference); Benzenediamine, ar-methyl-; 1,3-Benzenediamine, 2-methyl-; BRN 2079476; CCRIS 3031; 2,6-Diamino-1-methylbenzene; 2,6-Diaminotoluene; EINECS 212-513-9; HSDB 4131; 2-Methyl-1,3-phenylenediamine; 2-Methyl-1,3-benzenediamine; 2-Methyl-m-phenylenediamine; NCI-C50317; NSC 147490; RCRA waste no. U221; Toluenediamine; Toluene-2,6-diamine; o-Toluene di-amine; 2,6-Toluylenediamine. Prisms; mp = 106°; soluble in H_2O, EtOH, C_6H_6.

3793 Toluenediamine

25376-45-8 H



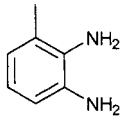
$C_7H_{10}N_2$

Diaminotoluene (mixed isomers).

Benzenediamine, ar-methyl-; Diaminotoluene; Diamino-toluene (mixed isomers); EINECS 246-910-3; HSDB 6059; Methylphenylenediamine; Phenylenediamine, ar-methyl-; RCRA waste number U221; TDA 8020; Toluene-ar,ar'-diamine; Toluenediamine; Tolylenediamine.

3794 Toluene-2,3-diamine

2687-25-4 H



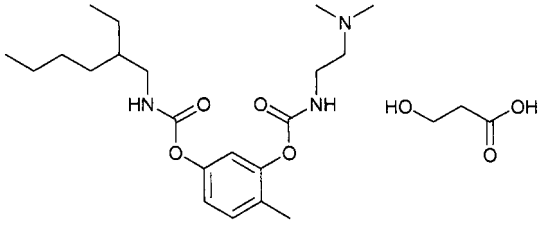
$C_7H_{10}N_2$

3-Methyl-1,2-phenylenediamine.

3-13-00-00277 (Beilstein Handbook Reference); 1,2-Benzenediamine, 3-methyl-; BRN 0907184; CCRIS 7692; 1,2-Diamino-3-methylbenzene; 2,3-Diaminotoluene; EINECS 220-248-5; HSDB 6077; 3-Methyl-o-phenylene-diamine; 1-Methyl-2,3-phenylenediamine; Toluene-2,3-diamine; 2,3-Tolylenediamine. Crystals; mp = 63.5°; bp = 255°; very soluble in Me_2CO, C_6H_6, EtOH.

3795 Toluene-2,4-dicarbamic acid, 2-(N,N-dimethylaminoethyl) 4-(2-ethylhexyl) ester, lactate

68227-46-3 H



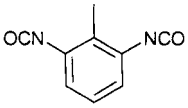
$C_{21}H_{35}N_3O_4.C_3H_6O_3$

Lactic acid, compound with 3-(2-(dimethylamino)ethyl) 1-(2-ethylhexyl) toluene-2,4-dicarbamate (1:1).

EINECS 269-358-5; Toluene-2,4-dicarbamic acid, 2-(N,N-dimethylaminoethyl) 4-(2-ethylhexyl) ester, lactate; Lactic acid, compound with 3-(2-(dimethylamino)ethyl) 1-(2-ethylhexyl) toluene-2,4-dicarbamate (1:1); Propanoic acid, 2-hydroxy-, compd. with 3-(2-(dimethylamino)ethyl) 1-(2-ethylhexyl) (4-methyl-1,3-phenylene)bis(carbamate) (1:1); Propanoic acid, 2-hydroxy-, compd. with 3-(2-(dimethylamino)ethyl) 1-(2-ethylhexyl) (4-methyl-1,3-phenylene)bis(carbamate) (1:1).

3796 Toluene-2,6-diisocyanate

91-08-7 H



$C_9H_6N_2O_2$

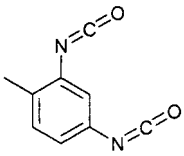
Benzene, 1,3-diisocyanato-2-methyl-.

4-13-00-00259 (Beilstein Handbook Reference); Benzene, 1,3-diisocyanato-2-methyl-; Benzene, 2,6-diisocyanato-1-methyl-; BRN 2211546; CCRIS 3741; EINECS 202-039-0; HSDB 5272; Isocyanic

acid, 2-methyl-m-phenylene ester; RCRA waste no. U223; Toluene diisocyanate; Toluene 2,6-diisocyanate; Tolylene 2,6-diisocyanate; m-Tolylene diisocyanate; UN 2078. Used as the monomer in polyurethane coatings. Solid; mp = 18.3°; freely soluble in H_2O, less soluble in Me_2CO, C_6H_6. *Air Prods & Chems; Dow Chem. U.S.A.*

3797 Toluene diisocyanate

584-84-9 9608 G H



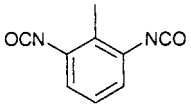
$C_9H_6N_2O_2$

2,4-Toluene diisocyanate.

4-13-00-00243 (Beilstein Handbook Reference); AI3-15101; Benzene, 1,3-diisocyanatomethyl-; Benzene, 2,4-diisocyanato-1-methyl-; BRN 0744602; CCRIS 3742; Cresorcinol diisocyanate; Desmodur T80; Di-iso-cyanatoluene; Di-isocyanate de toluylene; Diisocyanat-toluol; EINECS 209-544-5; HSDB 874; Hylene T; Hylene tlc; Isocyanic acid, 4-methyl-m-phenylene ester; Mondur TD; Mondur TD-80; Mondur TDS; Nacconate IOO; NCI-C50533; NSC 4791; NSC 56759; RCRA waste number U223; TDI; 2,4-TDI; TDI; TDI-80; Tolueen-diisocyanaat; Toluen-disocianato; Toluene diisocyanate; Toluene 2,4-diisocyanate; 2,4-Toluene diisocyanate; Toluilenodwu-izocyjanian; Toluylene-2,4-diisocyanate; Tolyene 2,4-diisocyanate; UN 2078; Voranate T-80, Type I; Voranate T-80, Type II. In manufacture of polyurethane foams, elastomers, and coatings. Used by the PU industry for manufacture of flexible slabstock foam, molded flexible foam. Liquid; mp = 20.5°; bp = 251°; d^{20}_4 = 1.2244; reacts with H_2O, very soluble in Me_2CO, C_6H_6, Et_2O. *Bayer AG; Bayer Corp.; Dow Chem. U.S.A.; ICI Chem. & Polymers Ltd.; Nippon Chem. Industrial Co. Ltd.; Olin Corp.*

3798 Toluene diisocyanate

26471-62-5 H



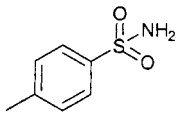
$C_9H_6N_2O_2$

Isocyanic acid, methyl-m-phenylene ester.

Benzene, 1,3-diisocyanatomethyl-; CCRIS 596; Desmodur T 80; Desmodur T100; Diisocyanatotoluene; 1,3-Diisocyanatomethylbenzene; EINECS 247-722-4; HSDB 6003; Isocyanic acid, methyl-m-phenylene ester; Methyl-m-phenylene isocyanate; Methylphenylene isocyanate; Mondur TD-80; Nacconate-100; Niax iso-cyanate TDI; RCRA waste number U223; Rubinate TDI; Rubinate TDI 80/20; TDI; TDI 80-20; Toluene-2,4-diisocyanate (mixt. with Toluene-2,6-diisocyanate); Toluene diisocyanate; 2,4/2,6-Toluene diisocyanate iso-meric mixture; 2,4-Toluene diisocyanate; 2,4- and 2,6-Toluene diisocyanate; Toluenediisocyanate (mixed isomers); Tolylene diisocyanate; Tolylene isocyanate; m-Tolylidene diisocyanate; UN 2078. Mixture of 2,4- and 2.6-diisocyanates. A polyurethane monomer, used in paints and varnishes.

3799 Toluenesulfonamide

1333-07-9 H



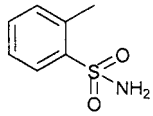
$C_7H_9NO_2S$

Benzenesulfonamide, ar-methyl-.

ar-Toluenesulfonamide; Benzenesulfonamide, ar-methyl-; EINECS 215-578-1; HSDB 5816; Toluenesulfonamide; Toluenesulphonamide. Mixture of o, m and p-isomers.

3800 o-Toluenesulfonamide

88-19-7 G



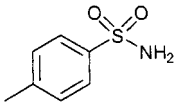
$C_7H_9NO_2S$

2-Methylbenzenesulfonamide.

4-11-00-00229 (Beilstein Handbook Reference); AI3-23216; Benzenesulfonamide, 2-methyl-; BRN 1102362; EINECS 201-808-8; HSDB 5256; NSC 2185; o-Methylbenzenesulfonamide; o-Toluenesulfonamide; 2-Toluenesulfonamide; ortho-Toluenesulfonamide; ortho-Toluenesulphonamide; ortho-Toluol-sulfonamid; Tolu-ene-2-sulfonamide; Toluene-2-sulphonamide; 2-Tolyl-sulfonamide; Uniplex 171. Plasticizer for thermoplastic and thermoset resins; imparts gloss and wetting to melamine, urea and phenolic resins. Component (with p-isomer) of Uniplex 171. Crystals; mp = 156-158°. *Unitex.*

3801 p-Toluenesulfonamide

70-55-3 G



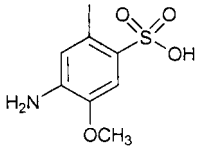
$C_7H_9NO_2S$

4-Toluenesulfonic acid, amide.

4-11-00-00376 (Beilstein Handbook Reference); AI3-19503; Benzenesulfonamide, 4-methyl-; BRN 0472689; EINECS 200-741-1; HSDB 5203; 4-Methylbenzene-sulfonamide; p-Methylbenzenesulfonamide; NSC 9908; para-Toluenesulfonamide; p-Toluenesulfamide; 4-Tolu-enesulfanamide; p-Toluenesulfonamide; p-Toluenesulf-onylamide; p-Tolylsulfonamide; p-Tosylamide; Toluene-4-sulfonamide; Toluene-4-sulphonamide; Toluene-p-sulphonamide; Tolylsulfonamide; Tosylamide. Used in organic synthesis; in manufacture of plasticizers, resins; fungicide and mildewcide in paints and coatings. Crystals; mp = 135-137°. *Allchem Ind.; Honeywell & Stein; ICI Spec.; Unitex.*

3802 o-Toluenesulfonic acid, 4-amino-5-methoxy-

6471-78-9 H



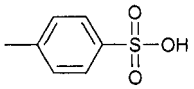
$C_8H_{11}NO_4S$

4-Amino-5-methoxy-2-methylbenzenesulfonic acid.

Benzenesulfonic acid, 4-amino-5-methoxy-2-methyl-; EINECS 229-319-5; 5-Methoxy-2-methylsulphanilic acid.

3803 p-Toluene sulfonic acid

104-15-4 9611 G P



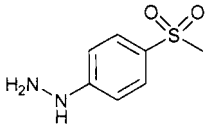
$C_7H_8O_3S$

4-Methylbenzenesulfonic acid.

4-11-00-00241 (Beilstein Handbook Reference); ar-Toluenesulfonic acid; AI3-26478; Benzenesulfonic acid, 4-methyl-; BRN 0472690; Cyclophil P T S A; Cyzac 4040; EINECS 203-180-0; Eltesol®; Eltesol® TSX; Eltesol® TSX/A; Eltesol® TSX/SF; HSDB 2026; K-Cure 040; K-Cure 1040; Kyselina p-toluenesulfonova; Kyselina p-toluensulfonova; Manro PTSA 65 E; Manro PTSA 65 H; Manro PTSA 65 LS; Methylbenzenesulfonic acid; 4-Methylbenzenesulfonic acid; p-Methylbenzenesulfonic acid; Nacure 1040; NSC 167068; PTSA; p-Toluene sulfonate; 4-Toluenesulfonic acid; p-Toluenesulfonic acid; p-Toluenesulphonic acid; Tosic acid; TSA-HP; TSA-MH. Catalyst for organic synthesis, synthetic resins, manufacture of p-cresol, toluene derivatives, pharm-aceutical products, dyestuffs; chemical intermediate. Registered by EPA as an antimicrobial and fungicide (cancelled). Crystals; mp = 104.5°; bp_{20} = 140°, $bp_{0.1}$ = 185-187°; λ_m = 221 nm (MeOH); very soluble in H_2O (67 g/100 ml), soluble in EtOH, Et_2O. *Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; Bayer Corp.; Boliden Intertrade; BYK-Chemie; Eastman Chem. Co.; Ferro/Grant; Nissan Chem. Ind.; PMC; Ruetgers-Nease; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Witco/Oleo-Surf.*

3804 p-Toluene sulfonylhydrazide

877-66-7 G



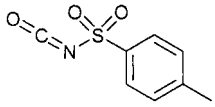
$C_7H_{10}N_2O_2S$

4-(Methylsulphonyl)phenylhydrazine.

Celogen® TSH; EINECS 212-895-7. Chemical blowing agent for thermoset polyester. Crystals; mp = 202°. *Uniroyal.*

3805 p-Toluenesulfonyl isocyanate

4083-64-1 H



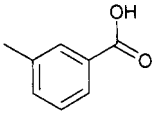
$C_8H_7NO_3S$

Benzenesulfonyl isocyanate, 4-methyl-.

Benzenesulfonyl isocyanate, 4-methyl-; EINECS 223-810-8; p-Toluenesulfonic acid, anhydride with isocyanic acid; p-Toluenesulfonyl isocyanate; p-Toluenesulphonyl isocyanate.

3806 m-Toluic acid

99-04-7 G H



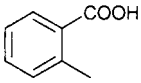
$C_8H_8O_2$

Benzoic acid, 3-methyl-.

4-27-00-07537 (Beilstein Handbook Reference); AI3-15626; Benzoic acid, 3-methyl-; BRN 0970526; EINECS 202-723-9; m-Methylbenzoic acid; m-Toluic acid; m-Toluylic acid; meta-Toluic acid; NSC 2214. Used in manufacture of N,N-diethyl-m-toluamide, a broad-spectrum insect repellent. Crystals; mp = 108.7°; bp = 263°; d^{112} = 1.054slightly soluble in H_2O, $CHCl_3$, very soluble in EtOH, Et_2O;; slightly soluble in H_2O, soluble in organic solvents. *CK Witco Chem. Corp.; CK Witco Chem. Ltd.; Mitsubishi Gas.*

3807 o-Toluic acid

118-90-1 G H



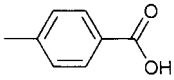
$C_8H_8O_2$

o-Methylbenzoic acid.

4-27-00-07537 (Beilstein Handbook Reference); AI3-15625; Benzoic acid, 2-methyl-; BRN 1072103; EINECS 204-284-9; 2-Methylbenzoic acid; NSC 2193; o-Methylbenzoic acid; Orthotoluic acid; Toluic acid; 2-Toluic acid; o-Toluic acid; o-Toluylic acid. Bacteriostat. Prisms or needles; mp = 103.7°; bp = 259°; d^{115} = 1.062; λ_m = 229, 278 nm (ε = 8460, 1250, MeOH); insoluble in H_2O, soluble in $CHCl_3$, very soluble in EtOH, Et_2O. *Mitsubishi Gas.*

3808 p-Toluic acid

99-94-5 G H



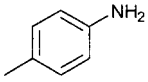
$C_8H_8O_2$

Benzoic acid, 4-methyl-.

4-27-00-07537 (Beilstein Handbook Reference); AI3-15627; Benzoic acid, 4-methyl-; BRN 0507600; p-Carboxytoluene; Crithminic acid; EINECS 202-803-3; 4-Methylbenzoic acid; NSC 2215; p-Methylbenzoic acid; p-Toluic acid; 4-Toluic acid; p-Toluylic acid. An animal feed supplement used in agricultural chemicals. Crystals; mp = 179.6°; bp = 274-275°; λ_m = 236, 280 nm (ε = 13500, 614, MeOH); insoluble in H_2O, slightly soluble in TFA, very soluble in EtOH, Et_2O, MeOH. *Degussa-Hüls Corp.; National Starch & Chem. UK; Penta Mfg.*

3809 p-Toluidine

106-49-0 9614



C_7H_9N

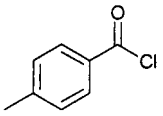
4-Toluidine.

AI3-19858; 1-Amino-4-methylbenzene; 4-Amino-1-methylbenzene; 4-Aminotoluen; 4-Aminotoluene; Anil-ine, p-methyl-; Benzenamine, 4-methyl-; CCRIS 598; CI 37107; CI Azoic Coupling Component 107; EINECS 203-403-1; HSDB 2044; Naphtol AS-KG; Naphtol AS-

KGLL; NSC 15350; RCRA waste number U353; Toluidine, p-; UN1708. Leaflets; mp = 43.7; bp = 200.4°; d^{20} = 0.9619; λ_m = 237, 288, 291, 294 nm (cyclohexane); slightly soluble in H_2O, soluble in Et_2O. Me_2CO, CCl_4, very soluble in EtOH, C_5H_5N.

3810 p-Toluoyl chloride

874-60-2 G



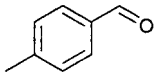
C_8H_7ClO

4-Methylbenzoyl chloride.

4-09-00-01733 (Beilstein Handbook Reference); Benzoyl chloride, 4-methyl-; BRN 0471492; EINECS 212-864-8; 4-Methylbenzoic acid chloride; 4-Methylbenzoyl chloride; p-Methylbenzoyl chloride; p-Toluic acid chloride; 4-Toluoyl chloride; p-Toluoyl chloride; p-Toluyl chloride. Used in chemical synthesis. Liquid; mp = -1.5°; bp = 226°; d^{20} = 1.1686; soluble in CCl_4. *James River; Sigma-Aldrich Fine Chem.*

3811 p-Tolyl aldehyde

104-87-0 G



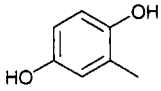
C_8H_8O

4-Methylbenzaldehyde.

AI3-24380; Benzaldehyde, 4-methyl-; CCRIS 2942; EINECS 203-246-9; FEMA No. 3068; p-Formyltoluene; HSDB 5361; 4-Methylbenzaldehyde; p-Methylbenz-aldehyde; para-Methylbenzaldehyde; NSC 2224; 4-Tolu-aldehyde; p-Tolualdehyde; p-Toluylaldehyde; p-Tolyl-aldehyde; para-Tolualdehyde; para-Toluyl aldehyde. Intermediate in the perfumes, pharmaceuticals and dyestuffs industries. Additive for resins, also used as a flavoring agent. Liquid; mp = -6°; bp = 205°, bp_{10} =106°; d^{17} = 1.0194; λ_m = 255 nm (ε = 21300, MeOH); slightly soluble in H_2O, very soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO. *BASF Corp.; Mallinckrodt Inc.; Mitsubishi Gas.*

3812 Toluhydroquinone

95-71-6 G



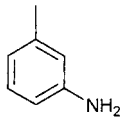
$C_7H_8O_2$

2,5-dihydroxytoluene.

methylhydroquinone. Used as an antioxidant and polymerization inhibitor. Solid; mp = 128°; bp^{11} = 163°; λ_m = 292 nm (MeOH); very soluble in H_2O, EtOH, Et_2O, less soluble in Me_2CO, C_6H_6. *Eastman Chem. Co.*

3813 m-Toluidine

108-44-1 9614 H



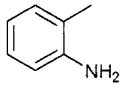
C_7H_9N

·3-Aminotoluene.

4-12-00-01813 (Beilstein Handbook Reference); AI3-19859; m-Aminotoluene; Aniline, 3-methyl-; Benzen-amine, 3-methyl-; BRN 0635944; CCRIS 4325; EINECS 203-583-1; HSDB 2043; m-Methylaniline; m-Methyl-benzenamine; NSC 15349; m-Toluidin; m-Toluidine; m-Toluidyna; m-Tolylamine; UN1708. Liquid; mp = -31.2°; bp= 203.3°; d^{20} = 0.9889; λ_m = 236, 286 nm (ε = 8900, 1460, MeOH); very soluble in Me_2CO, EtOH, Et_2O, C_6H_6.

3814 o-Toluidine

95-53-4 9614



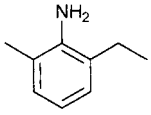
C_7H_9N

Benzenamine, 2-methyl-.

AI3-24383; o-Aminotoluene; Aniline, 2-methyl-; Benzen-amine, 2-methyl-; CI 37077; CCRIS 597; EINECS 202-429-0; HSDB 2042; o-Methylaniline; o-Methylbenzen-amine; NSC 15348; RCRA waste number U328; o-Toluidin; o-Toluidine; o-Toluidyna; o-Tolylamine; UN 1708. Oil; mp = -16.3°; bp = 200.3°; d^{20} = 0.9984; λ_m = 233, 285 nm (MeOH); poorly soluble in H_2O, freely soluble in EtOH, Et_2O, CCl_4.

3815 o-Toluidine, 6-ethyl-

24549-06-2 H



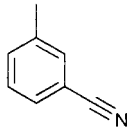
$C_9H_{13}N$

Benzenamine, 2-ethyl-6-methyl-.

4-12-00-02638 (Beilstein Handbook Reference); Aniline, 2-methyl-6-ethyl-; Benzenamine, 2-ethyl-6-methyl-; BRN 2079468; C 25702 EINECS 246-309-6; 2-Ethyl-6-methylaniline; 6-Ethyl-2-toluidine; 6-Ethyl-o-toluidine; 2-Methyl-6-ethylaniline; o-Toluidine, 6-ethyl-.

3816 m-Tolunitrile

620-22-4 H



C_8H_7N

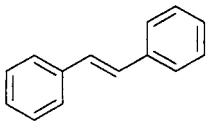
1-Methyl-3-cyanobenzene.

AI3-17129; Benzonitrile, 3-methyl-; CCRIS 4736; 3-Cyanotoluene; m-Cyanotoluene; EINECS 210-631-5; 1-Methyl-3-cyanobenzene; 3-Methylbenzonitrile; m-Methylbenzonitrile; MTN; Nitrii kyseliny m-toluylove; NSC 75453; 3-Toluenkarbonitril; m-Toluenenitrile; 3-Tolunitrile; m-Tolunitrile; m-Toluonitriie; m-Tolyinitriie. Liquid; mp = -23°; bp = 213°; d^{20} = 1.0316; λ_m = 227, 275, 283 nm (ε = 11000,

1130, 1130, MeOH); insoluble in H_2O, slightly soluble in CCl_4, freely soluble in EtOH, Et_2O.

3817 Toluylene

103-30-0 8895 G



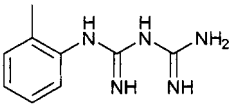
$C_{14}H_{12}$

1,1'-(1,2-Ethanediyl)bis[benzene].

4-05-00-02160 (Beilstein Handbook Reference); AI3-52677; Benzene, 1,1'-(1,2-ethenediyl)bis-, (E)-; Benzene, 1,1'-(1E)-1,2-ethenediylbis-; BRN 1616740; CCRIS 5933; (E)-1,2-Diphenylethylene; trans-Diphenylethene; trans-α,β-Diphenylethylene; trans-1,2-Diphenylethene; EINECS 203-098-5; (E)-1,1'-(1,2-Ethenediyl)bisbenzene; HSDB 5020; NSC 2069; Stilbene, (E)-; (E)-Stilbene; trans-Stilbene; Toluylene. Used in the manufacture of optical bleaches and dyes. Crystals; mp = 123°; bp = 307°, bp_{12} = 166°; λ_m = 227, 294, 307 nm (ε = 21000, 33200, 32100, MeOH); λ_m = 296, 305 nm (ε 28100, 26700, 95% EtOH); insoluble in H_2O, slightly soluble in EtOH, $CHCl_3$, very soluble in Et_2O, C_6H_6.

3818 o-Tolyldiguanide

93-69-6 G



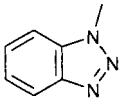
$C_9H_{13}N_5$

N-(2-Methylphenyl)imidodicarbonimidic diamide.

4-12-00-01764 (Beilstein Handbook Reference); Aliant; Biguanide, 1-o-tolyl-; BRN 0612193; EINECS 202-268-6; Eponoc B; Imidodicarbonimidic diamide, N-(2-methylphenyl)-; Nocceler BG; NSC 164906; o-Tolyl-biguanide; 1-o-Tolylbiguanide; 2-Tolylbiguanide; Sop-anox; Vulkacit 1000. A rubber vulcanization accelerator. *Bayer AG.*

3819 Tolyltriazole

29385-43-1 G H



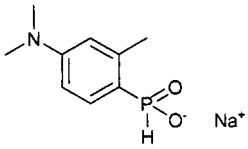
$C_7H_7N_3$

1H-Benzotriazole, methyl-.

1H-Benzotriazole, 4(5)-methyl-; 1H-Benzotriazole, 4(or 5)-methyl-; 1H-Benzotriazole, methyl-; CCRIS 4738; Cobratec TT 100; EINECS 249-596-6; Methyl-1H-benzotriazole; Olin 53734; Preventol® CI7-100; Tolu-triazole; Tolyl triazole. Corrosion inhibitor for copper, copper alloys and other metals; particularly suitable for antifreezes, coolants, cutting fluids and hydraulic fluids. Crystals; mp = 76-87°; bp_2 = 160°; d = 1.24; insoluble in H_2O, soluble in organic solvents; LD_{50} (rat orl) ◘ 1600 mg/kg. *Bayer AG; Dinoval; PMC; Sandoz.*

3820 Tonophosphan

575-75-7 9589 G V



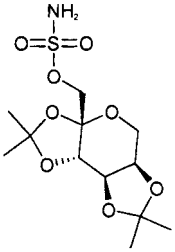
$C_9H_{13}NNaO_2P$

(4-Dimethylamino-o-tolyl)phosphonous acid sodium salt.

EINECS 209-391-4; Foston; Phosphinic acid, (4-(di-methylamino)-2-methylphenyl)-, sodium salt; Sodium (4-(dimethylamino)-2-methylphenyl)phosphinate; Toldimfos sodium; Tonofosfan. A proprietary preparation of tol-dimfos sodium; a source of phosphorus used for vet-erinary purposes. Soluble in H_2O and EtOH.

3821 Topiramate

97240-79-4 9625 D



$C_{12}H_{21}NO_8S$

2,3:4,5-Di-O-isopropylidene-β-D-fructopyranose sulfam-ate.

BRN 5988957; McN-4853; RWJ-17021; RWJ-17021-000; Tipiramate; Tipiramato; Topamax; Topiramate; Topir-amato; Topiramatum. An anticonvulsant. Crystals; mp = 125-126°; $[\alpha]_D^{23}$ = -34.0° (c = 0.4 MeOH). *Johnson & Johnson Med. Inc.; McNeil Pharm.*

3822 Toxaphene

8001-35-2 9633 H P

$C_{10}H_{10}Cl_8$

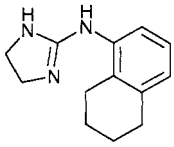
Technical chlorinated camphene.

Agricide; Agricide Maggot Killer; Agricide Maggot Killer (F); Agro-Chem Brand Toxaphene 6E; Agro-Chem Brand Torbidan 28; Agsco toxaphene; Agway toxaphene 6E; Alltex; Alltox; Anatox; Attac 4-2; Attac 4-4; Attac 6; Attac 6-3; Attac 8; Camphechlor; Camphechlore; Camphene, chlorinated; Camphene, octachloro-; Camphochlor; Camphofene huileux; Caswell No. 861; CCRIS 600; Chem-Phene; Chlorinated Camphenes; Chlorocamphene; Clor Chem T-590; Clor Chem T-590 Insecticide; Compound 3956; Coopertox; Cotton-Tox MP 82; Crestoxo; Cristoxo; Cristoxo 90; Dr Roger's TOX-ENE; EINECS 232-283-3; ENT 9,735; EPA Pesticide Chemical Code 080501; Estonox; Fasco-terpene; Felco/Land O'Lakes Toxaphene; Geniphene; Grower Service Toxaphene 6E; Grower Service Toxaphene MP; Gy-phene; Hercules 3956; Hercules Toxaphene Emulsifiable Concentrate; HSDB 1616; Kamfochlor; Latka 3956; M 5055; Melipax; Motox; NCI-C00259; Octachloro-camphene; PchK; Penphene; Phenacide; Phenatox; Poly-chlorcamphene; Polychlorinated camphenes; Polychloro-camphene; RCRA waste number P123; Red Top Toxaphene 8 Spray; Rigo Toxaphene 8; Royal Brand Bean Tox 82; Security Motox 63 cotton spray; Security Tox-MP cotton spray; Security Tox-Sol-6; Strobane-T; Strobane T-90; Synthetic 3956; Technical chlorinated camphene; Toxadust; Toxafeen; Toxakil; Toxaphen; Toxaphene; Toxaphene 8 EC; Toxaphene 8 Emulsifiable Insecticide; Toxaphene 90-10; Toxaphene E-8; Toxon 63; Toxyphen; Vertac 90%; Vertac toxaphene 90. Registered by EPA as an insecticide (cancelled). Designated as a Persistent Organic Pollutant (POP) under the Stockholm con-vention. Yellow solid; mp = 65-90°; d^{25} = 1.630; log P = 6.44; slightly

soluble in H_2O (0.0003 g/100 ml), readily soluble in aromatic hydrocarbons; LD_{50} (mrat orl) = 90 mg/kg, (frat orl) = 80 mg/kg, (mrat der) = 1075 mg/kg, (frat der) = 780 mg/kg. *Sigma-Aldrich Co.*

3823 Tramazoline

1082-57-1 9643 D



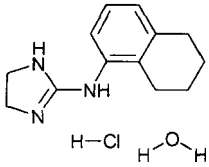
$C_{13}H_{17}N_3$

2-[(5,6,7,8-Tetrahydro-1-naphthyl)amino]-2-imidazoline.

EINECS 214-105-6; Tramazolina; Tramazoline; Tramaz-olinum. An α-adrenergic agonist. Used as a nasal de-congestant. Crystals; mp = 142-143°. *Boehringer Ingelheim GmbH; Thomae GmbH Dr. Karl.*

3824 Tramazoline hydrochloride monohydrate

3715-90-0 9643 D



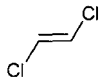
$C_{13}H_{20}ClN_3O$

2-[(5,6,7,8-Tetrahydro-1-naphthyl)amino]-2-imidazoline monohydrochloride monohydrate.

Adolonta; Amadol; Biciron; Calmador; Contramol; Dolol; Dolsic; Dolzam; EINECS 223-064-3; Ellatun; Exopen; Forgesic; Fortradol; Jutadol; KB-227; Lumidol; Mandolgin; Nobligan; Nycodol; Paxilfar; Prontofort; Rhinaspray; Rhinogutt; Rhinospray; Rinogutt; Sylator; Tiparol; Towk; Tradol; Tradolan; Tralgiol; Trama 1A Pharma; Trama AbZ; Trama-BASF; Trama-Dorsch; Trama KD; Trama-Sonorania; Tramaβ; Tramabene; Tramadol acis; Tramadol AL; Tramadol-Dolgit; Tramadol Helvepharm; Tramadol Heumann; Tramadol-Mepha; Tramadol PB; Tramadol Stada; Tramadolhydrochlorid Fresenius; Tramadol-hydrochlorid Gerot; Tramadolor; Tramagit; Tramake; Tramandol AWD; Tramazoline hydrochloride; Tram-azoline hydrochloride monohydrate; Tramdolar; Tram-undin; Trodon; Trunal DX; Zamadol; Zydol; Zyndol. An α-adrenergic agonist (vasoconstrictor). Used as a nasal decongestant. mp = 172-174°; soluble in H_2O; LD_{50} (mus orl) = 195 mg/kg. *Boehringer Ingelheim GmbH; Thomae GmbH Dr. Karl.*

3825 trans-1,2-dichloroethylene

156-60-5 H



$C_2H_2Cl_2$

(E)-1,2-Dichloroethylene.

4-01-00-00709 (Beilstein Handbook Reference); AI3-28786; BRN 1420761; CCRIS 2505; trans-1,2-Dichloroethene; trans-1,2-Dichloroethylene; EINECS 205-860-2; Ethene, 1,2-dichloro-, (E)-; Ethylene, 1,2-dichloro-, (E)-; Ethylene, 1,2-dichloro-, trans-; HCC 1130t; HSDB 6361; NSC 60512; R 1130t; RCRA waste number U079. Liquid; mp = -49.8°, bp = 48.7°; d^{20} = 1,2565; slightly soluble in H_2O, soluble in CCl_4, very soluble in C_6H_6, $CHCl_3$, very soluble in EtOH, Et_2O, Me_2CO.

3826 trans-But-2-ene

624-64-6 H

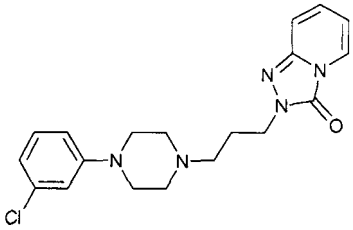
C_4H_8

1,2-Dimethylethylene (E).

(E)-But-2-ene; 2-Butene, (E)-; 2-Butene, (2E)-; 2-Butene-trans; 2-trans-Butene; trans-2-Butene; β-trans-Butylene; EINECS 210-855-3; HSDB 5723; Low-boiling butene-2; trans-1,2-Dimethylethylene. Gas; mp = -105.5°; bp = 0.8°; d^{25} = 0.599; λ_m = 163, 177, 187, 202 nm (ε = 7943, 12589, 6310, 501, gas); soluble in C_6H_6.

3827 Trazodone

19794-93-5 9654 D



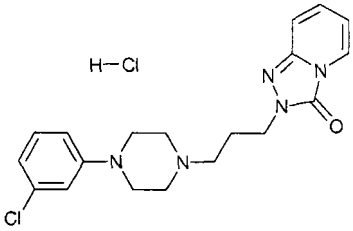
$C_{19}H_{24}ClN_5O$

2-[3-[4-m-Chlorophenyl)-1-piperazinyl]propyl]-s-triazolo-[4,3-a]pyridin-3(2H)-one.

Beneficat; BRN 0628010; Desirel; EINECS 243-317-1; Sideril; Trazalon; Trazodil; Trazodon; Trazodona; Trazodone; Trazodonum; Trazonil. Antidepressant. mp = 86-87°; pKa (50% EtOH) ■ 6.14. *Angelini Francesco.*

3828 Trazodone hydrochloride

25332-39-2 9654 D



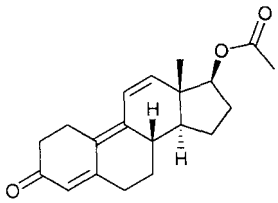
$C_{19}H_{25}Cl_2N_5O$

2-[3-[4-m-Chlorophenyl)-1-piperazinyl]propyl]-s-triazolo-[4,3-a]pyridin-3(2H)-one monohydrochloride.

AF 1161; Apo-Trazodone; Azona; Bimaran; Desyrel; Devidon; EINECS 246-855-5; HSDB 7048; KB-831; Molipaxin; NSC 292811; Pragmazone; Thombran; Tombran; Trazodone hydrochloride; Trazolan; Tritico; Triticum; Trittico. Antidepressant. Crystals; mp = 233°; soluble in $CHCl_3$, less soluble in polar solvents, practically insoluble in common organic solvents; λ_m = 211, 246, 274, 312 nm (ε 50100, 11730, 3840, 3820); LD_{50} (mus iv) = 96 mg/kg. *Angelini Francesco; Lemmon Co.; Mead Johnson Pharmaceuticals.*

3829 Trenbolone acetate

10161-34-9 9659 D G



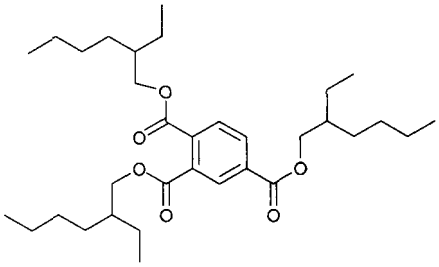
$C_{20}H_{24}O_3$

17β-Hydroxyestra-4,9,11-trien-3-one acetate.

BRN 2012395; Component T-S; EINECS 233-432-5; Finaplix; RU-1697; Trenbolone acetate. An anabolic agent. Crystals; mp = 96-97°; $[\alpha]_D^{20}$ = 36.8° (c = 0.37 MeOH). *Roussel-UCLAF.*

3830 Tri-2-ethylhexyl trimellitate

3319-31-1 G H



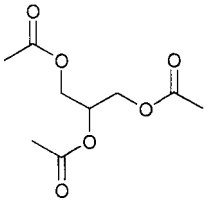
$C_{33}H_{54}O_6$

1,2,4-Benzenetricarboxylic acid, tris(2-ethylhexyl) ester.

1,2,4-Benzenetricarboxylic acid, tris(2-ethylhexyl) ester; BRN 2683525; CCRIS 4733; EINECS 222-020-0; Hatcol 200; HSDB 6145; Kodaflex® TOTM; Monosizer W710L; Morflex 510; PX-388; Staflex TOTM; TOTM; Tri-(2-ethylhexyl)trimellitate; Trimex T 08; Tris(2-ethylhexyl) trimellitate. Primary plasticizer used in vinyl film and vinyl-coated fabrics. Oil; bp = 414°; d = 0.9890; LD_{50} (mus orl) >60 g/kg. *Aristech; Eastman Chem. Co.*

3831 Triacetin

102-76-1 9664 G H



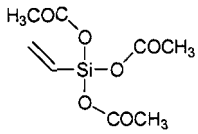
$C_9H_{14}O_6$

Glyceryl triacetate.

4-02-00-00253 (Beilstein Handbook Reference); AI3-00661; BRN 1792353; EINECS 203-051-9; Enzactin; FEMA Number 2007; Fungacetin; Glycerin triacetate; Glycerol triacetate; Glyceryl triacetate; Glyped; HSDB 585; Kesscoflex TRA; Kodaflex® triacetin; NSC 4796; Triacetin; Triacetina; Triacetine; Triacetinum; Triacetyl glycerine; Triacetylglycerol; Vanay. Low-toxicity plasticizer for vinyl compounds; used in adhesives, resinous and polymeric coatings, paper, and paperboard for food contact; water-insol. hydroxyethyl cellulose films, as a plasticizer; fixative in perfumery; manufacture of cosmetics; specialty solvents, manufacture of celluloid, photographic films; used medically as a topical antifungal agent. Crystals; mp = -78°; bp = 259°; d^{20} = 1.1583; slightly soluble in H_2O, CS_2, ligroin; very soluble in Me_2CO, freely soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$; LD_{50} (mus iv) = 1600 ± 81 mg/kg. *Bayer AG; Eastman Chem. Co.; MTM Spec. Chem. Ltd.; Penta Mfg.; Spectrum Chem. Manufacturing; Unichema; Whitehall-Robins.*

3832 Triacetoxyvinylsilane

4130-08-9 G



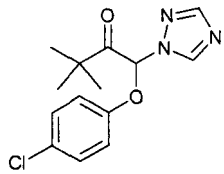
$C_8H_{12}O_6Si$

Vinyltriacetoxysilane.

CV4800; Dow Corning® Z-6075; EINECS 223-943-1; NSC 93913; SH 6075; Silanetriol, ethenyl-, triacetate; Silanetriol, vinyl-, triacetate; Triacetoxyvinylsilane; Vinyltriacetoxysilane; Z 6075. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used for polyesters, polyolefins, EPDM, EPM (peroxide cured). Liquid; mp = 7°; bp_{13} = 112°, bp_{10} = 115°; d^{20} = 1.169. *Degussa-Hüls Corp.; Dow Corning.*

3833 Triadimefon

43121-43-3 9723 G P



$C_{14}H_{16}ClN_3O_2$

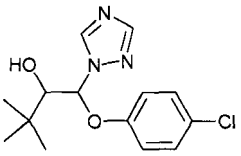
1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl) butan-2-one.

5-26-01-00123 (Beilstein Handbook Reference); Acizol; Adifon; Amiral; Azocene; Bay 6681 f; Bay MEB 6447; Bayleton; Bayleton 250 ec; Bayleton BM; Bayleton BM gel; Bayleton CF; Bayleton Total; Bayleton triple; Bonide Bayleton Systemic Fungicide; 2-Butanone, 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)-; 2-Butanone, 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1, 2,4-triazol-1-yl)-; BRN 0619231; Caswell No. 862AA; 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)but-anone; 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone; Diametom B; EINECS 256-103-8; EPA Pesticide Chemical Code 109901; Green Light Fung-Away Fungicide; Haleton; HSDB 6857; MEB 6447; Mighty; Miltek; Monterey Bayleton; NSC 303303; Nurex; Otria 25; Reach; Rofon; SA Systemic Fungicide for Turf & Ornamentals; Strike; Tenor; Tidifon; Traidimefon; Tria-dimefone; Triadimephon; Triamefon; 1-(1,2,4-Triazoyl-1)-1-(4-chloro-phenoxy)-3,3-dimethylbutanone; 1H-1,2,4-Tri-azole, 1-((tert-butylcarbonyl-4-chlorophenoxy)-methyl)-; Tridemifone; Typhon. Systemic fungicide with protective and curative action. Used for control of powdery mildews in cereals, apples, hops, raspberries, strawberries and other cane fruits plus American gooseberry mildew on all varieties of blackcurrants and gooseberries. Also used for the control of diseases in turf and the control of powdery mildew, rusts and blight of ornamental plants. Crystals; mp = 82°; sg^{20} = 1.22; soluble in H_2O (0.026 g/100 ml), moderately soluble in organic solvents, CH_2Cl_2 (> 20 g/100 ml), C_7H_8 (> 20 g/100 ml), i-PrOH (10 - 20 g/100 ml), C_6H_{14} (1 - 2 g/100 ml); LD_{50} (mrat orl) = 568 mg/kg, (frat orl) = 313 mg/kg, (mus orl) = 989 - 1071 mg/kg, (rbt orl) = 500 mg/kg, (mdog orl) > 500 mg/kg(rat der) > 5000 mg/kg, (rbt der) > 2000 mg/kg, (canary orl) > 1000 mg/kg, (Japanese quail 1750 - 2500 mg/kg), (mallard duck orl) >

4000 mg/kg, (ckn orl) = 5000 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.48 mg/l air, (mallard duck 8 day dietary) > 10000 mg/kg diet, (bobwhite quail 8 day dietary) > 4640 mg/kg diet, (bluegill sunfish 96 hr.) = 11 mg/l, (goldfish 96 hr.) = 10 - 50 mg/l, (orfe 96 hr.) = 13.8 mg/l, (rainbow trout 96 hr.) = 14 mg/l, (carp 48 hr) = 7.6 mg/l; non-toxic to bees. *Bayer AG; Lawn & Garden Products Inc.*

3834 Triadimenol

55219-65-3 9667 G P

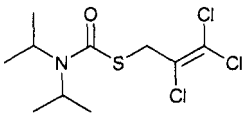


$C_{14}H_{18}ClN_3O_2$

β-(4-Chlorophenoxy)-α-(1,1-dimethylethyl)-1,2,4-triazole-1-ethanol. BAY KWG 0519; Bayfidan; Bayfrdan EW; Baytan; Baytan 15; Baytan TF 3479B; Caswell No. 074A; EINECS 259-537-6; EPA Pesticide Chemical Code 127201; KWG 0519; Spinnaker; Summit; Triadimenol; Triafol; Triaphol; Tridan Fungicide; UK 199. Fungicide used to control powdery mildew, rusts, and rhychosporium in winter and spring crops of wheat, barley, oats, and rye.Inhibits ergosterol biosynthesis in fungi. Emulsifiable concentrate containing 250 g/l triadimenol; used to control powdery mildew, rusts and rhychosporium in winter and spring crops of cereals, beet and brassicas. Registered by EPA as a fungicide. Colorless crystals; mp = 112 - 117°; soluble in H_2O (0.0095 g/100 ml), soluble in C_6H_{14} (0.01 - 0.1 g/100 ml), CH_2Cl_2 (10 - 20 g/100 ml), i-PrOH (10 - 20 g/100 ml), C_7H_8 (2 - 5 g/100 ml), also soluble in EtOH, ketones; LD_{50} (rat orl) = 700 - 1200 mg/kg, (mrat orl) = 1161 mg/kg, (frat orl) = 1105 mg/kg, (rat der 24 hours) > 5000 mg/kg, (Japanese quail orl) = 1750 - 2500 mg/kg, (hen orl) > 2000 mg/kg, (canary orl) > 1000 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.45 mg/l air, (goldfish 96 hr.) = 10 - 50 mg/l, (golden orfe 96 hr.) = 17.4 mg/l, (rainbow trout 96 hr.) = 17 - 25 mg/l, (bluegill sunfish 96 mr.) = 15 mg/l; non-toxic to bees. *Bayer AG; Gustafson LLC; Shell UK; Wilbur Ellis Co.*

3835 Triallate

2303-17-5 9726 G H P

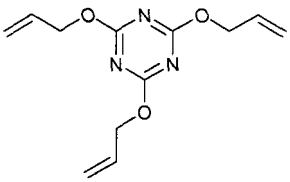


$C_{10}H_{16}Cl_3NOS$

S-(2,3,3-trichloro-2-propenyl) bis(1-methylethyl)carbamo-thioate. Avadex BW; Bis(1-methylethyl)carbamothioic acid, S-(2,3,3-trichloro-2-propenyl)ester; BRN 1875853; Carb-amic acid, diisopropylthio-, S-(2,3,3-trichloroallyl) ester; Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-tri-chloro-2-propenyl) ester; Caswell No. 870A; CCRIS 5383; CP 23426; Diisopropylthiocarbamic acid S-(2,3,3-trichloroallyl) ester; N-Diisopropylthiocarbamic acid S-2,3,3-trichloro-2-propenyl ester; Diisopropyltrichloro-allylthiocarbamate; N,N-Diisopropyl-2,3,3-trichlorallyl-thiolcarbamat; Dipthal; EINECS 218-962-7; EPA Pesticide Chemical Code 078802; Far-Go; HSDB 1780; NSC 379698; 2-Propene-1-thiol, 2,3,3-trichloro-, diisopropyl-carbamate; RCRA waste no. U389; Thiocarbamic acid, N-diisopropyl-, S-2,3,3-trichloroallyl ester; Tri-allate; Triallat; Triallate; Triamyl; 2,3,3-Trichloroallyl diisopropylthiocarbamate; 2,3,3-Trichlorallyl-N,N-(diiso-propyl)-thiocarbamat; S-(2,3,3-Trichloroallyl) diisopropyl-thiocarbamate; S-2,3,3-Trichloroallyl N,N-diisopropyl-thiocarbamate; 2,3,3-Trichloro-2-propene-1-thiol diiso-propylcarbamate; S-(2,3,3-Trichloro-2-propenyl) bis(1-methylethyl)carbamothiote. Selective herbicide for control of wild oats, slender foxtail and bent grass in sugar beet and feed turnips, summer and winter barley, winter rye. Registered by EPA as a herbicide. Amber oil - crystals; mp = 29-30°; $bp_{0.0003}$ = 117°; sg^{25} = 1.273; slightly soluble in H_2O (0.0004 g/100 ml), more soluble in organic solvents; LD_{50} (rat orl) = 1100 mg/kg, (rbt der) = 8200 mg/kg, (bobwhite quail orl) > 2251 mg/kg; LC_{50} (mallard duck, bobwhite quail 8 day dietary) > 5000 mg/kg diet, (rainbow trout 96 hr.) = 1.2 mg/l, (bluegill sunfish 96 hr.) ◘ 1.3 mg/l, (*Daphnia* 48 hr.) ◘ 0.43 mg/l; non-toxic to bees. *BASF Corp.; Bayer AG; Monsanto Co.*

3836 Triallyl cyanurate

101-37-1 G

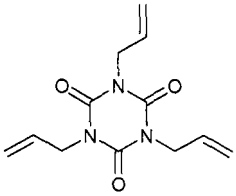


$C_{12}H_{15}N_3O_3$

1,3,5-Triazine, 2,4,6-tris(2-propenyloxy)-. 5-26-03-00532 (Beilstein Handbook Reference); Activator OC; AI3-25448; BRN 0235560; Cyanuric acid, tri-2-propenyl ester; Cyanuric acid triallyl ester; EINECS 202-936-7; NSC 4804; Perkalink® 300; Perkalink® 300-50D; Rhenofit TAC; TAC; Triallyl cyanurate; Tripropargyl cyanurate; 2,4,6-Tri(allyloxy)-s-triazine; 2,4,6-Triallyloxy-1,3,5-triazine; 1,3,5-Triazine, 2,4,6-tris(2-propenyloxy)-; s-Triazine, 2,4,6-tris(allyloxy)-; 2,4,6-Triprop-2-ynyloxy-s-triazine; 2,4,6-Tris(allyloxy)triazine; 2,4,6-Tris(allyloxy)-1,3,5-triazine; 2,4,6-Tris(allyloxy)s-triazine. Co-agent to improve efficiency of peroxide-induced crosslinking of rubber; sensitizer for radiation-cured compounds. Used in polymers as a monomer and modifier; also used as an organic intermediate. *Akzo Chemie; Am. Cyanamid; Degussa AG; National Starch & Chem. UK.*

3837 Triallyl isocyanurate

1025-15-6 G

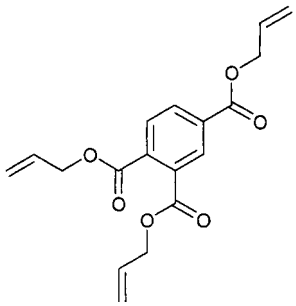


$C_{12}H_{15}N_3O_3$

Triallyl-s-triazine-2,4,6(1H,3H,5H)-trione. 4-26-00-00637 (Beilstein Handbook Reference); AI3-60290; BRN 0225482; CCRIS 6105; DIAK 7; EINECS 213-834-7; Isocyanuric acid triallyl ester; NSC 11692; TAIC; Triallyl isocyanurate; 1,3,5-Triallyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione; 1,3,5-Triallyl isocyanurate; 1,3, 5-Triallylisocyanuric acid; 1,3,5-Triazine-2,4,6(1H,3H, 5H)-trione, 1,3,5-tri-2-propenyl-; s-Triazine-2,4,6(1H,3H, 5H)-trione, 1,3,5-triallyl-.; isocyanuric acid triallyl ester; 1,3,5-triallyl-s-triazine-2,4,6(1H,3H,5H)-trione; DIAK 7; TAIC. Co-agent improving peroxide-induced crosslinking of rubber. Stabilized with 100 ppm BHT. Liquid; mp = 20.5°; bp_4 = 149-152°, $bp_{0.5}$ = 105°; d^{20} = 1.1590. *Akzo Chemie.*

3838 Triallyl trimellitate

2694-54-4 G



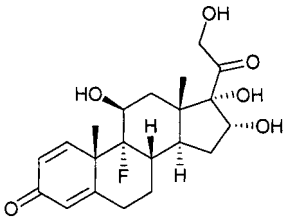
$C_{18}H_{18}O_6$

Tri-2-propenyl 1,2,4-benzenetricarboxylate.

1,2,4-Benzenetricarboxylic acid, tri-2-propenyl ester; 1,2,4-Benzenetricarboxylic acid, triallyl ester; EINECS 220-264-2; Sipomer® TATM; TATM; Triallyl benzene-1,2,4-tricarboxylate; Triallyl trimellitate; 1,2,4-Triallyl trimellitate; Triam 705; Trimellitic acid triallyl ester. Liquid; mp = -30°; bp4 = 210°; d = 1.160. *Rhône Poulenc Surfactants.*

3839 Triamcinolone

124-94-7 9670 D



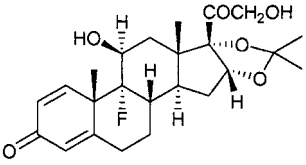
$C_{21}H_{27}FO_6$

(11β,16α)-9-Fluoro-11,16,17,21-tetrahydroxypregna-1,4-diene-3,20-dione.

4-08-00-03629 (Beilstein Handbook Reference); Adcortyl; Aristocort; BRN 2341955; Celeste; Cinolone; Cinolone-T; CL-19823; Delphicort; EINECS 204-718-7; Fluoxy-prednisolone; HSDB 3194; Kenacort; Kenacort-AG; Ledercort; NSC 13397; Omcilon; Omicilon; Orion; Polcortolon; Rodinolone; SK-Triamcinolone; Tiamcinol-onum; Triam-Tablinen; Triamcet; Triamcinlon; Triam-cinolon; Triamcinolona; Triamcinolone; Triamcinolonum; Tricortale; Volon. Glucocorticoid. mp = 269-271°; $[\alpha]_D^{25}$= 5° (Me_2OH); λ_m = 238 nm (ε 15800). *Am. Cyanamid; Bristol-Myers Squibb Co.; Fujisawa Pharm. USA Inc.*

3840 Triamcinolone acetonide

76-25-5 9671 D



$C_{24}H_{31}FO_6$

(11β,16α)-9-Fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione.

5-19-06-00568 (Beilstein Handbook Reference); Acetospan; Adcortyl; *Adcortyl A; Aristocort;* Aristocort A; Aristocort acetonide; Aristoderm; Aristogel; Azmacort; BRN 0060069; CCRIS 5231; Coupe-A; Delphicort; EINECS 200-948-7; Extracort; Flutone; Ftorocort; Kenacort-A; Kenalog; Kenalone; Ledercort Cream; Myco-Triacet II; Mycolog II; Mytrex; Nasacort; Nasacort AQ; NSC 21916; Omcilon A; Panolog; Polcortolon; Respicort; Rineton; Solodelf; TAC-3; TAC-40; Tramacin; Triacet; Triaceton; Triam; Triam-Injekt; Triamcinolone acetonide; Triamonide 40; Triamsinolone acetonide; Tricinolon; Trymex; Vetalog; Volon A; Volon A 40; Volonimat.; component of: Mycolog II, Myco-Triacet II, Mytrex, Panolog. Glucocorticoid; antiasthmatic (inhalant); antiallergic (nasal). mp = 292-294°; $[\alpha]_D^{23}$= +109° (c = 0.75 $CHCl_3$); λ_m = 238nm (ε 14600 EtOH); sparingly soluble in MeOH, Me_2OH, EtOAc. *Am. Cyanamid; Baker Petrolite Corp.; Bristol-Myers Squibb Co.; Forest Pharm. Inc.; Herbert; Johnson & Johnson Med. Inc.; Lemmon Co.; Olin Mathieson; Rhône-Poulenc Rorer Pharm. Inc.; Savage Labs.*

3841 Triamcinolone acetonide 21-hemisuccinate

9671 D

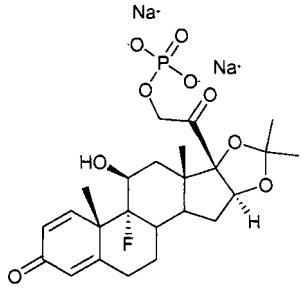
$C_{28}H_{35}FO_9$

(11β,16α)-9-Fluoro-11-hydroxy-16,17-[(1-methylethyl-idene)-bis(oxy)]pregna-1,4-diene-3,20-dione 21-hemi-succinate.

Solutedarol. Glucocorticoid; antiasthmatic (inhalant); antiallergic (nasal). *Am. Cyanamid; Olin Mathieson.*

3842 Triamcinolone acetonide sodium phos-phate

1997-15-5 9671 D



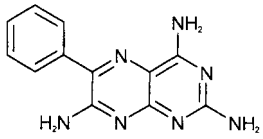
$C_{24}H_{30}FNa_2O_9P$

(11β,16α)-9-Fluoro-11-hydroxy-16,17-[1-methylethyl-idinebis(oxy)]-21-(phosphonooxy)pregna-1,4-diene3,20-dione disodium salt.

Aristosol; CL 61965; CL 106359; EINECS 217-878-8; Triamcinolone acetonide 21-disodium phosphate; Triam-cinolone acetonide sodium Phosphate. Glucocorticoid; antiasthmatic (inhalant); antiallergic (nasal). *Am. Cyanamid; Olin Mathieson.*

3843 Triamterene

396-01-0 9674 D



$C_{12}H_{11}N_7$

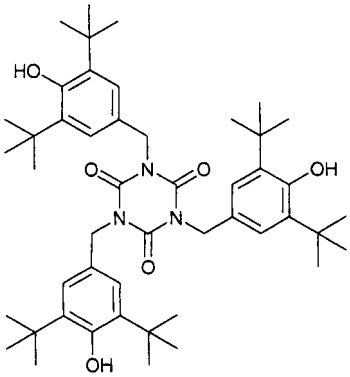
2,4,7-Triamino-6-phenylpteridine.

Ademin; Ademine; Amteren; Anjal; Apo-triazide; Dazid; Diarol; Dinazide; Diucelpin; Diutensat; Diuteren; Dyazide; Dyberzide; Dyrenium; Dytenzide; Esiteren; Fluss 40; Hidiurese; Hydrene; Hypertorr; Isobar; Jatropur; Jenateren; Kalspare; Masuharmin; Maxzide; Nephral; NSC-77625; Pterofen; Pterophene; Renezide; Reviten; Sali-Puren; SK&F-8542; Teriam; Thiazid Wolff; Triamizide; Triamterene; Triamthiazid; Triazide; Tricilone; Trispan; Triteren; Triurene; Trizid; Turfa; Uretren; Urocaudal. Aldosterone antagonist. Potassium sparing diuretic. mp= 316°, 327°; λ_m = 356 nm (ε =

21000, 4.5% HCOOH), 288, 361 nm (ε = 7079, 19953, EtOH). *SmithKline Beecham Pharm.*

3844 s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-

27676-62-6 H



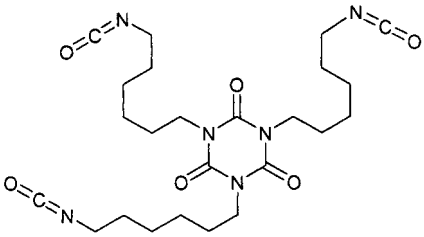
$C_{48}H_{69}N_3O_6$

1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-tri-azine-2,4,6(1H,3H,5H)-trione.

EINECS 248-597-9; s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-; 1,3,5-Tris-(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione.

3845 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)-

3779-63-3 H



$C_{24}H_{36}N_6O_6$

(2,4,6-Trioxotriazine-1,3,5(2H,4H,6H)-triyl)tris(hexa-methylene)isocyanate.

EINECS 223-242-0; Isocyanic acid, (2,4,6-trioxo-s-tri-azine-1,3,5(2H,4H,6H)-triyl)tris(hexamethylene) ester; (2, 4,6-Trioxotriazine-1,3,5(2H,4H,6H)-triyl)tris(hexamethyl-ene)isocyanate; 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)-.

3846 s-Triazole

288-88-0 9679 G H

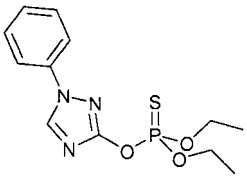
$C_2H_3N_3$

1H-1,2,4-Triazole.

AI3-51031; CGA-71019; EINECS 206-022-9; NSC 83128; Pyrrodiazole; 1,2,4-Triazole; 1H-1,2,4-Triazole; s-Triaz-ole; TA. Chemical intermediate. Crystals mp = 119-121°; bp = 260°; soluble in H_2O, organic solvents; LD_{50} (rat orl) = 1750 mg/kg.

3847 Triazophos

24017-47-8 9680 G P



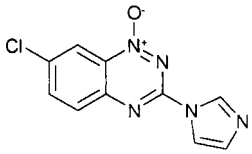
$C_{12}H_{16}N_3O_3PS$

O,O-Diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosph-orothioate.

AI3-27764; BRN 0682554; O,O-Diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl)phosphorothioate; EINECS 245-986-5; HOE 2960; HOE 2960 OJ; Hostathion; HSDB 6455; Methoxone; 1-Phenyl-3-(O,O-diethyl-thionophosphoryl)-1,2,4-triazole; 1-Phenyl-1,2,4-triazolyl-3-(O,O-diethyl-thionophosphate); Phosphorothioic acid, O,O-diethyl O-(1-phenyl-1,2,4-triazolyl) ester; Phosphorothioic acid, O,O-diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) ester; Triazofos; Triazofosz; Triazophos. Broad spectrum insecticide and acaricide. Used for control of aphids and insects in a wide variety of crops. Pale yellow oil; mp = 2 - 5°; dec. < bp; d^{20} = 1.247; soluble in H_2O (0.003 - 0.004 g/100 ml), EtOAc (> 90 g/100 ml), Me_2CO (> 79 g/100 ml), EtOH (26 g/100 ml), C_7H_8 (28 g/100 ml), C_6H_{14} (0.59 g/100 ml); LD_{50} (rat orl) = 57 - 68 mg/kg, (dog orl) > 320 mg/kg, (rat der) = 1100 mg/kg, (Japanese quail orl) = 4.2 - 27.1 mg/kg; LC_{50} (carp 96 hr.) = 5.6 mg/l, (goldfish 96 hr.) ◘ 8.4 mg/l), (golden orfe 96 hr.) = 11 mg/l; toxic to bees. *AgrEvo; ICI Chem. & Polymers Ltd.*

3848 Triazoxide

72459-58-6 9681 P



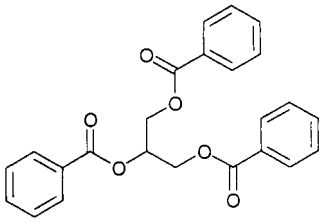
$C_{10}H_6ClN_5O$

7-Chloro-3-(1H-imidazol-1-yl)-1,2,4-benzotriazine-1-oxide.

EINECS 276-668-4; SAS 9244; Triazoxide. Fungicide. Light yellow crystals; mp = 182°; soluble in H_2O (0.003 g/100 ml at 20°), C_6H_{14} (< 0.1 g/100 ml), CH_2Cl_2 (5 - 10 g/100 ml), i-PrOH (0.2 - 0.5 g/100 ml), C_7H_8 (2 - 5 g/100 ml); LD_{50} (rat orl) = 100 - 200 mg/kg, (rat der) > 5000 mg/kg; LC_{50} (rat ihl 4 hr.) = 0.8 - 3.2 mg/l air. *Bayer Corp., Agriculture.*

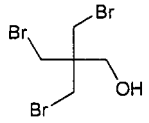
3849 Tribenzoin

614-33-5 G



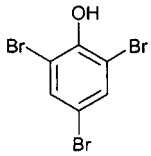
$C_{24}H_{20}O_6$
Glyceryl tribenzoate.
AI3-08196; EINECS 210-379-6; FEMA No. 3398; Glycerol tribenzoate; NSC 2230; 1,2,3-Propanetriol, tribenzoate; Tribenzoin; Uniplex 260. Polymer modifier; plasticizer; for heat seal applications, lacquers, films, in PVAc-based adhesives, cellophane coatings, nitrocellulose coatings, nail lacquer formulations, printing inks, polishes; extrusion and injection molding processing aid. Needles; mp = 76°; d^{12} = 1.228; insoluble in H_2O, soluble in EtOH, very soluble in Et_2O, Me_2CO, C_6H_6, $CHCl_3$. *Unitex.*

3850 Tribromoneopentyl alcohol
36483-57-5 G



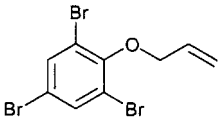
$C_5H_9Br_3O$
2,2-Bis(bromomethyl)-3-bromo-1-propanol.
2,2-Dimethyl-1-propanol tribromo deriv.; 2,2-Dimethyl-propan-1-ol, tribromo derivative; EINECS 253-057-0; FR 1360; 1-Propanol, 2,2-*dimethyl-, tribromo* deriv.; TBNPA; Tribromoneopentyl alcohol; FR-513. Flame retardant for flexible and rigid PU; flame retardant intermediate. White to off white flakes; mp = 62-67°; d = 2.28; soluble in alchols; LD_{50} (rat orl) = 2823 mg/kg; irritant to eyes, mild irritant to skin. *Amerihaas; Dead Sea Bromine.*

3851 Tribromophenol
118-79-6 9687 G H



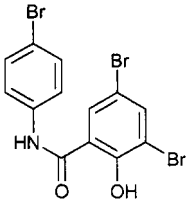
$C_6H_3Br_3O$
2,4,6-Tribromophenol.
AI3-14896; Bromkal pur 3; Bromol; CCRIS 1658; EINECS 204-278-6; Flammex 3BP; HSDB 5584; NSC 2136; Phenol, 2,4,6-tribromo-; TA 10; Tribromophenol; 2,4,6-Tribromophenol. Reactive flame retardant used mainly as an intermediate for polymeric flame retardants. Also used as a caustic and disinfectant. White needles or prisms; mp = 95.5°; bp = 286°; d^{20} = 2.55; λ_m = 289, 297 nm (cyclohexane); slightly soluble in H_2O, CCl_4, soluble in Et_2O, C_6H_6, $CHCl_3$, AcOH, very soluble in EtOH; LD_{50} (rat orl) = 2000 mg/kg; hazard by ingestion, inhalation, skin. *AmeriBrom Inc.; Dead Sea Bromine; Fluka; Great Lakes Fine Chem.; Sigma-Aldrich Fine Chem.*

3852 Tribromophenyl allyl ether
3278-89-5 G



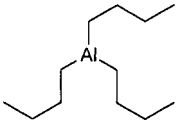
$C_9H_7Br_3O$
Allyl 2,4,6-Trobromophenyl ether.
2-(Allyloxy)-1,3,5-tribromobenzene; Allyl 2,4,6-tribromophenyl ether; Benzene, 1,3,5-tribromo-2-(2-prop-enyloxy)-; EINECS 221-913-2; Ether, allyl 2,4,6-tribromo-phenyl; NSC 35767; TBP-AE; 2,4,6-Tribromophenylallyl ether; FR-913. Aromatic flame retardant for expandable PS; synergist with hexabromocyclododecane. White to off-white crystal powder; mp = 74-76°; d = 2.20; LD_{50} (rat orl) > 5000 mg/kg; (rbt der) > 2000 mg/kg. *AmeriBrom Inc.; Amerihaas; Dead Sea Bromine.*

3853 Tribromsalan
87-10-5 9690 G P



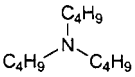
$C_{13}H_8Br_3NO_2$
3,4',5-Tribromosalicylanilide.
Agramed; AI3-25516; ASC-4; Benzamide, 3,5-dibromo-N-(4-bromophenyl)-2-hydroxy-; BRN 2146888; Brom-salans; Caswell No. 863; CCRIS 5745; Diaphene; 3,5-Dibromo-N-(4-bromophenyl)-2-hydroxybenzamide; 3,5-Dibromosalicylic acid p-bromoanilide; ENT 25516; EPA Pesticide Chemical Code 077404; ET-394; Lamar L-300; Temaspet IV; Tuasol 100; NSC-20526; Polybrominated salicylanilide; Salicylanilide, 3,4',5-tribromo-; Sherstat TBS; Stecker asc-4; TBS; TBS 95; Temasept; Temasept II; Temasept IV; Tempasept II; Tribromosalicylanilide; Tribromosalicylanilide, 3,4',5-; 3,4',5-Tribromosalicyl-anilide; Tribromsalan; Tribromsalanum; Trisanil; Trisanyl; Tuasal; Tuasol 100; Vancide TBS; WR 34912. Antimicrobial used in resins, latex emulsions, plastics. Registered by EPA as an antimicrobial and disinfectant (cancelled). Crystals; mp = 227°; λ_m = 220, 283, 330 nm (ε ■ 33884, 13804, 9772 EtOH); practically insoluble in H_2O; soluble in hot Me_2CO, DMF. *Colgate-Palmolive; Dow Chem. U.S.A.; Hexcel; Merrell Dow Pharm. Inc.; Sogeras.*

3854 Tributylaluminum
1116-70-7 H



$C_{12}H_{27}Al$
Tri-n-butylaluminum.
Aluminum, tributyl-; EINECS 214-240-0; HSDB 5784; Tri-n-butylaluminum; Tributylaluminum. Pyrophoric liquid.

3855 Tributylamine
102-82-9 9691 H

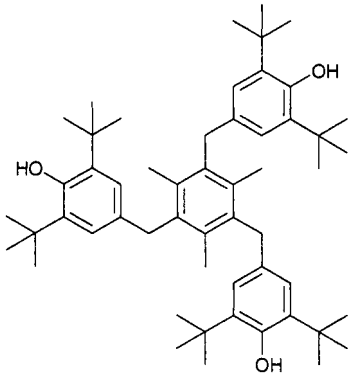


$C_{12}H_{27}N$
Tri-n-butylamine.
4-11-00-00122 (Beilstein Handbook Reference); AI3-15424; Amine, tributyl-; BRN 1698872; CCRIS 4879; EINECS 203-058-7; HSDB 877; N,N-Dibutyl-1-butan-amine; Tri-n-butylamine; Tributilamina; Tributylamine; Tris-n-butylamine; UN2542; UN3254. Clear liquid; mp = -70°; bp = 216.5°; d^{20} = 0.7770; λ_m = 242 nm (ε = 1000, $CHCl_3$); slightly soluble in H_2O, CCl_4, soluble in Me_2CO, C_6H_6, very soluble

in EtOH, Et_2O. *Union Carbide Corp.*

3856 2,4,6-Tri(3,5-di-tert-butyl-4-hydroxybenzyl)mesitylene

1709-70-2 H



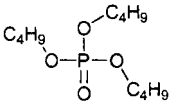
$C_{54}H_{78}O_3$

α,α',α-(2,4,6-Trimethyl-s-phenenyl)tris(2,6-di-tert-butyl-p-cresol.

Agidol 40; Ahydol; Antioxidant 40; Antioxidant 330; AO-40; BRN 2034522; EINECS 216-971-0; Ethanox 330; Ethyl 330; Ethyl Antioxidant 330; Ionox 330; Irganox 330; Methylene bis ethyl butyl phenol; NSC 85846; Santoquin emulsion; Santoquin mixture 6; α,α',α-(2,4,6-Trimethyl-s-phenenyl)tris(2,6-di-tert-butyl-p-cresol; 1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene; 1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)mesitylene.

3857 Tributyl phosphate

126-73-8 9692 G H



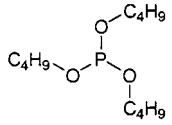
$C_{12}H_{27}O_4P$

Phosphoric acid, tributyl ester.

4-01-00-01531 (Beilstein Handbook Reference); AI3-00399; BRN 1710584; Butyl phosphate, $((BuO)_3PO)$; But-yl phosphate, tri-; CCRIS 6106; Celluphos 4; Disflamoll TB; EINECS 204-800-2; HSDB 1678; Kronitex® TBP; MCS 2495; NSC 8484; Phosphoric acid tributyl ester; TBP; Tri-n-butyl phosphate; Tributilfosfato; Tributoxy-phosphine oxide; Tributyl phosphate; Tributyl phosph-ateol; Tributyle (phosphate de); Tributylfosfaat; Tributyl-fosfat; Tributylphosphat; Tributylphosphate. Heat-ex-change medium; solvent extraction of metal ions; plasticizer for cellulose esters, lacquers, plastics, vinyl resins; antifoam agent; dielectric. Used as an antifoam for paints and as a pigment dispersant. Liquid; mp = -79°; bp = 289°; d^{25} = 0.9727; soluble in H_2O, Et_2O, C_6H_6, CS_2, freely soluble in EtOH. *Akzo Chemie; Chemron; FMC Corp.*

3858 Tributyl phosphite

102-85-2 G



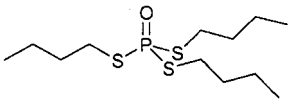
$C_{12}H_{27}O_3P$

tri-n-butyl phosphite.

4-01-00-01527 (Beilstein Handbook Reference); AI3-15022; BRN 1703866; 1-Butanol, 1,1',1"-phosph-inidynetri-; Butyl phosphite $((C_4H_9O)_3P)$; EINECS 203-061-3; JP 304; NSC 2675; Phosphorous acid, tributyl ester; Phosphorus tributoxide $(P(OBu)_3)$; Syn-O-Ad® P-312; Tri-n-butyl phosphite; Tributoxyphosphine; Tributyl phosphite; Tributylfosfit. Antioxidant and antiwear agent in gear and transmission oils. Used as an additive for greases and extreme pressure lubricants; stabilizer for fuel oils and polyamides; gasoline additive. Liquid; mp = -80°; bp_{26} = 137°, bp_{12} = 122°, bp_7 = 118-125°; d^{20} = 0.9259; slightly soluble in CCl_4, soluble in EtOH, very soluble in Et_2O. *Akzo Chemie; Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; Janssen Chimica.*

3859 Tributylphosphorotrithioate

78-48-8 G H



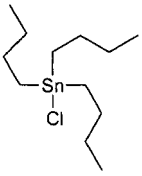
$C_{12}H_{27}OPS_3$

S,S,S-Tributyl phosphorotrithioate.

AI3-25812; B-1,776; B 1776; BRN 1910992; Butifos; Butiphos; Butyl phosphorotrithioate; Butyl phosphoro-trithioate $((BuS)_3PO)$; Caswell No. 864; Chemagro B-1776; De-Green; DEF; DEF defoliant; E-Z-Off D; EINECS 201-120-8; EPA Pesticide Chemical Code 074801; Fos-Fall A; Fossfall; HSDB 668; Ortho phosphate defoliant; Phosphorotrithioic acid, S,S,S-tributyl ester; TBTP; Tribufos; Tribuphos; . S,S,S-Tributyl phosphorotrithioate; S,S,S-Tributyl trithiophosphate; S,S,S-Tributylphosphoro-trithioate; S,S,S-Tributyltrithiofosfat; S,S,S-Tributyltrithio-phosphate; Foiex 6EC; FOS-FALL "A". Plant growth regulator which acts as a defoliant. Used on cotton to facilitate harvesting. Registered by EPA as a herbicide. mp < -25°; $bp_{0.3}$ = 150°; d^{20} = 1.057; n_D^{25} = 1.532; poorly soluble in H_2O (2.3 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 233 mg/kg. *Aventis Crop Science; Bayer AG; Bayer Corp.; Micro-Flo Co. LLC.*

3860 Tributyltin Chloride

1461-22-9 P



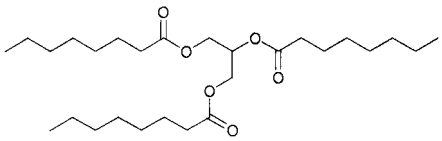
$C_{12}H_{27}ClSn$

Tri-n-butyltin chloride.

Caswell No. 867A; CCRIS 6319; Chlorid tri-n-butylcinicity; Chlorotri-n-butylstannane; Chlorotri-n-butyltin; Chlorotributylstannane; Chlorotributyltin; EINECS 215-958-7; EPA Pesticide Chemical Code 083107; HSDB 6816; Monochlorotributyltin; NSC 22323; Stannane, chlorotributyl-; Stannane, tributylchloro-; Tin, tri-n-butyl-, chloride; Tri-n-butylchlorotin; Tri-n-butyltin chloride; Tri-N-butylzinn-chlorid; Tributylchlorostannane; Tributylchlorotin; Tributylstannium chloride; Tributyl-stannyl chloride; Tributyltin chloride; WR 3396. Registered by EPA as a fungicide (cancelled). Oil; bp_{25} = 171-173°; d = 1.200. *Fluka.*

3861 Tricaprylin

538-23-8 G H



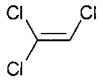
$C_{27}H_{50}O_6$

Octanoic acid, 1,2,3-propanetriyl ester.

4-02-00-00991 (Beilstein Handbook Reference); BRN 1717202; Caprylic acid, 1,2,3-propanetriyl ester; Caprylic acid triglyceride; Caprylin; Captex® 8000; EINECS 208-686-5; Glycerol tricaprylate; Glycerol trioctanoate; Maceight; Miglyol® 808; NSC 4059; Octanoic acid, 1,2,3-propanetriyl ester; Octanoic acid triglyceride; Octanoin, tri-; Panacete 800; 1,2,3-Propanetriol trioctanoate; Propane-1,2,3-triyl trioctanoate; Radiamuls® MCT 2108; Rato; Sefsol 800; Tricaprilin; Tricaprylic glyceride; Tricaprylin; Trioctanoin; Trioctanoin oil; Trioctanoylglycerol. Nonoily lubricant imparting rich feel to the skin; for cosmetics and pharmaceuticals; carrier for essential oils, flavors; vehicle for vitamins, medicinals, nutritional products. Good skin spreading/penetrating properties. Edible oil; forms very thin films for coating confectionery and dried fruits; mold release aid for bakery, confectionery; lubricant for food processing equipment; viscosity depressant, carrier of actives in oleoresins; lipid for dietetic foods. Oil; mp = 10°; bp = 233°; d^{20} = 0.9540; insoluble in H_2O, very soluble in Et_2O, C_6H_6, $CHCl_3$, petroleum ether, ligroin, freely soluble in EtOH; LD_{50} (rat orl) = 33300 mg/kg. *Degussa-Hüls Corp.; Fina Chemicals; Karlshamns.*

3862 Trichlorethylene

79-01-6 9713 H



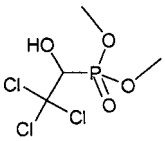
C_2HCl_3

Ethylene trichloride.

4-01-00-00712 (Beilstein Handbook Reference); Acetylene trichloride; AI3-00052; Algylen; Anamenth; Benzinol; Blacosolv; Blancosolv; BRN 1736782; Caswell No. 876; CCRIS 603; Cecolene; Chlorilen; Chlorylea; Chlorylen; Chorylen; Circosolv; CirCosolv; Clor; Crawhaspol; Densinfluat; Disparit B; Dow-Tri; Dukeron; EINECS 201-167-4; EPA Pesticide Chemical Code 081202; Ethene, trichloro-; Ethinyl trichloride; Ethylene trichloride; Ethylene, trichloro-; F 1120; Fleck-flip; Flock FLIP; Fluate; Germalgene; HSDB 133; Lanadin; Lethurin; Narcogen; Narkosoid; NCI-C04546; Nialk; NSC 389; Per-A-; Perm-A-chlor; Petzinol; Philex; R 1120; RCRA waste number U228; TCE; Threthylen; Threthylene; Trethylene; Tri; Tri-clene; Tri-plus; Tri-plus M; Triad; Trial; Triasol; Trichlooretheen; Trichloorethyleen, tri; Trichloraethen; Trichloräthen; Trichloraethylen, tri; Trichloräthylen, tri; Trichloraethylenum; Trichloran; Trichloren; Trichlor-ethylene; Trichlorethylenum; Trichloroethene; Trichloro-ethylenum; Tricloretene; Tricloroetilene; Tricloroetileno; Trielene; Trielin; Trielina; Trieline; Triklone N; Trilen; Trilene; Trilene TE-141; Trimar; UN 1710; Vestrol; Vitran; Westrosol. Metal degreasing; extraction solvent for oils, fats, waxes; solvent for cellulose esters and ethers; drycleaning; solvent dyeing; manufacture of organic chemicals, pharmaceuticals. Also used as a disinfecting cleaning compound. Liquid; mp = -84.7°; bp = 87.2°; d^{20} = 1.4642; slightly soluble in H_2O (0.11 g/100 ml), soluble in organic solvents; LD_{50} (rat orl)= 4.92 ml/kg. *Asahi Chem. Industry; Ashland; Elf Atochem N. Am.; General Chem; PPG Ind.*

3863 Trichlorfon

52-68-6 9696 G



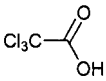
$C_4H_8Cl_3O_4P$

Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate.

4-01-00-03147 (Beilstein Handbook Reference); Aerol 1; Aerol 1 (pesticide); Agroforotox; AI3-19763; Anthon; Bay 15922; Bay L13/59; BAY 15922; BAY-a 9826; BAY-L 1359; Bayer 15922; Bayer L 13/59; Bayer L 1359; Bilarcil; Bovinox; Briten; Briton; Britten; BRN 1709434; Caswell No. 385; CCRIS 1289; Cekufon; Chlorak; Chlorfos; Chlorofos; Chloroftalm; Chlorophos; Chloro-phosciclosom; Chlorophthalm; Chloroxyphos; Chlorphos; Ciclosom; Clorofos; Combot; Combot equine; Danex; Denkaphon; DEP; DEP (pesticide); Depthon; DETF; Dicontal Fort; Dimetox; Dioxaphos; Dipterex; Dipterex 50; Dipterex SL; Dipterex WP 80; Diptevur; Ditrifon; Ditriphon 50; Dylox; Dyrex; Dyvon; EINECS 200-149-3; ENT 19,763; EPA Pesticide Chemical Code 057901; Equino-aid; Ertefon; Flibol E; Fliegenteller; Forotox; Foschlor; Foschlor 25; Foschlor R; Foschlor R-50; Foschlorem; HSDB 881; Hypodermacid; Khloroftalm; Leivasom; Loisol; Masoten; Mazoten; Methyl chlorophos; Metrifonate; Metrifonato; Metrifonatum; Metriphonate; Metriphonatum; NCI-C54831; Neguvon; Nevugon; NSC 8923; OMS 800; Phoschlor; Phoschlor R50; Polfoschlor; Proxol; Ricifon; Ritsifon; Satox 20WSC; Soldep; Sotipox; Totalene; Trichloorfon; Trichlorfon; (±)-Trichlorfon; Trichlorophon; Trichlorphon; Trichlorphon FN; Trinex; Tugon; Tugon fly bait; Tugon stable spray; Vermicide bayer 2349; Volfartol; Votexit; WEC 50; Wotexit; Zeltivar. Non-systemic insecticide with stomach and contact action. Used for insect control in agriculture and horticulture. Crystals; mp = 75-79°; $bp_{0.1}$ ■ 100°; SG = 1.73; n_D^{20} = 1.3439; soluble in H_2O (120 g/l), more soluble in organic solvents; LD_{50} (rat orl) = 560 mg/kg. *Agrolinz; Bayer AG; Cequisa; Chemolimpex; Denka International; Diachem; ICI Agrochemicals; Jin Hung; Makhteshim-Agan.*

3864 Trichloroacetic acid

76-03-9 9700 G P



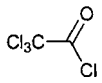
$C_2HCl_3O_2$

Trichloroacetic acid.

4-02-00-00508 (Beilstein Handbook Reference); Acetic acid, trichloro-; Acetic acid, trichloro- (solid); Aceto-caustin; Acide trichloracetique; Acido tricloroacetico; AI3-24157; Amchem grass killer; BRN 0970119; Caswell No. 870; CCRIS 4015; EPA Pesticide Chemical Code 081002; Na Ta; Farmon TCA; HSDB 1779; Konesta; Kyselina trichloroctova; NSC 215204; TCA; Tecane; Trichloorazijnzuur; Trichloracetic acid; Trichloressig-säure; Trichloroacetate; Trichloroacetic acid; Trichloro-acetic acid; Trichloroacetic acid [UN1839] [Corrosive]; Trichloroethanoic acid; Trichloromethanecarboxylic acid; UN1839; UN2564. Registered by EPA as a herbicide (cancelled). Used for control of weeds in field crops. Also used as a decalcifier and fixative in microscopy and a protein precipitant. mp = 57.5°; bp = 196.5°; d^{64} = 1.6126; soluble in H_2O (10 g/ml), less soluble in organic solvents; LD_{50} (rat orl) = 5000 mg/kg. *Hoechst UK Ltd.*

3865 Trichloroacetyl chloride

76-02-8 G



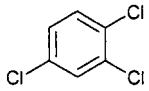
C_2Cl_4O

Trichloromethyl chloroformate.

4-02-00-00519 (Beilstein Handbook Reference); Acetyl chloride, trichloro-; BRN 0774120; CCRIS 6764; Diphosgene; EINECS 200-926-7; HSDB 6321; NSC 190466; Superpalite; Trichloroacetic acid chloride; Trichloroacetochloride; UN2442. Has been used as a military poison gas. mp = -57°; bp = 117.9°; d^{20} = 1.6202; very soluble in organic solvents; reacts with H_2O. *Sigma-Aldrich Fine Chem.*

3866 Trichlorobenzene

120-82-1 9704 G H



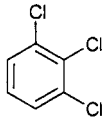
$C_6H_3Cl_3$

1,2,4-Trichlorobenzene.

4-05-00-00664 (Beilstein Handbook Reference); AI3-07775; Benzene, 1,2,4-trichloro-; BRN 0956819; CCRIS 5945; EINECS 204-428-0; Hostetex L-pec; HSDB 1105; NSC 406697; 1,2,4-Trichlorobenzene; unsym-Trichloro-benzene; 1,2,4-Trichlorobenzol; Trojchlorobenzen. Solv-ent in chemical manufacture, dyes, intermediates, dielec-tric fluid, synthetic transformer oils, lubricants, heat-transfer media, insecticides. Rhombohedral crystals; mp = 17°; bp = 213.5°; d^{25} = 1.459; λ_m = 220, 227, 269 277, 286 nm (ε = 9340, 9200, 323, 482, 438, MeOH); insoluble in H_2O, slightly soluble in EtOH, CCl_4, very soluble in Et_2O. *Ashland.*

3867 1,2,3-Trichlorobenzene

87-61-6 9703 H



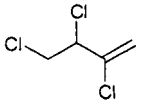
$C_6H_3Cl_3$

Benzene, 1,2,3-trichloro-.

4-05-00-00664 (Beilstein Handbook Reference); AI3-15516; Benzene, 1,2,3-trichloro-; BRN 0956882; CCRIS 5944; EINECS 201-757-1; HSDB 1502; NSC 43432; vic-Trichlorobenzene. Plates; mp = 53.5°; bp = 218.5°; λ_m = 224, 264, 271, 279 nm (ε = 8080, 144, 178, 137, MeOH); insoluble in H_2O, poorly soluble in EtOH, $CHCl_3$, more soluble in Et_2O, C_6H_6.

3868 2,3,4-Trichloro-1-butene

2431-50-7 H



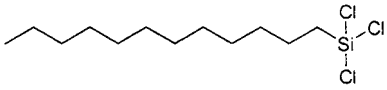
$C_4H_5Cl_3$

2,3,4-Trichloro-1-butene.

3-01-00-00725 (Beilstein Handbook Reference); BRN 1745897; Butene, 2,3,4-trichloro-, 1-; 1-Butene, 2,3,4-trichloro-; EINECS 219-397-9; HSDB 5878; 2,3,4-Tri-chloro-1-butene; 2,3,4-Trichlorobut-1-ene; 2,3,4-Tri-chlorobutene-1. Liquid; bp_{20} = 60°, bp_{10} = 40°; d^{20} ■ 1.3430; very soluble in Me_2CO, $CHCl_3$.

3869 Trichlorododecylsilane

4484-72-4 G



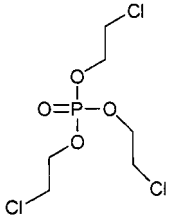
$C_{12}H_{25}Cl_3Si$

Dodecyltrichlorosilane.

CD6220; Dodecyl trichlorosilane; EINECS 224-769-9; HSDB 387; NSC 139836; Silane, dodecyltrichloro-; Silane, trichlorododecyl-; Trichloro(dodecyl)silane; Tri-chlorododecylsilane; UN1771. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{16} = 125°; d^{20} = 1.0602. *Degussa-Hüls Corp.*

3870 Trichloroethyl phosphate

115-96-8 G H



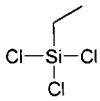
$C_6H_{12}Cl_3O_4P$

Tris(2-chloroethyl) phosphate.

4-01-00-01379 (Beilstein Handbook Reference); AI3-15023; Antiblaze 100; BRN 1710938; CCRIS 1302; Celiuflex; Celluflex CEF; Disflamoll TCA; EINECS 204-118-5; Ethanol, 2-chloro-, phosphate (3:1); Fyrol CEF; Genomoll P; HSDB 2577; NCI-C60128; Niax 3CF; Niax Flame Retardant 3CF; NSC 3213; Phosphoric acid, tris(2-chloroethyl)ester; Tri-β-chloroethyl phosphate; Tri(2-chloroethyl) phosphate; Trichlorethyl phosphate; Tris-(2-chlorethyl)fosfat; Tris-(2-chloroethyl)fosfat; Tris(β-chloro-ethyl) phosphate; Tris(2-chloroethyl) orthophosphate; Tris(2-chloroethyl) phosphate. A plasticizer. Also used as a flame retardant. Liquid; mp ■ -15°; bp = 330°, bp_{10} = 194°; d^{25} = 1.39; soluble in H_2O (7 g/l), CCl_4; LD_{50} (rat orl) = 1230 mg/kg. *Hoechst UK Ltd.*

3871 Trichloroethylsilane

115-21-9 G H



$C_2H_5Cl_3Si$

Ethyl trichlorosilane.

4-04-00-04227 (Beilstein Handbook Reference); BRN 1361384; CE6350; EINECS 204-072-6; Ethyl silicon trichloride; Ethyl trichlorosilane; HSDB 884; Silane, ethyl(trichloro)-; Silane, trichloroethyl-; Silicane, trichloroethyl-; Trichloro(ethyl)silane; Trichloroethyl-silane; UN1196. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Intermediate in manufacture of silicones. Liquid; mp = -105.6°; bp = 100.5°; d^{20} = 1.2373; soluble in CCl_4. *Degussa-Hüls*

Corp.; PCR.

3872 Trichlorofluoromethane

75-69-4 9714 H

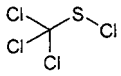
CCl_3F

Fluorotrichloromethane.

4-01-00-00054 (Beilstein Handbook Reference); Algofrene type 1; Arcton 9; Arcton 11; BRN 1732469; Caswell No. 878; CCRIS 604; CFC 11; Chladone 11; Daiflon 11; Daiflon S 1; Dymel 11; EINECS 200-892-3; Electro-CF 11; EPA Pesticide Chemical Code 000013; Eskimon 11; F-11; F 11 (halocarbon); F 11B; FC 11; FC 11 (halocarbon); FKW 11; Fluon 11; Fluorocarbon 11; Fluorochloroform; Fluorotrichloro-methane; Fluorotroj-chlorometan; Flurotrichloromethane; Freon 11; Freon 11A; Freon 11B; Freon HE; Freon MF; Frigen 11; Frigen 11A; Frigen S 11; Genetron 11; Genetron 11SBA; Halocarbon 11; Halon 11; HSDB 138; Isceon 131; Isotron 11; Kaltron 11; Khaladon 11; Khladon 11; Ledon 11; Methane, fluorotrichloro-; Methane, trichlorofluoro-; Monofluorotrichloromethane; NCI-C04637; Propellant 11; R 11; R 11 (refrigerant); RCRA waste no. U121; Refrigerant 11; Refrigerant R 11; Trichlorofluorocarbon; Trichlorofluoromethane; Tri-chloromethyl fluoride; Trichloromonofluoromethane; Ucon flurocarbon 11; Ucon refrigerant 11. Registered by EPA as an insecticide (cancelled). Colorless liquid below 24°; mp = -111.1; bp = 23.7°, bp_{400} = 6.8°, bp_{200} = -9.1°, bp_{100} = -23°, bp_{60} = -32.3°, bp_{400} = 6.8°, bp_{40} = -39°, bp_{20} = -49.7°, bp_{10} = -59°, bp_5 = -67.6°, $bp_{1.0}$ = -84.3°; $d_4^{17.2}$ = 1.494, d_{gas}^{25} = 5.04 (air = 1). *Sigma-Aldrich Co.*

3873 Trichloromethanethiol

594-42-3 H



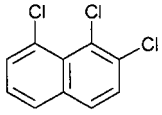
CCl_4S

Trichloromethanethiol.

4-03-00-00290 (Beilstein Handbook Reference); BRN 0506034; Clairsit; EINECS 209-840-4; HSDB 6052; HSDB 886; Mercaptan methylique perchlore; Methane-sulfenic acid, trichloro-, chloride; Methanesulfenyl chloride, trichloro-; Methanethiol, trichloro-; NSC 66404; PCM; Perchlorinemethylmercaptan; Perchlormethyl-merkaptan; Perchloro-methyl-mercaptan; Perchloro-methanethiol; Perchloromethyl mercaptan; PMM; RCRA waste number P118; Thiocarbonyl tetrachloride; Trichlormethyl sulfur chloride; Trichlorofluoromethane; Trichloromethane sulfenyl chloride; Trichloromethane sulphuryl chloride; Trichloromethanethiol; Trichloro-methyl mercaptan; Trichloromethyl sulfochloride; Trichloromethyl sulphochloride; Trichloromethylsulfenyl chloride; Trichloromethylsulphenyl chloride; UN1670. Yellow oil; bp = 147.5°; d^{20} = 1.6947; λ_m = 324 nm (ε = 12, $CHCl_3$), 322 nm (ε = 10, petroleum ether); soluble in Et_2O.

3874 Trichloronaphthalene

1321-65-9 G



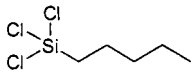
$C_{10}H_5Cl_3$

1,2,8-Trichloronaphthalene.

EINECS 215-321-3; Halowax; HSDB 4325; Naphthalene, trichloro-; Nibren; Nibren wax; Seekay wax; Trichloronaphthalene. Chlorinated naphthalene. Crystals; mp = 93°; bp = 304-354°; insoluble in H_2O.

3875 Trichloropentylsilane

107-72-2 G



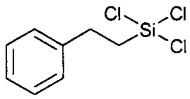
$C_5H_{11}Cl_3Si$

Amyltrichlorosilane.

4-04-00-04249 (Beilstein Handbook Reference); Amyl trichlorosilane; BRN 1737947; EINECS 203-515-0; HSDB 887; Pentylsilicon trichloride; Pentyltrichlorosilane; Silane, pentyltrichloro-; Silane, trichloropentyl-; Tri-chloroamylsilane; Trichloropentylsilane; UN1728. Coup-ling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 172°, bp_{15} = 60.5; d^{20} = 1.1330. *Degussa-Hüls Corp.*

3876 Trichlorophenethylsilane

940-41-0 G



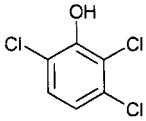
$C_8H_9Cl_3Si$

2-Phenethyltrichlorosilane.

4-16-00-01568 (Beilstein Handbook Reference); BRN 2936059; CP0110; EINECS 213-371-0; NSC 139848; Phenethyltrichlorosilane; (2-Phenylethyl)trichlorosilane; 1-Phenyl-2-(trichlorosilyl)ethane; Silane, trichloro(2-phenylethyl)-; Silane, trichlorophenethyl-; Trichlor-2-fenylethylsilan; Trichloro-2-phenylethylsilane; Trichloro-(2-phenylethyl)silane. Coupling agent, chemical inter-mediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 242°, bp_5 = 98-99°; d^{20} = 1,2397. *Degussa-Hüls Corp.*

3877 2,3,6-Trichlorophenol

933-75-5 G



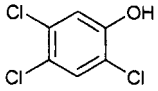
$C_6H_3Cl_3O$

2,3,6-Trichlorophenol.

4-06-00-00962 (Beilstein Handbook Reference); BRN 1867596; CCRIS 1937; EINECS 213-271-7; HSDB 5773; Phenol, 2,3,6-trichloro-; 2,3,6-Trichlorophenol. Used as a disinfectant and fungicide. Needles; mp = 58°; bp = 253°; $bp_{0.4}$ = 88°; λ_m = 280, 289 nm (ε = 1905, 1950, 0.1N HCl), 304 nm (ε = 5623, 0.1N NaOH); slightly soluble in H_2O, soluble in AcOH, ligroin, very soluble in EtOH, Et_2O, C_6H_6. LD_{50} (rat ip) = 308 mg.kg.

3878 2,4,5-Trichlorophenol

95-95-4 9716 G P



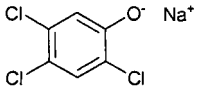
$C_6H_3Cl_3O$

2,4,5-Trichlorophenol.

4-06-00-00962 (Beilstein Handbook Reference); BRN 0607569; CCRIS 718; Collunosol; Dowicide 2; HSDB 4067; NCI-C61187; NSC 2266; Nurelle; Phenol, 2,4,5-trichloro-; Preventol; Preventol I; RCRA waste number U230; TCP; 2,4,5-TCP; Trichlorophenol, 2,4,5-; 2,4,5-Trichlorophenol. Fungicide. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Used as a fungicide and bactericide. Sodium salt is Dowicide B, soluble in H_2O and organic solvents. Needles; mp = 67°; bp = 253°, bp_{746} = 248°; pK = 7.37; slightly soluble in H_2O (< 0.2 g/100 ml), soluble in Me_2CO (615 g/100 ml), C_6H_6 (163 g/100 ml), CCl_4 (51 g/100 ml), Et_2O (525 g/100 ml), EtOH (525 g/100 ml), MeOH (615 g/100 ml), soybean oil (79 g/100 ml), C_7H_8 (122 g/100 ml); LD_{50} (rat orl) = 820 mg/kg. *Fluka; Sigma-Aldrich Co.*

3879 2,4,5-Trichlorophenol, sodium salt

136-32-3 G P



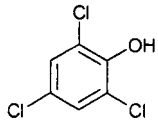
$C_6H_2Cl_3NaO$

Sodium 2,4,5-trichlorphenate.

Caswell No. 797A; Dowicide B; EINECS 205-239-6; EPA Pesticide Chemical Code 064217; HSDB 5620; Phenol, 2,4,5-trichloro-, sodium salt; Preventol 1; Sodium, (2,4,5-trichlorophenoxy)-; Sodium 2,4,5-trichlorophenate; Sodium 2,4,5-trichlorophenolate; Sodium 2,4,5-trichlorophenoxide; Sodium salt of 2,4,5-trichlorophenol; 2,4,5-Trichlorophenol, sodium salt. A proprietary trade name for sodium 2,4,5-trichlorphenate; an antiseptic and germicide. Chemical; Dow.

3880 2,4,6-Trichlorophenol

88-06-2 9717 G



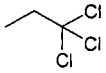
$C_6H_3Cl_3O$

2,4,6-trichlorophenol.

4-06-00-01005 (Beilstein Handbook Reference); AI3-00142; BRN 0776729; CCRIS 605; Dowicide 2S; EINECS 201-795-9; HSDB 4013; NCI-C02904; NSC 2165; OMAL; Phenachlor; Phenaclor; Phenol, 2,4,6-trichloro-; RCRA waste number U231; 2,4,6-T; TCP; 2,4,6-Trichlorfenol; Trichloro-2-hydroxybenzene; 2,4,6-Trichlorophenol. Used as a fungicide, bactericide and preservative. Commonly used as disinfectant and topical anti-infective. mp = 69°; bp = 246°; d^{75} = 1.4901; λ_m = 289, 296 nm (ε = 2470, 2550, MeOH); poorly soluble in H_2O (< 1 mg/ml), soluble in organic solvents.

3881 1,2,3-Trichloropropane

96-18-4 H



$C_3H_5Cl_3$

Propane, 1,2,3-trichloro-.

4-01-00-00199 (Beilstein Handbook Reference); AI3-26040; Allyl trichloride; BRN 1732068; CCRIS 5874; EINECS 202-486-1; HSDB 1340; NCI-C60220; NSC 35403; Propane, 1,2,3-trichloro-; Trichloropropane. Liquid; mp = -14.7°; bp = 157°; d^{20} = 1.3889; slightly soluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, CCl_4.

3882 Trichlorosilane

10025-78-2 9719 G

Cl_3HSi

Trichloromonosilane.

EINECS 233-042-5; HSDB 890; Silane A-19; Silane, trichloro-; Silici-chloroforme; Siliciumchloroform; Silico-chloroform; Silicon chloride hydride ($SiHCl_3$); Trichloorsilaan; Trichloromonosilane; Trichlorosilane; Trichlorsilan; Triclorosilano; UN1295. Used in organic synthesis, purification of silicon; as an intermediate. Liquid; mp = -127°; bp = 32°; d^{20} = 1.3417; soluble in organic solvents; LD_{50} (rat orl) = 1.03 g/kg. *Chisso Corp.; Degussa-Hüls Corp.; PCR.*

3883 Trichlorotrifluoroethane

76-13-1 G H

$F_3C—CCl_3$

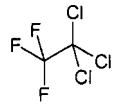
$C_2Cl_3F_3$

1,1,2-Trichlorotrifluoroethane.

4-01-00-00142 (Beilstein Handbook Reference); AI3-62874; Arcton 63; Arklone P; Asahifron 113; BRN 1740335; CFC-113; Chlorofluorocarbon 113; Daiflon S 3; EINECS 200-936-1; F 113; Ethane, 1,1,2-trichloro-1,2,2-trifluoro-; FC 113; Flugene 113; Fluorocarbon 113; Forane 113; Freon 113; Freon 113TR-T; Freon F113; Freon R 113; Freon TF; Frigen 113; Frigen 113 TR; Frigen 113 TR-T; Frigen 113A; Frigen 113tr-T; Frigen 113TR; Frigen 113TR-N; Genesolv D; Genetron 113; Halocarbon 113; HSDB 145; Isceon 113; Kaiser chemicals 11; Kaltron 113MDR; Khladon 113; Ledon 113; MS-180 Freon® TF Solv; Propellant 113; R 113; Racon 113; Refrigerant 113; Refrigerant R 113; Trichlorotrifluoroethane; 1,1,2-Trichloro-1,2,2-trifluoroethane; 1,1,2-Trichlorotrifluoro-ethane; 1,1,2-Trifluoro-1,2,2-trichloroethane; 1,1,2-Trifluorotrichloroethane; Ucon fluorocarbon 113. Liquid; mp = -35°; bp = 47.7°; d^{25} = 1.5635; insoluble in H_2O, soluble in organic solvents. *Air Products & Chemicals Inc.; Allied Signal; Elf Atochem N. Am.; PCR.*

3884 Trichlorotrifluoroethane

354-58-5 H



$C_2Cl_3F_3$

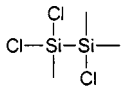
1,1,1-Trichloro-2,2,2-trifluoroethane.

4-01-00-00142 (Beilstein Handbook Reference); BRN 1699455; CFC 113a; EINECS 206-564-6; Ethane, 1,1,1-trichloro-2,2,2-trifluoro-; F 113a; FC 113a; FC 133A; Fluorocarbon 113; Freon FT; HSDB 6501; Precision cleaning agent; T-WD602; Trichlorotrifluoroethane; 1,1,1-Trichloro-2,2,2-trifluoroethane; 1,1,1-Trifluorotri-chloroethane. Liquid; mp = 14.2°; bp = 46.1°; d^{20} =

1.5790; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$.

3885 1,1,2-Trichloro-1,2,2-trimethyldisilane

13528-88-6 H



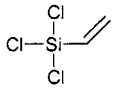
$C_3H_9Cl_3Si_2$

Disilane, 1,1,2-trichloro-1,2,2-trimethyl-.

Disilane, 1,1,2-trichloro-1,2,2-trimethyl-; EINECS 236-870-5; 1,1,2-Trichloro-1,2,2-trimethyldisilane; 1,1,2-Tri-methyltrichlorodisilane.

3886 Trichlorovinylsilane

75-94-5 G H



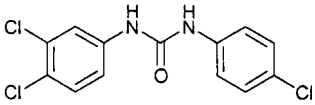
$C_2H_3Cl_3Si$

Trichloroethenylsilane.

4-04-00-04258 (Beilstein Handbook Reference); A 150; BRN 1743440; CV-4900; EINECS 200-917-8; HSDB 891; NSC 93872; Silane, trichloroethenyl-; Silane, trichloro-vinyl-; Silane, vinyl trichloro A-150; Trichloroethenyl-silane; Trichloro(vinyl)silane; Trichlorovinyl silicane; Tri-chlorovinylsilane; Trichlorovinylsilicon; UN1305; Union carbide A-150; Vinyl trichlorosilane; Vinylsilicon tri-chloride; Vinyltrichlorosilane; Vtcs. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Intermediate for silicones; coupling agent in adhesives and bonds. Liquid; mp = -95°; bp = 91.5°; d^{20} = 1.2426; soluble in $CHCl_3$; LD_{50} (rat orl) = 1280 mg/kg. *Degussa-Hüls Corp.; Lancaster Synthesis Co.; PCR; Union Carbide Corp.*

3887 Triclocarban

101-20-2 9727 G H



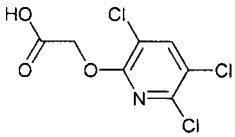
$C_{13}H_9Cl_3N_2O$

Urea, N-(4-chlorophenyl)-N'-(3,4-dichlorophenyl)-.

4-12-00-01265 (Beilstein Handbook Reference); AI3-26925; BRN 2814890; Carbanilide, 3,4,4'-trichloro-; Caswell No. 874; CCRIS 4880; N-(4-Chlorophenyl)-N'-(3,4-dichlorophenyl)urea; CP 78416; Cusiter; Cutisan; N-(3,4-Dichlorophenyl)-N'-(4-chlorophenyl)urea; EINECS 202-924-1; ENT 26925; EPA Pesticide Chemical Code 027901; Genoface; HSDB 5009; NSC-72005; Procutene; Solubacter; TCC; TCC (soap bacteriostat); TCC Soap; Trichlocarban; Triclocarban; Triclocarbanum; Trilocarb-an; Urea, N-(4-chlorophenyl)-N'-(3,4-dichlorophenyl)-. Bacteriostatic agent for bar soaps. Crystals; mp = 255-256°. *Monsanto Co.*

3888 Triclopyr

55335-06-3 9730 G P



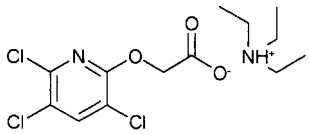
$C_7H_4Cl_3NO_3$

[(3,5,6-Trichloro-2-pyridinyl)oxy]acetic acid.

4-21-00-00362 (Beilstein Handbook Reference); Acetic acid, (3,5,6-trichloro-2-pyridyloxy)-; BRN 0225301; Caswell No. 882I; Confront; Crossbow Turflon; Curtail; Dowco 233; EINECS 259-597-3; EPA Pesticide Chemical Code 116001; Garlon; Garlon 2; Garlon 4; Garlon 250; Grazon ET; HSDB 7060; NSC 190671; Redeem; Release; Remedy; Timbrel; Triclopyr; Turflon. Herbicide to control perennial and woody weeds. Registered by EPA as a herbicide. Solid; mp = 148-150°; bp= 290° (dec); soluble in H_2O (0.0440 g/100 ml), Me_2CO (77.9 g/100 ml), n-octanol (25.5 g/100 ml), CH_3CN (9.8 g/100 ml), xylene (2.4 g/100 ml), C_6H_6 (2.4 g/100 ml), $CHCl_3$ (4.04 g/100 ml), C_6H_{14} (0.03 g/100 ml); LD_{50} (rat orl) = 713 mg/kg, (gpg orl) = 310 mg/kg, (rbt orl) = 550 mg/kg, (rbt der) > 2000 mg/kg, (mallard duck orl) = 1698 mg/kg, (bee) > 0.0604 mg/bee; LC_{50} (mallard duck 8 day dietary) > 5000 mg/kg, (Japanese quail 8 day dietary) = 3278 mg/kg, (bobwhite quail 8 day dietary) = 2935 mg/kg, (rainbow trout 96 hr.) = 117 mg/l, (bluegill sunfish 96 hr.) = 148 mg/l; non-toxic to bees. *Dow AgroSciences; DowElanco Ltd.; Riverdale Chemical Co.*

3889 Triclopyr triethylammonium salt

57213-69-1 P



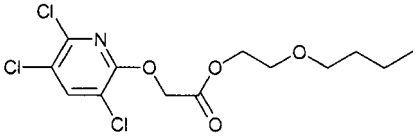
$C_{13}H_{19}Cl_3N_2O_3$

3,5,6-Trichloro-2-pyridinyloxyacetic acid, TEA salt.

Acetic acid, ((3,5,6-trichloro-2-pyridinyl)oxy)-, compd. with N,N-diethylethanamine (1:1); Caswell No. 882J; EPA Pesticide Chemical Code 116002; Garlon 3A; M 3724; N,N-Diethylethanamine compd. with ((3,5,6-trichloro-2-pyridinyl)oxy)aceticacid (1:1); ((3,5,6-Trichloro-2-pyridin-yl)oxy)acetic acid compd. with N,N-diethylethanamine (1:1); (3,5,6-Trichloro-2-pyridinyl)oxyacetic acid, triethyl-amine salt; ((3,5,6-Trichloro-2-pyridyl)oxy)acetic acid, compound with triethylamine(1:1); Triclopyr triethyl-amine; Triclopyr, triethylamine salt; Triclopyr triethyl-ammonium salt; Triethylamine triclopyr; Triethyl-ammonium triclopyr. Registered by EPA as a herbicide. *Dow AgroSciences; Riverdale Chemical Co; Scotts Co.*

3890 Triclopyr butoxyethyl ester

64700-56-7 P



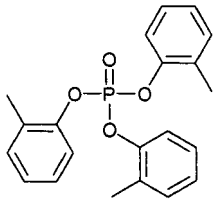
$C_{13}H_{16}Cl_3NO_4$

2-Butoxyethyl [(3,5,6-trichloropyridin-2-yl)oxy]acetate.

2-Butoxyethyl [(3,5,6-trichloropyridin-2-yl)oxy]acetate; Acetic acid, ((3,5,6-trichloro-2-pyridinyl)oxy)-, 2-butoxy-ethyl ester; Butoxyethyl triclopyr; Caswell No. 882K; Crossbow; Crossbow 3L; EPA Pesticide Chemical Code 116004; Garlon 4; Garlon 4E; M 4021; ((3,5,6-Trichloro-2-pyridinyl)oxy)acetic acid 2-butoxyethyl ester; Turflon D. Registered by EPA as a herbicide. *Dow AgroSciences.*

3891 Tricresyl phosphate

78-30-8 9833 G



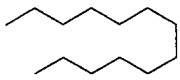
$C_{21}H_{21}O_4P$

o-Tolyl phosphate.

4-06-00-01979 (Beilstein Handbook Reference); AI3-00520; BRN 1892885; CCRIS 6421; o-Cresyl phosphate; EINECS 201-103-5; HSDB 4084; NSC 438; Phosflex 179C; Phosphoric acid, tri-o-cresyl ester; Phosphoric acid, tri-o-tolyl ester; Phosphoric acid, tri(2-tolyl)ester; Phosphoric acid, tris(2-methylphenyl) ester; Plastic X; TOCP; TOTP; o-Trikresylphosphate; Tri 2-methylphenyl phosphate; Tri-2-tolyl phosphate; Tri-o-cresyl phosphate; Tri-o-tolyl phosphate; Tri-ortho-cresylphosphate; Triortho-cresyl phosphate; Tris(o-cresyl)-phosphate; Tris(o-methyl-phenyl)phosphate; Tris(o-tolyl) phosphate; Trojkrezylu fosforan. A proprietary plasticizer with specific gravity from 1.177-1.20. Generally used in lacquers and varnishes. Usd as a plasticizer, fire retardant for plastics, air filter medium, waterproofing, additive to extreme pressure lubricants. Pale yellow liquid; mp = 11°; bp = 410°, bp_{20} = 265°; d^{20} = 1.1955; insoluble in H_2O, soluble in organic solvents. *Akzo Chemie; Chemron; Daihachi Chem. Ind. Co. Ltd; FMC Corp.*

3892 Tridecane

629-50-5 H



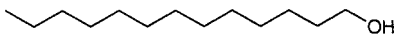
$C_{13}H_{28}$

n-Tridecane.

EINECS 211-093-4; HSDB 5727; NSC 66205; Tridecane; n-Tridecane. Liquid; mp = -5.3°; bp = 235.4°; d^{20} = 0.7564; insoluble in H_2O, soluble in CCl_4, very soluble in EtOH, Et_2O.

3893 Tridecanol

112-70-9 G H



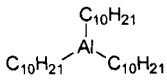
$C_{13}H_{28}O$

n-Tridecan-1-ol.

4-01-00-01860 (Beilstein Handbook Reference); AI3-35264; BRN 1739991; EINECS 203-998-8; HSDB 5574; NSC 5252; Tridecanol; 1-Tridecanol; Tridecyl alcohol. Commercial material is usually a mixture of isomers; used in manufacture of esters for synthetic lubricants, detergents, antifoam agents, other tridecyl compounds; in perfumery. Crystals; mp - 32.5°; bp_{14} = 152°; d^{31} = 0.8223; insoluble in H_2O, soluble in EtOH, Et_2O. *Allchem Ind.; Penta Mfg.*

3894 Tridecylaluminum

1726-66-5 H



$C_{30}H_{63}Al$

Tri-n-decylaluminum.

Aluminum, tris(decyl)-; EINECS 217-040-1; HSDB 5852; Tri-1-decylaluminum; Tri-n-decylaluminum; Tridecyl-aluminium; Tris(decyl)aluminum; Tris(n-decyl)aluminum.

3895 Tridecyl alcohol, ethoxylated, phosphated.

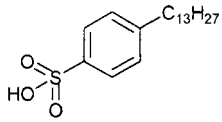
9046-01-9 H

PEG-3 Tridecyl ether phosphate.

PEG-3 Tridecyl ether phosphate; PEG-6 Tridecyl ether phosphate; PEG-10 Tridecyl ether phosphate; Phosphoric acid, (ethoxylated tridecyl alcohol) esters; Poly(oxy-1,2-ethanediyl), α-tridecyl-ω-hydroxy-, phosphate; Poly-ethylene glycol (3) tridecyl ether phosphate; Polyethylene glycol 300 tridecyl ether phosphate; Polyethylene glycol 500 tridecyl ether phosphate; Polyoxyethylene (3) tridecyl ether phosphate; Polyoxyethylene (6) tridecyl ether phosphate; Polyoxyethylene (10) *tridecyl ether phosphate*; Trideceth-3 phosphate; Trideceth-6 phosphate; Trideceth-10 phosphate.

3896 Tridecylbenzenesulfonic acid

25496-01-9 G H



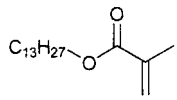
$C_{19}H_{32}O_3S$

Tridecylbenzenesulfonic acid.

Benzenesulfonic acid, tridecyl-; EINECS 247-036-5; Nansa® TDB; Tridecylbenzenesulfonic acid; Tridecyl-benzenesulphonic acid. Used in manufacture of detergents. *Albright & Wilson UK Ltd.*

3897 Tridecyl methacrylate

2495-25-2 G



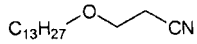
$C_{17}H_{32}O_2$

Tridecyl-2-methyl-2-propanoate.

Ageflex FM-25; EINECS 219-671-8; HSDB 5882; Methacrylic acid, tridecyl ester; 2-Propenoic acid, 2-methyl-, tridecyl ester; Tridecyl methacrylate. Liquid; d = 0.88. *Rit-Chem.*

3898 3-(Tridecyloxy)propionitrile

68239-19-0 H



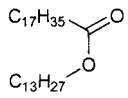
$C_{16}H_{31}NO$

Propanenitrile, 3-(tridecyloxy)-.

EINECS 269-431-1; Propanenitrile, 3-(tridecyloxy)-; 3-(Tridecyloxy)propiononitrile; 3-Tridecoxypropanenitrile.

3899 Tridecyl stearate

31556-45-3 H



$C_{31}H_{62}O_2$

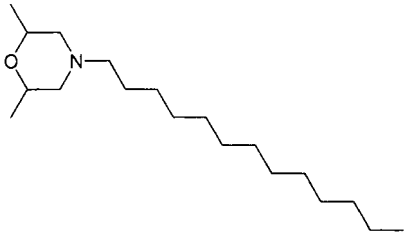
n-Octadecanoic acid, tridecyl ester.

Cirrasol LN-GS; EINECS 250-696-7; NSC 152080; Octadecanoic

acid, tridecyl ester; Stearic acid, tridecyl ester; Tridecanol stearate; Tridecyl stearate. Used as an emollient in creams and lotions.

3900 Tridemorph

81412-43-3 P



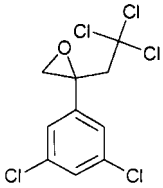
$C_{19}H_{39}NO$

Dimethyl-2,6 tridecyl-4 morpholine.

BAS 2203F; Calixin; Dimethyl-2,6 tridecyl-4 morpholine; Tridemorf; Tridemorph; Tridemorphe. Fungicide. Color-less oily liquid; sg = 0.86, $bp_{0.5}$ = 134°; soluble in H_2O (0.00117 g/100 ml at 20°), EtOH, Me_2CO, EtOAc, Et_2O, cyclohexane, C_6H_6, $CHCl_3$, olive oil; LD_{50} (rat orl) = 480 mg/kg, (rat der) > 4000 mg/kg; LC_{50} (rat ihl 4 hr.) = 4.5 mg/l air, (guppy 96 hr.) = 3.5 mg/l; non-toxic to bees. *BASF Corp.*

3901 Tridiphane

58138-08-2 9736 G P



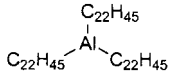
$C_{10}H_7Cl_5O$

(±)-2-(3,5-Dichlorophenyl)-2-(2,2,2-trichloroethyl)-oxirane.

2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)-oxirane; (RS)-2-(3,5-Dichlorophenyl)-2-(2,2,2-trichloroethyl)-oxirane; Dowco 356; Nelpon; Oxirane, 2-(3,5-dichloro-phenyl)-2-(2,2,2-trichloroethyl)-; Tandem; Tridiphane. A selective non-systemic herbicide. Used for control of annual grass seedlings and broad-leaved weeds in maize. Registered by EPA as a herbicide. Colorless crystals; mp = 43°; soluble in H_2O (0.00018 g/100 ml), soluble in MeOH (0.078 g/100 ml), Me_2CO (0.72 g/100 ml), xylene (0.40 g/100 ml), chlorobenzene (0.62 g/100 ml), CH_2Cl_2 (0.94 g/100 ml); LD_{50} (rat orl) = 1743-1918 mg/kg, (rbt der) = 3536 mg/kg, (mallard duck orl) > 2510 mg/kg; LC_{50} (mallard duck, bobwhite quail 8 day dietary) = 5620 mg/kg diet; (rainbow trout 96 hr.) = 0.53 mg/l, (bluegill sunfish 96 hr.) ◘ 0.37 mg/l. *Dow AgroSciences; Dow UK.*

3902 Tridocosylaluminum

6651-25-8 H



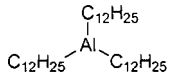
$C_{66}H_{135}Al$

Tri(docosyl) aluminum.

Aluminum, tridocosyl-; EINECS 229-672-5; Tridocosyl-aluminium.

3903 Tridodecylaluminum

1529-59-5 H



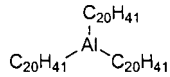
$C_{36}H_{75}Al$

Aluminum, tridodecyl-.

Aluminum, tridodecyl-; EINECS 216-219-1; HSDB 5837; Tri(dodecyl) aluminum; Tridodecylaluminium; Trido-decylaluminum; Tris(dodecyl)aluminum.

3904 Trieicosylaluminum

1529-57-3 H



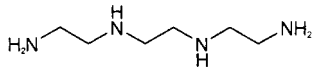
$C_{60}H_{123}Al$

Aluminum, trieicosyl-.

Aluminum, trieicosyl-; EINECS 216-217-0; HSDB 5835; Trieicosylaluminum; Triicosylaluminium.

3905 Trientine

112-24-3 9737 D G H



$C_6H_{18}N_4$

N,N'-Bis(2-aminoethyl)-1,2-ethanediamine.

4-04-00-01242 (Beilstein Handbook Reference); AI3-24384; Araldite hardener HY 951; Araldite HY 951; BRN 0605448; CCRIS 6279; DEH 24; EINECS 203-950-6; Ethylenediamine, N,N'-bis(2-aminoethyl)-; HSDB 1002; HY 951; N,N-Bis(2-aminoethyl)-1,2-diaminoethane; NSC 443; Tecza; TETA; Texlin® 300; Trien; Trientina; Trientine; Trientinum; Triethylene tetramine; Triethylene-tetramine; UN2259. Chelating agent used in detergents and softening agents, synthesis of dyestuffs, pharm-aceuticals, rubber accelerator; as thermosetting resin; epoxy curing agent; lubricating oil additive; analytical reagent for Cu, Ni. Improves yields and reduces processing time for many applications; intermediate in asphalt additives, corrosion inhibitors, epoxy curing agents, surfactants in fabric softener and textile additives; in paper industry, petrol. products. Chelating agent used as a drug for the treatment of Wilson's disease. Liquid; mp = 12°; bp = 266.5°; d^{15} = 0.9817; soluble in H_2O, EtOH; LD_{50} (rat orl) = 2500 mg/kg. *Merck & Co.Inc.; Rit-Chem; Texaco; Tosoh; Union Carbide Corp.*

3906 Trietazine

1912-26-1 9797 G P

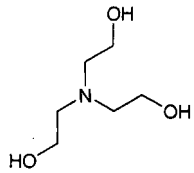
$C_9H_{16}ClN_5$

6-Chloro-N,N,N'-triethyl-1,3,5-triazine-2,4-diamine.

2-chloro-4-diethylamino-6-ethylamino-s-triazine; 2-chloro-4,6-diethylamino-s-triazine; G-27901; NC-1667; Aventox; Gesafloc. Herbicide. mp = 100-102°; soluble in H_2O (20 mg/l), more soluble in organic solvents; LD_{50} (rat orl) = 1750 mg/kg. *Schering Agrochemicals Ltd.*

3907 Triethanolamine

102-71-6 9739 G P



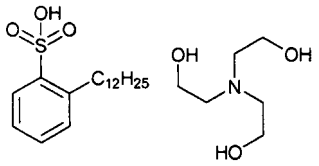
$C_6H_{15}NO_3$

Trihydroxytriethylamine.

AI3-01140; Alkanolamine 244; Caswell No. 886; CCRIS 606; Daltogen; EINECS 203-049-8; EPA Pesticide Chemical Code 004208; Ethanol, 2,2',2"-nitrilotri-; HSDB 893; Nitrilotriethanol; Nitrilo-2,2',2"-Triethanol; 2,2',2"-Nitrilotriethanol; NSC 36718; Sodium ISA; Sterolamide; Sting-Kill; T-35; TEA; TEA (amino alcohol); Thiofaco T-35; Tri(hydroxyethyl)amine; Triethanolamine; Triethylolamine; Trihydroxytriethylamine; Tris(β-hydroxy-ethyl)amine; Tris(2-hydroxyethyl)amine; Trolamine. Inter-mediate in manufacture of surfactants, textile specialties, waxes, polishes, toiletries, cutting oils, fatty acid soaps (drycleaning), cosmetics, household detergents, emulsions; solvent for casein, shellac, dyes. Registered by EPA as an antimicrobial and insecticide (cancelled). Leaflets; mp = 20.5°; bp = 335.4°; d_4^{20} = 1.1242; very soluble in H_2O, EtOH, soluble in $CHCl_3$, slightly soluble in Et_2O (1.6 g/100 ml), C_6H_6 (4.2 g/100 ml), n-C_7H_{14} (< 0.1 g/100 ml), ligroin; pH of 0.1N aqueous solution = 10.5; LD_{50} (rat orl) = 8000 mg/kg. *Hüls Am.; Mitsui Toatsu; Nippon Shokubai; Occidental Chem. Corp.; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Texaco; Union Carbide Corp.*

3908 Triethanolamine dodecylbenzene sulfonate

27323-41-7 H



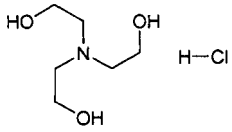
$C_{18}H_{30}O_3S.C_6H_{15}NO_3$

Dodecylbenzenesulfonic acid, compd. with 2,2',2"-nitrilotris(ethanol) (1:1).

AI3-26730-X; Benzenesulfonic acid, dodecyl-, compd. with 2,2',2"-nitrilotris(ethanol) (1:1); Caswell No. 887AA; Dodecylbenzenesulfonic acid, compd. with 2,2',2"-nitrilotris(ethanol) (1:1); Dodecylbenzenesulfonic acid, triethanolamine salt; EINECS 248-406-9; EPA Pesticide Chemical Code 079020; TEA-Dodecylbenzenesulfonate; Triethanolamine dodecylbenzene sulfonate; Witconate 5725; Witconate 60L; Witconate 60T; Witconate 79S; Witconate S-1280; Witconate Tab.

3909 Triethanolamine hydrochloride

637-39-8 G



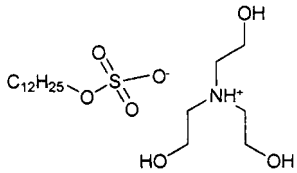
$C_6H_{16}ClNO_3$

2,2',2-Nitrilotris(ethanol) hydrochloride.

EINECS 211-284-2; Ethanol, 2,2',2"-nitrilotri-, hydro-chloride; Ethanol, 2,2',2"-nitrilotris-, hydrochloride; 2,2',2"-Nitrilotriethanol hydrochloride; 2,2',2"-Nitrilo-trisethanol hydrochloride; TEA-Hydrochloride; Triethan-olamine hydrochloride; Triethanolammonium chloride; Tris(2-hydroxyethyl)ammonium chloride. Crystals; mp = 171°. *Cia-Shen; Janssen Chimica; Spectrum Chem. Manufacturing; U.S. BioChem.*

3910 Triethanolamine lauryl sulfate

139-96-8 G P



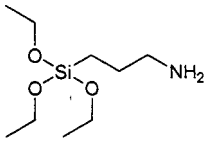
$C_{18}H_{41}NO_7S$

Triethanolamine n-dodecyl sulfate.

Akyposal TLS; Cycloryl TAWF; Cycloryl WAT; Dodecyl sulfate triethanolamine salt; Drene; EINECS 205-388-7; Elfan 4240 T; EMAL T; Emersal 6434; HSDB 2899; Lauryl sulfate triethanolamine salt; Laurylsulfuric acid triethanolamine salt; Maprofix TLS; Maprofix TLS 65; Maprofix TLS 500; Melanol LP20T; Propaste T; Rewopol TLS 40; Richonol T; Sipon LT; Sipon LT-6; Sipon LT-40; Standapol T; Standapol TLS 40; Steinapol TLS 40; Stepanol WAT; Sterling wat; Sulfetal lt; Sulfuric acid, dodecyl ester, triethanolamine salt; TEA-Lauryl sulfate; Texapon T-35; Texapon T-42; Texapon TH; Triethanolamine dodecyl sulfate; Triethanolamine lauryl sulfate; Tylorol LT 50; Witcolate TLS-500. Emulsifier, detergent, wetting agent, dispersant, foaming agent used for household cleaning products, cosmetics, emulsion polymerization. Registered by EPA as an antimicrobial, fungicide, insecticide and rodenticide (cancelled). *Chemron; CK Witco Corp.; Lonzagroup; Norman-Fox; Sandoz; Stepan.*

3911 Triethoxy(3-aminopropyl)silane

919-30-2 G H



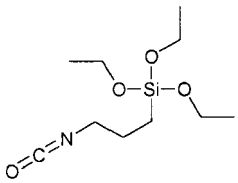
$C_9H_{23}NO_3Si$

3-(Triethoxysilyl)-1-propanamine.

4-04-00-04273 (Beilstein Handbook Reference); A 1100; A 1112; AGM-9; Aktisil AM; 3-Aminopropyltriethoxy-silane; γ-Aminopropyltriethoxysilane; APTES; BRN 1754988; CA0750; EINECS 213-048-4; HSDB 5767; NSC 95428; Nuca 1100; Propylamine, 3-(triethoxysilyl)-; Prosil® 220; Silane 1100; Silane amg-9; Silane, γ-amino-propyltriethoxy-; Silicone A-1100; Triethoxy(3-amino-propyl)silane; 3-(Triethoxysilyl)-1-propanamine; Uc-A 1100; Union Carbide® A-1100. Filler for thermosets, thermoplastics. Reacts with porous glass of, for example, chromatography columns, to form the aminopropyl derivative of glass, an adsorbent for affinity chromatography. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Technical grade coupling agent enhancing and promoting chemical bonding between inorganic and organic molecules; for acetal, acrylic, epichlorohydrin, nitrile, NC, polyamide, PC, polyethylene, polyimide, polymethacrylate, PP, polysulfone, PS, PVC, urethane and vinyl thermoplastics; thermoset acrylic (thermoset, latex), alkyd, epoxy, furan, melamine, nitrile/phenolic, phenolic, polyester, vinyl butyral/phenolic and elastomers. Liquid; mp < -70°; bp = 217°, bp_{29} = 119°; d^{20} = 0.9506; LD_{50} (rat orl) = 1780 mg/kg. *Degussa-Hüls Corp.; Gelest; PCR; Union Carbide Corp.*

3912 Triethoxy(3-isocyanatopropyl)silane

24801-88-5 G



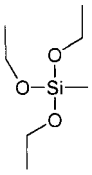
$C_{10}H_{21}NO_4Si$

Isocyanatopropyltriethoxy silane.

CI7840; EINECS 246-467-6; I 7840; 3-Isocyanatopropyltriethoxysilane; Isocyanatopropyltriethoxysilane; Iso-cyanic acid, 3-(triethoxysilyl)propylester; Silane, tri-ethoxy(3-isocyanatopropyl)-; Y 9030; YH 9030. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, and reducing agent. *Degussa-Hüls Corp.*

3913 Triethoxymethylsilane

2031-67-6 G



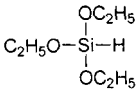
$C_7H_{18}O_3Si$

Methyltriethoxysilane.

4-04-00-04204 (Beilstein Handbook Reference); A 162; BRN 1742453; CCRIS 1323; Dynasylan® MTES; EINECS 217-983-9; ICI-EP 5850; Methaneorthosiliconic acid, triethyl ester; Methyl triethoxysilane; Methyltriethoxy-silane; NSC 5226; Silane, methyltriethoxy-; Silane, triethoxymethyl-; Triethoxy(methyl)silane; Triethoxysilyl-methane; Union carbide® A-162. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent, crosslinking agent providing durability, gloss, hiding power to coatings. Liquid; bp = 141-143°; d ■ 0.8950; LD_{50} (rat orl) = 7.67 g/kg. *Degussa-Hüls Corp.; Union Carbide Corp.*

3914 Triethoxysilane

998-30-1 G



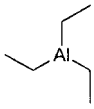
$C_6H_{16}O_3Si$

Silane, triethoxy-.

4-01-00-01359 (Beilstein Handbook Reference); BRN 1738989; CT2500; EINECS 213-650-7; HSDB 6332; NSC 124134; Triethoxysilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp = 133.5°; d^{20} = 0.8745. *Degussa-Hüls Corp.*

3915 Triethylaluminum

97-93-8 H



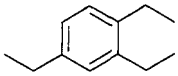
$C_6H_{15}Al$

Aluminum, triethyl-.

4-04-00-04398 (Beilstein Handbook Reference); Aluminum, triethyl-; ATE; BRN 3587229; EINECS 202-619-3; HSDB 4016; TEA; Triethylalane; Triethylalum-inium; Triethylaluminum.

3916 Triethylbenzene

25340-18-5 H



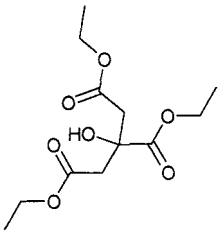
$C_{12}H_{18}$

Benzene, triethyl- (mixed isomers).

Benzene, triethyl-; Benzene, triethyl- (mixed isomers); EINECS 246-875-4; HSDB 5174; Triethylbenzene.

3917 Triethyl citrate

77-93-0 G



$C_{12}H_{20}O_7$

Triethyl 2-hydroxy-1,2,3-propanetricarboxylate.

4-03-00-01276 (Beilstein Handbook Reference); AI3-00659; BRN 1801199; Citric acid, triethyl ester; Citroflex 2; EINECS 201-070-7; Ethyl citrate; Eudraflex; FEMA No. 3083; HSDB 729; Hydragen CAT; 2-Hydroxy-1,2,3-propanetricarboxylic acid, triethyl ester; NSC 8907; 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, triethyl ester; Triaethylcitrat; Triäthylcitrat; Triethyl citrate; Triethylester kyseliny citronove. Plasticizer for food packaging. Active agent in non-microbiocidal deodorants. Oil; bp = 294°; d^{20}= 1.137; n^{20}_D = 1.4455; soluble in H_2O (7g/100 ml), more soluble in organic solvents. *Henkel/Cospha; Henkel; Yamanouchi Pharma.*

3918 Triethylenediamine

280-57-9 9742 G H

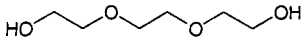
$C_6H_{12}N_2$

1,4-Diazabicyclo(2.2.2)octane.

AI3-24809; Bicyclo(2,2,2)-1,4-diazaoctane; CCRIS 6692; D 33LV; Dabco; Dabco 33LV; Dabco crystal; Dabco EG; Dabco R-8020; Dabco S-25; EINECS 205-999-9; N,N'-endo-Ethylenepiperazine; HSDB 5556; NSC 56362; TED; TEDA; TEDA-L33; Texacat TD 100; Thancat TD 33; Triethylenediamine. In solution in dipropylene glycol, used as a gelling catalyst for PU slabstock and molded flexible, rigid, and elastomer shoe shoe applications. mp = 159°; bp = 174°; soluble in H_2O (45 g/100g), soluble in $CHCl_3$. *Tosoh.*

3919 Triethylene glycol

112-27-6 9743 P



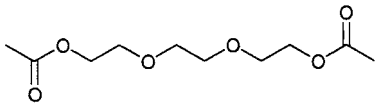
$C_6H_{14}O_4$

2,2'-(1,2-Ethanediylbis(oxy))bisethanol.

4-01-00-02400 (Beilstein Handbook Reference); AI3-01453; Bis(2-hydroxyethoxyethane); BRN 0969357; Caswell No. 888; Di-β-hydroxyethoxyethane; EINECS 203-953-2; EPA Pesticide Chemical Code 083501; Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-; Ethanol, 2,2'-(ethylenedioxy)di-; Ethylene glycol-bis-(2-hydroxyethyl ether); Glycol Bis(Hydroxyethyl) Ether; HSDB 898; NSC 60758; TEG; Triethylene glycol; Triethylenglykol; Trigen; Triglycol; Trigol. Registered by EPA as an antimicrobial and disinfectant. Colorless liquid; mp = -7°; bp = 285°, bp14 ▪ 165°; d_4^{15} = 1.1274; freely soluble in H_2O, EtOH, C_6H_6, C_7H_8, slightly soluble in Et_2O, $CHCl_3$, insoluble in petroleum ether; LD_{50} (rat orl) = 1500 - 2200 mg/kg, (mus orl) = 2100 mg/kg, (rat iv) = 11700 mg/kg, (mus iv) = 730 - 950 mg/kg. *Amrep Inc.; Chemical Packaging Corp.; Quest Chemical Corp.; S.C. Johnson & Son, Co; Waterbury Companies Inc.*

3920 Triethylene glycol diacetate

111-21-7 H



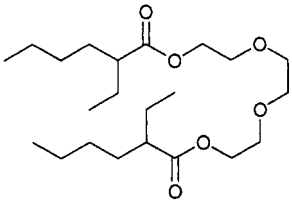
$C_{10}H_{18}O_6$

2,2'-(Ethylenedioxy)di(ethyl acetate).

4-02-00-00215 (Beilstein Handbook Reference); Acetic acid, triethylene glycol diester; AI3-02502; BRN 1789453; EINECS 203-846-0; 2,2'-(Ethylenedioxy)di(ethyl acetate); Ethanol, 2,2'-ethylenedioxydi-, diacetate; HSDB 5547; NSC 2591; TDAC; Triethylene glycol diacetate; Triglycol, diacetate. Liquid; mp = -50°; bp ▪ 286°; d^{20} = 1.1153; very soluble in H_2O, EtOH, Et_2O.

3921 Triethylene glycol di(2-ethylhexanoate)

94-28-0 H



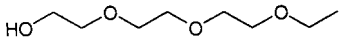
$C_{22}H_{42}O_6$

Hexanoic acid, 2-ethyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester.

4-02-00-01005 (Beilstein Handbook Reference); AI3-01451; BRN 1806809; EINECS 202-319-2; Flexol 3GO; Flexol plasticizer 3GO; Hexanoic acid, 2-ethyl-, diester with triethylene glycol; Hexanoic acid, 2-ethyl-, 1,2-ethanediylbis(oxy-2,1-; Triethylene glycol, bis(2-ethyl-hexanoate); Triethylene glycol di(2-ethylhexoate). *Capital Resin Corp.*

3922 Triethylene glycol monoethyl ether

112-50-5 H



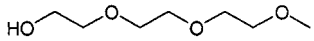
$C_8H_{18}O_4$

2-(2-(2-Ethoxyethoxy)ethoxy)ethanol.

4-01-00-02401 (Beilstein Handbook Reference); AI3-14498; BRN 1700466; Dowanol TE; EINECS 203-978-9; Ethanol, 2-(2-(2-ethoxyethoxy)ethoxy)-; 2-(2-(2-Ethoxy-ethoxy)ethoxy)ethanol; Ethoxy triglycol; Ethoxytriethylene glycol; Ethoxytriglycol; Ethyltriglycol; HSDB 899; Poly-Solv TE; Triethylene glycol ethyl ether; Triethylene glycol, monoethyl ether; Triglycol monoethyl ether; 3,6,9-Trioxaundecan-1-ol.

3923 Triethylene glycol monomethyl ether

112-35-6 H



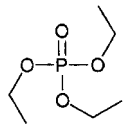
$C_7H_{16}O_4$

2-(2-(2-Methoxyethoxy)ethoxy)ethanol.

4-01-00-02401 (Beilstein Handbook Reference); BRN 1700198; Dowanol TMAT; EINECS 203-962-1; Ethanol, 2-(2-(2-methoxyethoxy)ethoxy)-; HSDB 1001; 2-(2-(2-Methoxyethoxy)ethoxy)ethanol; Methoxytriethylene glyc-ol; Methoxytriglycol; Methyltrioxitol; NSC 97395; Poly-Solv TM; Triethylene glycol methyl ether; Triethylene glycol monomethyl ether; Triglycol monomethyl ether; 3,6,9-Trioxa-1-decanol.

3924 Triethyl phosphate

78-40-0 9747 H



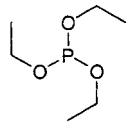
$C_6H_{15}O_4P$

Phosphoric acid, triethyl ester.

4-01-00-01339 (Beilstein Handbook Reference); AI3-00653; BRN 1705772; CCRIS 4882; EINECS 201-114-5; Ethyl phosphate ($(EtO)_3PO$); HSDB 2561; NSC 2677; Phosphoric acid, triethyl ester; TEP; Triethoxyphosphine oxide; Triethyl phosphate; Triethylfosfat; Triethylphos-phate; Tris(ethyl) phosphate. Intermediate in manufacture of agricultural insecticides; in floor polishes, unsaturated polyesters, lubricants; as plasticizer, solvent, and catalyst. Liquid; mp = -56.4°; bp = 215.5°; d^{20} = 1.0695; soluble in H_2O, EtOH, Et_2O. *Eastman Chem. Co.; Miles Inc.*

3925 Triethyl phosphite

122-52-1 G H



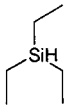
$C_6H_{15}O_3P$

Phosphorous acid, triethyl ester.

4-01-00-01333 (Beilstein Handbook Reference); AI3-15624; BRN 0956578; EINECS 204-552-5; Ethyl phosphite, $(EtO)_3P$; Fosforyn trojetylowy; HSDB 895; NSC 5284; Phosphorous acid, triethyl ester; Triethoxy-phosphine; Triethyl phosphite; UN2323. Used as a plasticizer and a reducing agent. Used in stabilizers, lube and grease additives. Liquid; bp = 157.9°; d^{20} = 0.9629; λ_m = 260 nm (ε = 1, EtOH); insoluble in H_2O, very soluble in EtOH, Et_2O; LD_{50} (rat orl) = 1840 mg/kg. *Akzo Chemie; Albright & Wilson Americas Inc.; Albright & Wilson UK Ltd.; ICI Americas Inc.; Janssen Chimica.*

3926 Triethylsilane

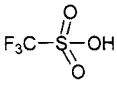
617-86-7 G



$C_6H_{16}Si$
Triethylsilicon hydride.
CT2523; EINECS 210-535-3; NSC 93579; Silane, triethyl-; Triethylsilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -156.9°; bp = 109°; d^{20} = 0.7302; insoluble in H_2O, H_2SO_4. *Degussa-Hüls Corp.*

3927 Triflic acid

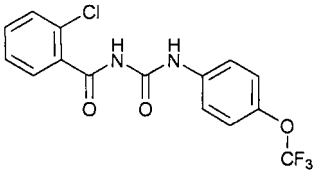
1493-13-6 G



CHF_3O_3S
Trifluoromethanesulfonic acid.
AI3-62912; EINECS 216-087-5; Fluorad® FC-24; Methanesulfonic acid, trifluoro-; Perfluoromethane-sulfonic acid; Trifluoromethanesulfonic acid; Trifluoro-methanesulphonic acid. Catalyst and reactant increasing yields in polymerization of epoxies, styrenes, THF, in alkylation and acylation reactions; improves octane rating; used with nitric acid for higher yields of pharmaceuticals, explosives, dyes, and intermediates. Liquid; mp = -40°; bp = 162°; d = 1.6960. *3M; Lancaster Synthesis Co.*

3928 Triflumuron

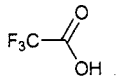
64628-44-0 9751 G P



$C_{15}H_{10}ClF_3N_2O_3$
2-Chloro-N-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide.
AI3-29368; Alsystin; Alsystine; Bay-Sir 8514; BAY-Vi 7533; Benzamide, 2-chloro-N-(((4-(trifluoromethoxy)-phenyl)amino)carbonyl)-; BRN 2776684; Caswell No. 217C; 1-(o-Chlorobenzoyl)-3-(p-(trifluoromethoxy)-phen-yl)urea; 2-Chloro-N-(((4-(trifluoromethoxy)phenyl)-am-ino)carbonyl)benzamide; EPA Pesticide Chemical Code 118201; Mascot; OMS 2015; SIR 8514; Triflumuron; Trifluron; Trifumuron. Insecticide. Chitin synthesis inhibitor, used for control of Lepidoptera, Psyllidae, Dipter and Coleoptera on fruit, soy beans, forest trees and cotton. Colorless powder; mp = 195°; almost insoluble in H_2O (0.0000025 g/100 ml at 20°), soluble in CH_2Cl_2 (2 - 5 g/100 ml), i-PrOH (0.1 - 0.2 g/100 ml), C_7H_8 (0.2 - 0.5 g/100 ml); LD_{50} (rat, mus orl) > 5000 mg/kg, (dog orl) > 1000 mg/kg, (rat der) > 5000 mg/kg, (Japanese quail orl) > 5000 mg/kg, (fcanary orl) > 1000 mg/kg; LC_{50} (rat ihl 4 hr.) > 0.12 mg/l air, (carp, golden orfe 96 hr.) >100 mg/l. *Bayer Corp., Agriculture; Bayer Corp.*

3929 Trifluoroacetic acid

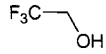
76-05-1 9754 G



$C_2HF_3O_2$
Trifluoroacetic acid.
4-02-00-00458 (Beilstein Handbook Reference); Acetic acid, trifluoro-; AI3-28549; BRN 0742035; EINECS 200-929-3; Kyselina trifluoroctova; NSC 77366; Perfluoro-acetic acid; Trifluoracetic acid; Trifluoroacetic acid; Trifluoroethanoic acid; UN2699. Strong nonoxidizing acid, laboratory reagent, solvent, catalyst. mp = -15.2°; bp = 73°; d^{25} = 1.5351; soluble in H_2O, organic solvents; LD_{50} (mus iv) = 1200 mg/kg. *Alcoa Ind. Chem.; Allied Signal; Janssen Chimica; Sigma-Aldrich Fine Chem.; Solvay America Inc.*

3930 Trifluoroethanol

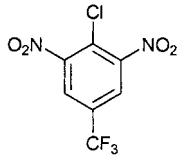
75-89-8 G



$C_2H_3F_3O$
2,2,2-Trifluoroethanol.
4-01-00-01370 (Beilstein Handbook Reference); AI3-25486; BRN 1733203; EINECS 200-913-6; Ethanol, 2,2,2-trifluoro-; Fluorinol 85; NSC 451; TFE; Trifluoro-ethanol; β,β,β-Trifluoroethyl alcohol; 2,2,2-Trifluoroethyl alcohol. Used in synthetic chemistry and as a coating for metals in the automobile industry. Liquid; mp = -43.5°; bp = 74°; d^{20} = 1.3842; soluble in EtOH, less soluble in non-polar solvents. *American Nickeloid Co.; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.; Solvay America Inc.*

3931 Trifluoromethyl-3,5-dinitro-4-chloro-benzene

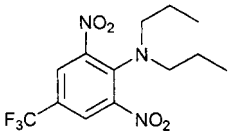
393-75-9 H



$C_7H_2ClF_3N_2O_4$
1-Chloro-2,6-dinitro-4-(trifluoromethyl)benzene.
1-Chloro-2,6-dinitro-4-(trifluoromethyl)benzene; 2,6-Di-nitro-4-trifluoromethylchlorobenzene; 3,5-Dinitro-4-chloro-α,α,α-trifluorotoluene; 3,5-Dinitro-4-chloro-benzotrifluoride; 4-Chloro-3,5-dinitrobenzotrifluoride; Benzene, 2-chloro-5-(trifluoromethyl)-1,3-dinitro-; Benzo-trifluoride, 4-chloro-3,5-dinitro-; BRN 1220937; CCRIS 2818; EINECS 206-889-3; HSDB 4262; NSC 88274; Toluene, 4-chloro-3,5-dinitro-α,α,α-trifluoro-; Trifluoro-methyl-3,5-dinitro-4-chlorobenzene.

3932 Trifluralin

1582-09-8 9757 G H P

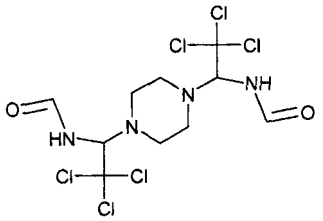


$C_{13}H_{16}F_3N_3O_4$
2,6-Dinitro-4-trifluormethyl-N,N-dipropylaniline.
Agreflan; Agriflan 24; Agriphlan 24; AI3-28203; BRN 1893555; Caswell No. 889; CCRIS 607; Crisalin; Crisalina; Digermin; EINECS

216-428-8; Elancolan; EPA Pesticide Chemical Code 036101; HSDB 1003; Ipersan; L-36352; Lilly 36,352; NCI-C00442; Nitran; Nitran K; Olitref; Su seguro carpidor; Super-Treflan; Synfloran; Trefanocide; Treficon; Treflan; Treflan EC; Treflanocide elancolan; TRI-4; Trifluralin; Trifluralina 600; Trifluraline; Triflurex; Trifurex; Trikepin; Trim; Tristar. A herbicide against annual weeds such as cottonweeds, bean, tomato, pear, garlic and sunflower weeds; very efficient against amaranth, bristle-grass, knapweed etc. Used for pre-emergence control of annual grasses and broad-leaved weeds. Registered by EPA as a herbicide and plant growth regulator. Yellow crystals; mp = 46 - 47°; bp4.2 = 139 - 140°, slightly soluble in H_2O (0.0024 g/100 ml), freely soluble in Me_2CO (40 g/100 ml), xylene (58 g/100 ml); LD_{50} (rat orl) = 500 mg/kg, (rat orl) > 10000 mg/kg, (mus orl) = 500 mg/kg, (dog, rbt orl) > 2000 mg/kg, (ckn orl) > 2000 mg/kg, (bee orl) = 0.011 mg/bee; LC_{50} (rainbow trout 96 hr.) = 0.01 - 0.04 mg/l, (bluegill sunfish 96 hr.) 0.02 - 0.09 mg/l. *Agan Chemical Manufacturers; Agrimont; Am. Cyanamid; Chemical Combine; Dow AgroSciences; DowElanco Ltd.; Drexel Chemical Co.; Earth Care; Griffin LLC; Helena Chemical Co.; ICI; Knox Fertilizer Co. Inc.; Riverdale Chemical Co; Rockland Corp.; Shell; UAP - Platte Chemical.*

3933 Triforine

26644-46-2 9762 G P



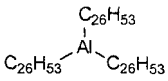
$C_{10}H_{14}Cl_6N_4O_2$

N,N'-(1,4-Piperazinediyl-bis(2,2,2-trichloroethylidine))-bis(formamide).

5-23-01-00042 (Beilstein Handbook Reference); Biformylchlorazin; N,N'-Bis(1-formamido-2,2,2-trichloro-ethyl)piperazine; 1,4-Bis(2,2,2-trichloro-1-formamido-ethyl)piperazine; BRN 0626358; CA 70203; CA 73021; Caswell No. 890AA; Cela W-524; CELA 50; CELA W 524; CME 74770; Compound W; CW 524; Denarin; EINECS 247-872-0; EPA Pesticide Chemical Code 107901; Formamide, N,N'-(1,4-piperazinediylbis(2,2,2-trichloroethylidene))bis-; NSC 263493; Ortho Rose Pride Funginex Rose and Shrub Disease Control; Piperazine, 1,4-bis(1-formamido-2,2,2-trichloroethyl)-; Funginex; 1,1'-Piperazine-1,4-diyldi-(N-(2,2,2-trichloroethyl)-formamide); N,N'-(1,4-Piperazinediyl-bis(2,2,2-trichloro-ethyldene))bis(formamide); N,N'-(1,4-Piperazinediylbis-(2,2,2-trichloroethylidene))bisformamide; N,N'-(Piper-azine-1,4-diylbis((trichloromethyl)methylene))diform-amide; Saprol; Triforin; Triforine; W 524. Fungicide. Registered by EPA as a fungicide. White crystals; mp = 155°; soluble in H_2O (0.0027 - 0.0029 g/100 ml), insoluble in most organic solvents, soluble in DMF (33 g/100 ml), N-methylpyrrolidone (47.6 g/100 ml), THF; Me_2CO (1.1 g/100 ml), CH_2Cl_2 (0.1 g/100 ml), MeOH 1 g/100 ml), dioxane, cyclohexanone; half-life in soil ca. 3 weeks; LD_{50} (rat orl) > 16000 mg/kg, (mus orl) > 6000 mg/kg, (dog orl) > 2000 mg/kg, (rbt, rat der) > 10000 mg/kg, (rat ip) > 4000 mg/kg, (bobwhite quail orl) > 5000 mg/kg; LC_{50} (rat ihl 1 hr.) > 4.5 mg/l air; (bluegill sunfish, rainbow trout 96 hr.) > 1000 mg/l; non-toxic to bees. *BASF Corp.; Scotts Co.; Synchemicals Ltd.*

3934 Trihexacosylaluminum

10449-71-5 H



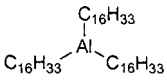
$C_{78}H_{159}Al$

Tri(n-hexacosyl) aluminum.

Aluminum, trihexacosyl-; EINECS 233-934-4; Tri(hexa-cosyl) aluminum; Trihexacosylaluminium; Trihexacosyl-aluminum.

3935 Trihexadecyaluminum

1726-65-4 H



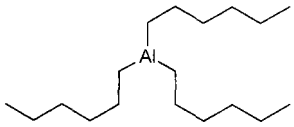
$C_{48}H_{99}Al$

Tri-n-hexadecyaluminum.

Aluminum, trihexadecyl-; EINECS 217-039-6; HSDB 5851; Tri(hexadecyl) aluminum; Trihexadecylaluminium.

3936 Trihexylaluminum

1116-73-0 H



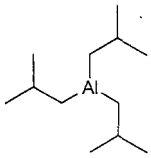
$C_{18}H_{39}Al$

Tri-n-hexylaluminum.

Aluminum, trihexyl-; EINECS 214-241-6; HSDB 5785; Tri-n-hexylaluminium; Trihexylaluminium; Trihexylalum-inum; Tri-n-hexylaluminum.

3937 Triisobutylaluminum

100-99-2 H



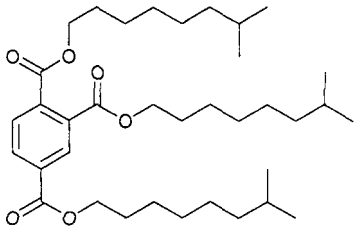
$C_{12}H_{27}Al$

Tris(2-methylpropyl)aluminum.

4-04-00-04400 (Beilstein Handbook Reference); Aluminum, triisobutyl-; Aluminum, tris(2-methylpropyl)-; BRN 3587328; EINECS 202-906-3; HSDB 1004; Tibal; Triisobutylalane; Triisobutylaluminium; Triisobutyl-aluminum; Tris(2-methylpropyl)aluminum; Tris(isobutyl)-alane; Tris(isobutyl)aluminum.

3938 Triisononyl benzene-1,2,4-tricarboxylate

53894-23-8 H

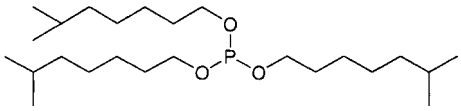


$C_{36}H_{60}O_6$
1,2,4-Benzenetricarboxylic acid, triisononyl ester.
1,2,4-Benzenetricarboxylic acid, triisononyl ester; EINECS 258-847-9; Triisononyl benzene-1,2,4-tricarboxylate.

3939 Triisooctyl (stibylidynetrithio)triacetate
27288-44-4 H

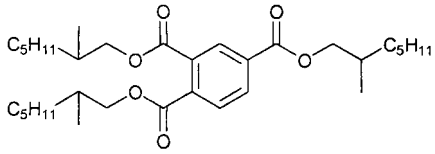
$C_{30}H_{60}O_6S_3Sb$
Antimony tris(isooctyloxycarbonylmethylmercaptide).
Acetic acid, (stibylidynetrithio)tri-, triisooctyl ester; Acetic acid, mercapto-, isooctyl ester, antimony(3+) salt; Antimony tris(isooctyloxycarbonylmethylmercaptide); Antimony(3+) tris(2-(isooctyloxy)-2-oxoethanethiolate); EINECS 248-388-2; (Stibylidynetrithio)triacetic acid, triisooctyl ester; Triisooctyl (stibylidynetrithio)triacetate.

3940 Triisooctyl phosphite
25103-12-2 G



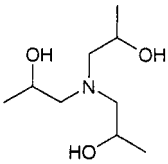
$C_{24}H_{51}O_3P$
Phosphorous acid tri-isooctyl ester.
EINECS 246-614-4; Isooctyl phosphite ($(C_8H_{17}O)_3P$); Phosphorous acid, triisooctyl ester; Triisooctyl phosphite; Weston® TIOP. Intermediate; insecticides; lubricant additive; specialty solvents; stabilizer for acrylics, nylon, unsaturated polyester, PVC; improves antiwear and antifriction properties. Stabilizer for hot-melt adhesives, PU, polyesters; used in molding, extrusion, and film applications in PP, HDPE, LDPE, PVC, and polyesters; also useful for PP fiber applications and calendering of PVC. Oil; d = 0.891. *Albright & Wilson Americas Inc.; GE Specialities; Stave.*

3941 Triisooctyl trimellitate
27251-75-8 H



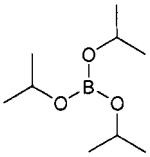
$C_{33}H_{54}O_6$
1,2,4-Benzenetricarboxylic acid, triisooctyl ester.
1,2,4-Benzenetricarboxylic acid, triisooctyl ester; EINECS 248-365-7; Triisooctyl benzene-1,2,4-tricarboxylate; Tri-isooctyl trimellitate.

3942 Triisopropanolamine
122-20-3 G H



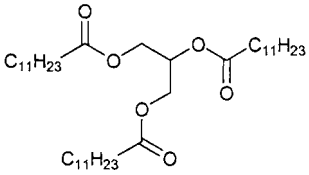
$C_9H_{21}NO_3$
1,1',1"-Nitrilotri-2-propanol.
4-04-00-01680 (Beilstein Handbook Reference); AI3-01450; BRN 1071570; Caswell No. 891; CCRIS 4884; EINECS 204-528-4; EPA Pesticide Chemical Code 004209; HSDB 5593; 1,1',1"-Nitrilotri-2-propanol; NSC 4010; 2-Propanol, 1,1',1"-nitrilotris-; TIPA; Tri-2-propanolamine; Tri-iso-propanolamine; Triisopropanol-amine. Emulsifying agent. Solid; mp = 45°; bp32 ▪ 190°, bp10 = 170-180°; d^{20} = 1.0; slightly soluble in $CHCl_3$, soluble in H_2O, EtOH. *Ashland; Sigma-Aldrich Fine Chem.*

3943 Triisopropyl borate
5419-55-6 H



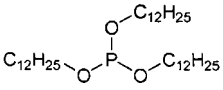
$C_9H_{21}BO_3$
Boric acid (H_3BO_3), triisopropyl ester.
4-01-00-01488 (Beilstein Handbook Reference); AI3-61082; Boric acid (H_3BO_3), tris(1-methylethyl) ester; Boric acid, (H_3BO_3), triisopropyl ester; Boric acid (H_3BO_3), triisopropyl ester; Boric acid, triisopropyl ester; Boric acid, tris(1-methylethyl) ester; Boron isopropoxide; Boron triisopropoxide; BRN 1701469; EINECS 226-529-9; Isopropyl borate; NSC 9779; Triisopropoxy borane; Triisopropoxy boron; Triisopropyl borate; Triisopropyl orthoborate; Trisisopropoxyborane; UN2616. Liquid; bp = 140°, bp76 = 75°; d^{20} = 0.8251; very soluble in EtOH, Et_2O, C_6H_6, n-PrOH.

3944 Trilaurin
538-24-9 G



$C_{39}H_{74}O_6$
Glyceryl tri-laurate.
AI3-11124; CCRIS 6991; Dodecanoic acid, 1,2,3-propanetriyl ester; EINECS 208-687-0; Glycerin trilaurate; Glyceryl tridodecanoate; Glyceryl trilaurate; Lauric acid triglyceride; Lauric acid triglycerin ester; Laurin, tri-; NSC 4061; 1,2,3-Propanetriol tridodecanoate; Trilaurin. Needles; mp = 45-47°; d^{20} ▪ 0.8986; insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, petroleum ether, very soluble in Me_2CO, C_6H_6.

3945 Trilauryl phosphite
3076-63-9 G

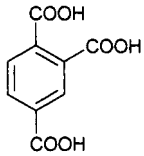


$C_{36}H_{75}O_3P$
Dodecyl phosphite.
AI3-51074; Dodecyl phosphite, $(C_{12}H_{25}O)_3P$; Dover-phos® 53; Doverphos® TLP; EINECS 221-356-5; NSC 44603; P 2; P 2 (antioxidant); Phosclere T 312; Phos-phorous acid, tridodecyl ester; Tridodecyl phosphite; Tri-n-dodecyl phosphite; Trilauryl phosphite.

Antioxidant and EP additive for lubricants. *Dover.*

3946 Trimellitic acid

528-44-9 9775 G H



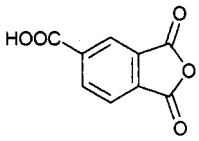
$C_9H_6O_6$

1,2,4-Benzenetricarboxylic acid.

4-09-00-03746 (Beilstein Handbook Reference); 1,2,4-Benzenetricarboxylic acid; 1,3,4-Benzenetricarboxylic acid; 1,4,5-Benzenetricarboxylic acid; 4-Carboxyphthalic acid; BRN 2214815; EINECS 208-432-3; NSC 72986; 1,2,4-Tricarboxybenzene; Trimellitic acid. Used in organic synthesis. Needles; mp = 219°; λmLks = 296 nm (ε = 1585, H_2O); very soluble in H_2O (2.1 g/100 ml), EtOH, Et_2O.

3947 Trimellitic anhydride

552-30-7 9776 H



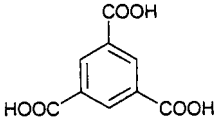
$C_9H_4O_5$

1,2,4-Benzenetricarboxylic acid 1,2-anhydride.

5-18-08-00562 (Beilstein Handbook Reference); Anhyd-ride-ethomid ht polymer; Anhydrotrimellic acid; Anhyd-rotrimellitic acid; Benzene-1,2,4-tricarboxylic acid 1,2-anhydride; BRN 0009394; CCRIS 6282; EINECS 209-008-0; Epon 9150; HSDB 4299; 5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-; NCI-C56633; NSC 60252; 5-Phthalanacarboxylic acid, 1,3-dioxo-; TMA; Trimellic acid anhydride; Trimellic acid 1,2-anhydride. Crystals; mp = 162°; bp_{14} = 240-243°.

3948 Trimesic acid

554-95-0 G



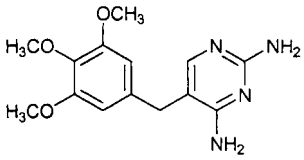
$C_9H_6O_6$

1,3,5-Benzenetricarboxylic acid.

AI3-06468; 5-Carboxyisophthalic acid; EINECS 209-077-7; NSC 3998; 1,3,5-Tricarboxybenzene; Trimesic acid; Trimesinic acid; Trimesitinic acid. Chemical intermediate. White solid; mp > 330°.

3949 Trimethoprim

738-70-5 9782 D



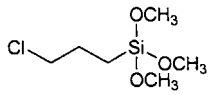
$C_{14}H_{18}N_4O_3$

5-[(3,4,5-Trimethoxyphenyl)methyl]-2,4-pyrimidinedi-amine.

Abaprim; Acuco; AI3-52594; Alcorim-F; Alprim; Anitrim; Antrima; Antrimox; Apo-Sulfatrim; Bacdan; Bacidal; Bacide; Bacin; Bacta; Bacterial; Bacticel; Bactifor; Bactoprim; Bactramin; Bactrim; Bencole; Bethaprim; Biosulten; Briscotrim; BRN 0625127; BW 56-72; CCRIS 2410; Centrim; Chemotrin; Cidal; Co-Trimoxizole; Colizole; Conprim; Cotrim; Cotrimel; Deprim; Diseptyl; Dosulfin; DRG-0030; Duocide; EINECS 212-006-2; Esbesul; Espectrin; Euctrim; Exbesul; Fermagex; Fortrim; Futin; HSDB 6781; Idotrim; Ikaprim; Instalac; Kombinax; Lagatrim; Lagatrim Forte; Lastrim; Lescot; Lidaprim; Methoprim; Metoprim; Monoprim; Monotrim; Monotrimin; NIH 204; Novotrimel; NSC-106568; Omstat; Pancidim; Primosept; Primsol; Proloprim; Protrin; Purbal; Resprim; Roubac; Roubal; Salvatrim; Septra; Septrin DS; Septrin Forte; Septrin S; Setprin; Sinotrim; Smz-Tmp; SMZ/TMP; Stopan; Streptoplus; Sugaprim; Sulfamar; Sulfamethoprim; Sulfamethoxazole Trimetho-prim; Sulfatrim; Sulfoxaprim; Sulmeprim; Sulthrim; Sultrex; Syraprim; Tiempe; Tmp Smx; Toprim; Trimanyl; Trimeth/Sulfa; Trimethoprim; Trimethoprime; Trimetho-primum; Trimetoprim; Trimetoprima; Trimexol; Trimez-IFSA; Trimezol; Trimogal; Trimono; Trimopan; Trimpex; Triprim; Trisul; Trisulcom; Trisulfam; Trisural; U-Prin; Uretrim; Uro-D S; Urobactrim; Utetrin; Velaten; Veltrim; Wellcoprim; Wellcoprin; WR 5949; Xeroprim; Zamboprim. A 2,4-diaminopyrimidine antibiotic. Cryst-als; mp = 199-203°; soluble in dimethylacetamide (13.86 g/100 ml), benzyl alcohol (7.29 g/100 ml), propylene glycol (2.57 g/100 ml), $CHCl_3$ (1.82 g/100 ml), MeOH (1.21 g/100 ml), H_2O (0.04 g/100 ml), Et_2O (0.003 g/100 ml), C_6H_6 (0.002 g/100 ml); LD_{50} (mus orl) = 7000 mg/kg. *Glaxo Wellcome Inc.; Hoffmann-LaRoche Inc.*

3950 Trimethoxy(3-chloropropyl)silane

2530-87-2 G H



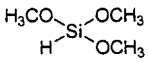
$C_6H_{15}ClO_3Si$

3-(Trimethoxysilyl)propyl chloride.

A 143; CC3300; 3-Chloropropyltrimethoxysilane; CPS-M; CPTMO; Dynasylan® CPTMO; EINECS 219-787-9; KBM 703; NSC 83878; SH 6076; Sila-Ace S 620; Silane, (3-chloropropyl)trimethoxy-; Trimethoxy(3-chloropropyl)-silane; 3-(Trimethoxysilyl)propyl chloride; Z 6076. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer and reducing agent. Used with epoxies, nylons and urethanes. Liquid; bp = 195-196°; d = 1.081; irritating to eyes, respiratory sytem, skin. *Degussa-Hüls Corp.; Dow Corning; Howard Hall; OSI Specialties; PCR; Union Carbide Corp.*

3951 Trimethoxysilane

2487-90-3 H



$C_3H_{10}O_3Si$

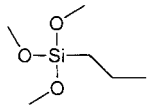
Trimethoxysilane.

4-01-00-01266 (Beilstein Handbook Reference); BRN 1697990; EINECS 219-637-2; HSDB 6320; NA9269; Silane, trimethoxy-;

Trimethoxysilane.

3952 Trimethoxysilylpropane

1067-25-0 G



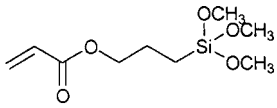
$C_6H_{16}O_3Si$

n-Propyltrimethoxysilane.

CP0810; Dynasylan PTMO; EINECS 213-926-7; n-Propyltrimethoxysilane; Silane, trimethoxypropyl-; Trimethoxypropylsilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Hüls Am.*

3953 3-(Trimethoxysilyl)propyl 2-propenoate

4369-14-6 G



$C_9H_{18}O_5Si$

3-Acryloxypropyltrimethoxysilane.

3-Acryloxypropyltrimethoxysilane; CA0397; 2-Propenoic acid, 3-(trimethoxysilyl)propyl ester. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp3 = 97°. *Degussa-Hüls Corp.*

3954 Trimethylamine

75-50-3 9783 H

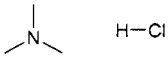
C_3H_9N

N,N-Dimethylmethanamine.

AI3-15639; CCRIS 6283; Dimethylmethaneamine; EINECS 200-875-0; FEMA Number 3241; HSDB 808; Methanamine, N,N-dimethyl-; N-Trimethylamine; N,N-Dimethylmethanamine; Trimethylamine; UN1083; UN1297. Used to impart an odor to natural gas, as an insect attractant and in chemical synthesis. Gas; mp = -117.1°; bp = 2.8°; d^{25} = 0.0627; soluble in H_2O, organic solvents. *Alfa Aesar; Alfa Chem. Ltd.; DuPont; Fluka; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

3955 Trimethylammonium chloride

593-81-7 H



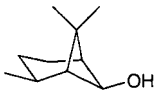
$C_3H_{10}ClN$

Trimethylamine monohydrochloride.

EINECS 209-810-0; HSDB 5710; Methanamine, N,N-dimethyl-, hydrochloride; NSC 91484; Trimethylamine, hydrochloride; Trimethylamine monohydrochloride; Trimethylammonium chloride. Crystals; mp = 277.5°; bp sublimes; very soluble in H_2O, EtOH, $CHCl_3$.

3956 2,6,6-Trimethylbicyclo(3.1.1)heptanol

98510-89-5 H



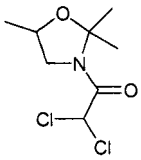
$C_{10}H_{18}O$

Bicyclo[3.1.1]heptanol, 2,6,6-trimethyl-.

2,6,6-Trimethyl-bicyclo(3.1.1)heptanol.

3957 2,2,5-Trimethyl-3-(dichloroacetyl)-1,3-oxazolidine

52836-31-4 H



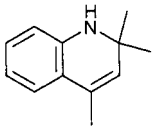
$C_8H_{13}Cl_2NO_2$

3-(Dichloroacetyl)-2,2,5-trimethyloxazolidine.

3-(Dichloroacetyl)-2,2,5-trimethyloxazolidine; EINECS 258-214-7; Oxazolidine, 3-(dichloroacetyl)-2,2,5-tri-methyl-; R 29148; 2,2,5-Trimethyl-3-dichloroacetyl-1,3-oxazolidine.

3958 Trimethyl-1,2-dihydroquinoline

147-47-7 H



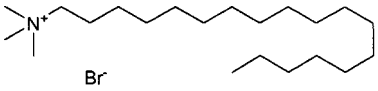
$C_{12}H_{15}N$

2,2,4-Trimethyl-1,2-dihydroquinone.

Acetone anil; Acetone anil (quinoline deriv.); Agerite resin D; AI3-17714; CCRIS 4795; EINECS 205-688-8; Flectol A; Flectol H; Flectol pastilles; HSDB 1103; NCI-C60902; NSC 4175; Polnox R; Quinoline, 1,2-dihydro-2,2,4-trimethyl-; Trimethyl dihydroquinoline; Trimethyl-1,2-dihydroquinoline; Vulkanox HS/LG; Vulkanox HS/powder.

3959 Trimethyloctadecylammonium bromide

1120-02-1 G



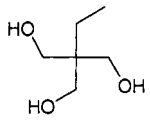
$C_{21}H_{46}BrN$

Trimethyl octadecyl ammonium bromide.

EINECS 214-294-5; 1-Octadecanaminium, N,N,N-trimethyl-, bromide; Zeonet B; Stearyltrimethyl-ammonium bromide; N,N,N-Trimethyl-1-octadecan-aminium bromide; Trimethyloctadecylammonium bromide. Accelerator for Nipol AR and HyTemp 4050 series polyacrylate elastomers. *Nippon Zeon.*

3960 Trimethylolpropane

77-99-6 G H



$C_6H_{14}O_3$

1,1,1-Tris(hydroxymethyl)propane.

4-01-00-02786 (Beilstein Handbook Reference); AI3-24124; BRN 1698309; EINECS 201-074-9; Ethriol; Ethyltrimethylolmethane; Etriol; Ettriol; Hexaglycerine; Hexaglycerol; HSDB 5218; Methanol, (propanetriyl)tris-; NSC 3576; Propane, 1,1,1-tris(hydroxymethyl)-; Propyl-idynetrimethanol; TMP; Tri(hydroxymethyl)-propane; Tri-methylolpropane; Tris(hydroxymethyl)propane. Conditi-oner, manufacture of varnishes, alkyd resins, synthetic drying oils, urethane foams and coatings, silicone lube oils, lactone plasticizers, textile finishes, surfactants, epoxidation products. White crystals; mp = 58°; bp5 = 160°; freely soluble in H_2O, EtOH. *Hoechst Celanese; Mitsubishi Gas; Perstorp AB.*

3961 Trimethylolpropane ethoxytriacrylate

28961-43-5 H

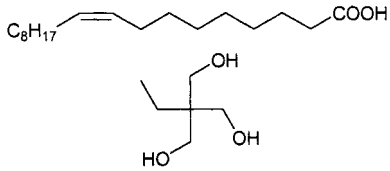
$(C_2H_4O)_x.(C_2H_4O)_y.(C_2H_4O)_z.C_{15}H_{20}O_6$

Ethanol, 2,2',2"-(propylidynetris(methyleneoxy))tri-, tri-acrylate.

Ethanol, 2,2',2"-(propylidynetris(methyleneoxy))tri-, tri-acrylate; Ethoxylated trimethylolpropane triacrylate; Trimethylolpropane ethoxylated, triacrylate; Trimethyl-olpropane ethoxytriacrylate; Trimethylolpropane poly-oxyethylene triacrylate.

3962 Trimethylolpropane oleate

70024-57-6 H



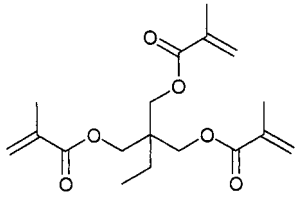
$C_{18}H_{34}O_2.xC_6H_{14}O_3$

9-Octadecenoic acid (9Z)-, ester with 2-ethyl-2-(hydroxy-methyl)-1,3-propanediol.

EINECS 274-260-0; 9-Octadecenoic acid (Z)-, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol; Trimethylolpropane oleate.

3963 Trimethylolpropane trimethacrylate

3290-92-4 G H



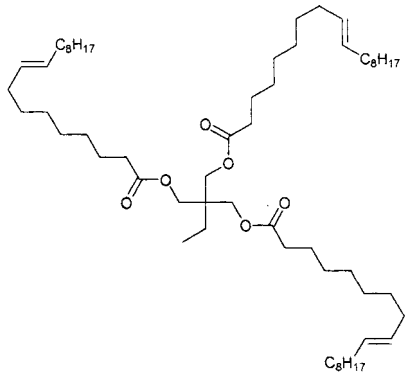
$C_{18}H_{26}O_6$

2-Ethyl-2(hydroxymethyl)-1,3-propanediol trimethacryl-ate.

Acryester TMP; Ageflex TM 402; Ageflex TM 403; Ageflex TM 404; Ageflex TM 410; Ageflex TM 421; Ageflex TM 423; Ageflex TM 451; Ageflex TM 461; Ageflex TM 462; Ageflex TMPTMA; Blemmer PTT; BRN 5961805; CCRIS 530; Chemlink 30; Chemlink 3080; EINECS 221-950-4; Hi-Cross M; Light Ester TMP; Methacrylic acid, 1,1,1-trihydroxymethyl propane triester; Monocizer TD 1500; NK Ester TMPT; NK Ester M TMPT; NSC 84261; Perkalink® 400; Perkalink® 400-50D; Propylidynetri-methyl trimethacrylate; PTMA; Saret 515; Sartomer 350; Sartomer SR 350; SR 350; TD 1500; TD 1500 S; TMPT (crosslinking agent); Trimethylolpropane trimethacrylate. Used as a processing aid for extrusion and molding of plastisols and rubber compounds (improves abrasion resistance, adhesion in PVC plastisols, scorch and chemical resistance, elevated temperature stability). Co-agent to improve efficiency of peroxide-induced cross-linking of rubber and sensitizer for radiation-cured compounds; used with wire and cable, hard rubber rolls, polybutadiene and polyethylene, moisture barrier films and coatings, plastisols and vinyl acetate latexes, adhesives, molding compounds, textile products. Liquid; bp = 185°; d = 1.060. *Akzo Chemie; Rit-Chem; Sartomer; Sigma-Aldrich Fine Chem.; US Chemical Corp.*

3964 Trimethylolpropane trioleate

57675-44-2 H



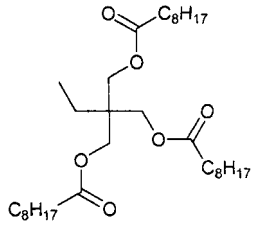
$C_{60}H_{110}O_6$

2-Ethyl-2-(((1-oxooleyl)oxy)methyl)-1,3-propanediyl dioleate.

EINECS 260-895-0; 2-Ethyl-2-(((1-oxooleyl)oxy)methyl)-1,3-propanediyl dioleate; 9-Octadecenoic acid (9Z)-, 2-ethyl-2-((((9Z)-1-oxo-9-octadecenyl)oxy)methyl)-1,3-prop-anediyl ester; Trimethylolpropane trioleate.

3965 Trimethylolpropane tripelargonate

126-57-8 H



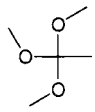
$C_{33}H_{62}O_6$

2-Ethyl-2-(((1-oxononyl)oxy)methyl)propane-1,3-diyl dinonan-1-oate.

EINECS 204-793-6; 2-Ethyl-2-(((1-oxononyl)oxy)methyl)-propane-1,3-diyl dinonan-1-oate; Nonanoic acid, 2-ethyl-2-(((1-oxononyl)oxy)methyl)-1,3-propanediyl ester; Non-anoic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol; Trimethylolpropane tripelargonate.

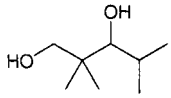
3966 Trimethyl orthoacetate

1445-45-0 H



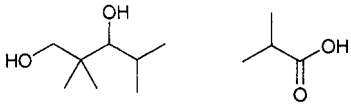
$C_5H_{12}O_3$
Ethane, 1,1,1-trimethoxy-.
AI3-24332; EINECS 215-892-9; Ethane, 1,1,1-trimethoxy-; Orthoacetic acid, trimethyl ester; 1,1,1-Trimethoxyethane; Trimethyl orthoacetate. Liquid; bp = 108°; d^{25} = 0.9438; very soluble in EtOH, Et_2O.

3967 Trimethylpentanediol
144-19-4 G H



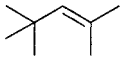
$C_8H_{18}O_2$
2,2,4-Trimethyl-1,3-pentanediol.
4-01-00-02604 (Beilstein Handbook Reference); AI3-02706; BRN 1698098; Caswell No. 893; EINECS 205-619-1; EPA Pesticide Chemical Code 041002; HSDB 1136; NSC 6368; 1,3-Pentanediol, 2,2,4-trimethyl-; TMPD®; TMPD® (alcohol); TMPD® Glycol; 2,2,4-Trimethyl-1,3-pentanediol. Resin intermediate. Plates; mp = 51.5°; bp = 235°, bp_1 = 81-82°; d^{15} = 0.936; slightly soluble in H_2O, soluble in C_6H_6, $CHCl_3$, very soluble in EtOH, Et_2O. *Eastman Chem. Co.*

3968 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate
25265-77-4 G H



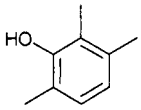
$C_{12}H_{24}O_4$
Isobutyric acid, ester with 2,2,4-trimethyl-1,3-pentane-diol.
Chissocizer CS 12; CS 12; EINECS 246-771-9; Isobutyraldehyde Tishchenko trimer; Isobutyric acid, ester with 2,2,4-trimethyl-1,3-pentanediol; 1,3-Pentanediol, 2,2,4-trimethyl-, monoisobutyrate; Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol; Texanol; Texanol® Ester-Alcohol; 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate. Liquid; bp = 244°; d = 0.9500. *Chisso Corp.; Eastman Chem. Co.*

3969 2,4,4-Trimethyl-2-pentene
107-40-4 H



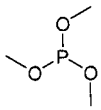
C_8H_{16}
2,4,4-Trimethylpent-2-ene.
AI3-16047; EINECS 203-488-5; HSDB 5377; 2-Pentene, 2,4,4-trimethyl-; 2,2,4-Trimethyl-3-pentene; 2,4,4-Tri-methyl-2-pentene; 2,4,4-Trimethylpent-2-ene; 2,4,4-Tri-methylpentene-2; Propene, 1-tert-butyl-2-methyl-. Liquid; mp = -106.3°; bp = 104.9°; d^{20} = 0.7218; λ_m = 194 nm (ε = 7943, C_6H_{14}).

3970 2,3,6-Trimethylphenol
2416-94-6 H



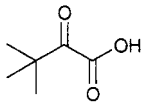
$C_9H_{12}O$
1-Hydroxy-2,3,6-trimethylbenzene.
EINECS 219-330-3; HSDB 5876; 1-Hydroxy-2,3,6-tri-methylbenzene; 3-Hydroxypseudocumene; NSC 91509; Phenol, 2,3,6-trimethyl-; 2,3,6-Trimethylphenol.

3971 Trimethyl phosphite
121-45-9 H



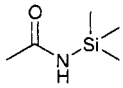
$C_3H_9O_3P$
Phosphorous acid, trimethyl ester.
AI3-60394; EINECS 204-471-5; Fosforyn trojmetylowy; HSDB 1007; NSC 6513; Phosphorous acid, trimethyl ester; Trimethoxyfosfin; Trimethoxyphosphine; Trimethyl phosphite; Trimethylfosfit; Trimethylphosphite; UN2329. Liquid; bp = 111.5°; d^{20} = 1.0518; λ_m = 251, 257, 263 nm (ε = 575, 631, 457, EtOH); slightly soluble in CCl_4, very soluble in EtOH, Et_2O.

3972 Trimethylpyruvic acid
815-17-8 H



$C_6H_{10}O_3$
3,3-Dimethyl-2-oxobutyric acid.
AI3-11509; Butanoic acid, 3,3-dimethyl-2-oxo-; tert-But-ylglyoxylic acid; Butyric acid, 3,3-dimethyl-2-oxo-; 3,3-Dimethyl-2-oxobutyric acid; 3,3-Dimethyl-2-oxobutan-oic acid; EINECS 212-418-2; Glyoxylic acid, tert-butyl-; HSDB 5757; NSC 16648; Pyruvic acid, trimethyl-; Trimethylpyruvic acid. Crystals; mp = 90.5°; bp = 189, bp_{15} = 80°; λ_m= 312 nm (ε = 30, etOH); slightly soluble in H_2O, soluble in Et_2O, C_6H_6, $CHCl_3$, CS_2.

3973 Trimethylsilylacetamide
13435-12-6 G



$C_5H_{13}NOSi$
N-Trimethylsilylacetamide.
4-04-00-04011 (Beilstein Handbook Reference); Acetamide, N-(trimethylsilyl)-; (Acetylamino)trimethyl-silane; BRN 0741928; CT3250; EINECS 236-565-7; NSC 139859; Trimethylsilylacetamide; N-(Trimethylsilyl)acet-amide; N-Trimethylsilylacetamide. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Solid; mp = 40-46°; bp_{18} = 84°. *Degussa-Hüls Corp.*

3974 Trimethylsilyl chloride

75-77-4 G H

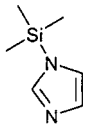
C_3H_9ClSi

Trimethylchlorosilane.

4-04-00-04007 (Beilstein Handbook Reference); BRN 1209232; CCRIS 790; Chlorotrimethylsilane; EINECS 200-900-5; HSDB 1009; Monochlorotrimethylsilicon; NSC 15750; Silane, chlorotrimethyl-; Silane, trimethyl-chloro-; Silicane, chlorotrimethyl-; Silylium, trimethyl-, chloride; TL 1163; Trimethyl chlorosilane; Trimethylchlorosilane; Trimethylsilyl chloride; UN1298. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; mp = -40°; bp = 60°; d^{25} = 0.856; LD_{50} (rat orl) = 4.8 g/kg. *Degussa-Hüls Corp.*

3975 Trimethylsilyl imidazole

18156-74-6 G



$C_6H_{12}N_2Si$

N-(Trimethylsilyl)-imidazole.

5-23-04-00456 (Beilstein Handbook Reference); AI3-52901; BRN 0606148; CT3600; EINECS 242-040-3; Imidazole, 1-(trimethylsilyl)-; Imidazole, N-(trimethyl-silyl)-; 1H-Imidazole, 1-(trimethylsilyl)-; (Trimethylsilyl)-imidazole; 1-(Trimethylsilyl)imidazole; 1-(Trimethylsilyl)-1H-imidazole; N-(Trimethylsilyl)-imidazole; N-(Trimethylsilyl)imidazole; N-(Trimethylsilyl)imidazol; NSC 139860; TSIM. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{14} = 93-94°; d = 0.9560; soluble in $CHCl_3$. *Degussa-Hüls Corp.*

3976 Trimethylsilyl iodide

16029-98-4 G

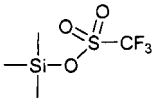
C_3H_9ISi

Iodotrimethylsilane.

CT3610; EINECS 240-171-0; Iodotrimethylsilane; Silane, iodotrimethyl-; Trimethyliodosilane. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. bp = 106°; d = 1.4060; n_D^{20} = 1.4770. Am; Hüls.

3977 Trimethylsilyl triflate

27607-77-8 9790 G



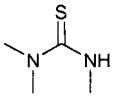
$C_4H_9F_3O_3SSi$

Trimethylsilyl trifluoromethane sulfonate.

CT3795; EINECS 248-565-4; Methanesulfonic acid, trifluoro-, trimethylsilyl ester; Trifluoromethanesulfonic acid trimethylsilyl ester; Trimethylsilyl triflate; Trimethylsilyl trifluoromethanesulfonate; Trimethylsilyl trifluoromethanesulphonate; Trimethylsilyl trifluoromethylsulfonate. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Liquid; bp_{80} = 77°; d = 1.1500. *Degussa-Hüls Corp.*

3978 Trimethyl thiourea

2489-77-2 G



$C_4H_{10}N_2S$

N,N,N'-Trimethylthiourea.

AI3-62303; CCRIS 611; EINECS 219-644-0; HSDB 4095; NCI-C02186; NSC 153385; Thiate E; Thiourea, trimethyl-; Trimethylthiourea; Trimethyl-2-thiourea; 1,1,3-Tri-methylthiourea; 1,1,3-Trimethyl-2-thiourea; Urea, 1,1,3-trimethyl-2-thio-. A proprietary accelerator. *Greef K & K.*

3979 Trimethylvinylmethane

558-37-2 H

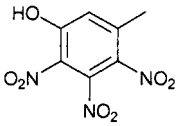
C_6H_{12}

3,3-Dimethyl-1-butene.

1-Butene, 3,3-dimethyl-; 2,2-Dimethyl-3-butene; 3,3-Dimethylbutene; 3,3-Dimethyl-1-butene; EINECS 209-195-9; Neohexene; NSC 74119; tert-Butylethene; tert-Butylethylene; tert-Hexene; Trimethylvinylmethane. Liquid; mp = -115.2°; bp = 41.2°; d^{20} = 0.6529; λ_m = 177 nm (ε = 12589); insoluble in H_2O, soluble in EtOH, Et_2O, $CHCl_3$, CCl_4.

3980 Trinitrocresol

28905-71-7 G



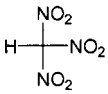
$C_7H_5N_3O_7$

4-Hydroxy-2,3,5-trinitrobenzene.

Methyltrinitrophenol; Trinitrocresolate.

3981 Trinitromethane

517-25-9 9800 G



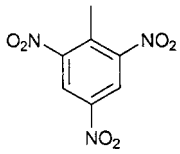
CHN_3O_6

Nitroform.

4-01-00-00107 (Beilstein Handbook Reference); BRN 1708361; EINECS 208-236-8; Methane, trinitro-; Nitroform; Trinitromethane. Used in the manufacture of explsives and propellants. Liquid; mp = 15°; bp explodes; d^{20}: = 1.479; very soluble in EtOH, Me_2CO.

3982 Trinitrotoluene

118-96-7 9801 G



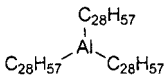
$C_7H_5N_3O_6$

2-Methyl-1,3,5-trinitrobenzene.

Benzene, 2-methyl-1,3,5-trinitro-; CCRIS 1299; EINECS 204-289-6; Gradetol; HSDB 1146; 1-Methyl-2,4,6-trinitrobenzene; NCI-C56155; NSC 36949; TNT; α-TNT; TNT-tolite; 2,4,6-Trinitrotolueen; Trinitrotoluene; 2,4,6-Trinitrotoluene; s-Trinitrotoluene; s-Trinitrotoluol; sym-Trinitrotoluol; 2,4,6-Trinitrotoluol; Tolit; Tolite; Toluene, 2,4,6-trinitro-; Tritol; Trojnitrotoluen; Trotyl; Trotyl oil; UN0209; UN1356. An explosive constituent. Orthorhombic crystals; mp = 80.1°; bp explodes at 240°; d^{25} ■ 1.654; λ_m = 227 nm (ε = 19055, MeOH); insoluble in H_2O, slightly soluble in EtOH, soluble in Et_2O, very soluble in Me_2CO, C_6H_6, C_7H_8, C_5H_5N.

3983 Trioctacosylaluminum

6651-27-0 H



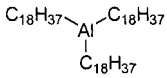
$C_{84}H_{171}Al$

Tri(octacosyl)aluminum.

Aluminum, trioctacosyl-; EINECS 229-674-6; Triocta-cosylaluminium.

3984 Trioctadecylaluminum

3041-23-4 H



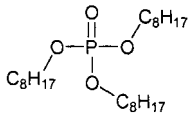
$C_{54}H_{111}Al$

Tri-n-octadecyl aluminum.

Aluminum, trioctadecyl-; EINECS 221-246-7; Tri(octa-decyl) aluminum; Trioctadecylaluminium.

3985 Trioctyl phosphate

78-42-2 G H



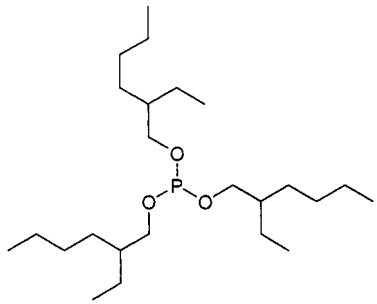
$C_{24}H_{51}O_4P$

Tris(2-ethylhexyl)phosphate.

4-01-00-01786 (Beilstein Handbook Reference); AI3-07852; BRN 1715839; CCRIS 615; Disflamoll TOF; EINECS 201-116-6; Flexol plasticizer TOF; Flexol TOF; HSDB 2562; Kronitex TOF; NCI-C54751; NSC 407921; Phosphoric acid, tris(2-ethylhexyl)ester; TOF; Tri(2-ethylhexyl) phosphate; Triethylhexyl phosphate; Trioctyl phosphate; Tris-(2-ethylhexyl)fosfat; Tris-2(2-ethylhexyl)-fosfat; Tris(2-ethylhexy)phosphate; Tris(ethyl-hexyl) phos-phate. Paint and varnish driers (metallic salts); esters as plasticizers. Solvent, antifoaming agent; flame retardant. Liquid; bp_8 = 220-230°; d = 0.924; soluble in EtOH, Me_2CO, Et_2O. *Akzo Chemie; Albright & Wilson Americas Inc.; Ashland; BASF Corp.; Eastman Chem. Co.; Neste UK; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

3986 Trioctyl phosphite

301-13-3 G



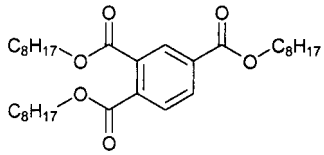
$C_{24}H_{51}O_3P$

Tris(2-ethylhexyl) phosphite.

4-01-00-01785 (Beilstein Handbook Reference); AI3-18581; BRN 1712332; CCRIS 6203; EINECS 206-111-2; JP 308; 1-Hexanol, 2-ethyl-, phosphite (3:1); NSC 3233; Phosphorous acid, tris(2-ethylhexyl) ester; Syn-O-Ad® P-374; Tri-(2-ethylhexyl)phosphite; Trioctyl phosphite; Tris(2-ethylhexyl) phosphite. Antioxidant and antiwear agent in gear and transmission oils Oil; $bp_{0.3}$ = 163-164°; d = 0.902; insoluble in H_2O, soluble in organic solvents. *Akzo Chemie.*

3987 Trioctyl trimellitate

89-04-3 G



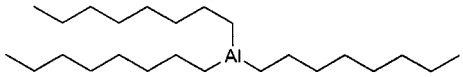
$C_{33}H_{54}O_6$

Trioctyl benzene-1,2,4-tricarboxylate.

ADK CIZER C-8; 1,2,4-Benzenetricarboxylic acid, trioctyl ester; Benzene tricarboxylic acid, trioctyl ester; Diplast® TM; Diplast® TM8; EINECS 201-877-4; HSDB 5263; Jayflex® TOTM; Kodaflex® TOTM; Nuoplaz® 6959; PX 338; TOTM; Tri (2-ethylhexyl) trimellitate; Tri-n-octyl trimellitate; Trimex N 08; Trioctyl trimellitate; Nuoplaz® TOTM; Palatinol® TOTM; Plasthall® TOTM; PX-338; Staflex TOTM; Uniflex® TOTM. Plasticizer Solid; d^{20}_{20} = 0.989; bp = 414°. *Exxon; ExxonMobil Chem. Co.*

3988 Trioctylaluminum

1070-00-4 H



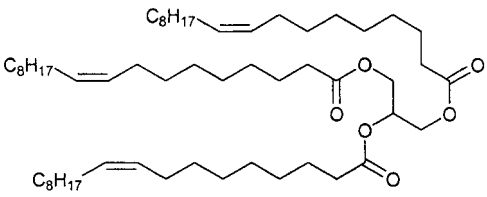
$C_{24}H_{51}Al$

Tri-n-octylaluminum.

Aluminum, trioctyl-; EINECS 213-964-4; HSDB 5779; Tri-n-octylaluminum; Trioctylaluminium; Trioctylaluminum.

3989 Triolein

122-32-7 9802 G H



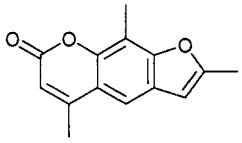
$C_{57}H_{104}O_6$

Glycerol, tri(cis-9-octadecenoate).

Aldo TO; EINECS 204-534-7; Emery 2423; Emery oleic acid ester 2230; Glycerin trioleate; Glycerol, tri(cis-9-octadecenoate); Glycerol trioleate; Glycerol triolein; Glyceryl trioleate; Glyceryl-1,2,3-trioleate; HSDB 5594; Kemester® 1000; Oleic acid triglyceride; Oleic triglyceride; Olein; Olein, tri-; Oleyl triglyceride; Radia® 7363; Raoline; Triolein; Trioleoylglyceride; Trioleoyl-glycerol. Emollient used in cosmetics, textiles, leather, metalworking lubricants; base for sulfation. Lubricant, chemical intermediate; used in formulation of cutting, lamination, and textile oils; corrosion inhibitors; chemical synthesis; as carbon source in antibiotic culture broths. Solid; mp = -32°; bp_{18} = 235-240°; d^{40} = 0.8988; insoluble in H_2O, slightly soluble in EtOH, soluble in $CHCl_3$, petroleum ether, very soluble in Et_2O. *CK Witco Corp.; Fina Chemicals.*

3990 Trioxsalen

3902-71-4 9805 D G



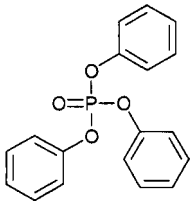
$C_{14}H_{12}O_3$

2,5,9-Trimethyl-7H-Furo[3,2-g][1]benzopyran-7-one.

5-19-04-00472 (Beilstein Handbook Reference); 6-Hydroxy-β,2,7-trimethyl-5-benzofuranacrylic acid γ-lac-tone; 7H-Furo(3,2-g)(1)benzopyran-7-one, 2,5,9-tri-methyl-; BRN 0221723; EINECS 223-459-0; Elder 8011; NSC-71047; 2',4,8-Trimethylpsoralen; 2,5,9-Trimethyl-7H-furo(3,2-g)(1)benzopyran-7-one; 4,5',8-Trimethyl-psoralen; 4,5',8-Trimethylpsoralene; Trioxisaleno; Triox-salen; Trioxysalen; Trioxysalene; Trioxysalenum; Trisor-alen. Photosensitizer and pigmentation agent. Solid; mp = 234.5-235°; λ_m 250 295 335 nm (log ε 4.35, 3.99, 3.80 MeOH); slightly soluble in EtOH, $CHCl_3$; soluble in CH_2Cl_2; insoluble in H_2O. *ICN Pharm. Inc.*

3991 Triphenyl phosphate

115-86-6 9813 G H



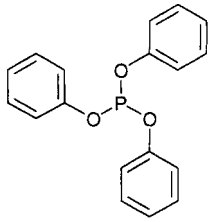
$C_8H_{15}O_4P$

Phosphoric acid, triphenyl ester.

4-06-00-00720 (Beilstein Handbook Reference); AI3-04491; BRN 1888236; CCRIS 4888; Celluflex TPP; Disflamoll TP; EINECS 204-112-2; HSDB 2536; Kronitex® TPP; NSC 57868; Phenyl phosphate ($(PhO)_3PO$); Phosflex TPP; Phosphoric acid, triphenyl ester; TP; TPP; Trifenylfosfat; Triphenoxyphosphine oxide; Triphenyl phosphate. Fire-retarding agent; noncombustible substitute for camphor in celluloid; plasticizer for cellulose acetate and nitrocellulose; in lacquers and varnishes; impregnating roofing paper. Flame retardant plasticizer for engineering resins, cellulosics. Prisms or needles; mp = 50.5°; bp_{11} = 245°; d^{50} = 1.2055; λ_m = 256, 262, 268 nm (ε = 955, 1175, 912, C_6H_{14}); insoluble in H_2O; soluble in EtOH; very soluble in Et_2O, C_6H_6, CCl_4, $CHCl_3$. *FMC Corp.; Monsanto Co.*

3992 Triphenyl phosphite

101-02-0 H



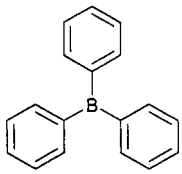
$C_{18}H_{15}O_3P$

Phosphorous acid, triphenyl ester.

4-06-00-00695 (Beilstein Handbook Reference); ADK Stab TPP; Advance TPP; AI3-07866; BRN 1079456; CCRIS 4890; Doverphos® 10; EFED; EINECS 202-908-4; HSDB 2571; JP 360; Mellite 310; NSC 43789; P 36 (stabilizer); Phenyl phosphite; Phenyl phosphite ($(C_6H_5O)_3P$); Phosclere T 36; Phosphorous acid, triphenyl ester; Stabilizer P 36; Sumilizer TPP-R; Sumilizer TTP-R; Syn-O-Ad® P-399; TP 1 (plasticizer); TPP (plasticizer); Trifenoxyfosfin; Trifenylfosfit; Triphenoxyphosphine; Triphenyl phosphite; Tris(phenoxy)phosphine; Weston® EGTPP; Weston® TPP. Antioxidant and antiwear agent in gear and transmission oils. Improves color stability in polyesters, polyurethanes, and alkyd resins; also aids curing and hardening in epoxies. Used as a chemical intermediate, stabilizer systems for resins, metal scavenger, diluent for epoxy resins, antioxidant and antiwear agent in gear and transmission oils. Often used with 0.5% w/w triisopropanolamine; reactive diluent for epoxy applications including adhesives, coatings, laminates, potting and soldering compounds, tooling; viscosity reducer. A stabilizer used in epoxies, hot-melt adhesives, PU, polyester, SBR, PP; in extrusion of PP, HDPE, LDPE, HIPS, PC, ABS, PVC, polyesters, in calendering of ABS, PVC; in film applications of PP, PE, PVC; fiber applications of PP, polyesters. Crystals; mp = 25°; bp = 360°; d^{20} = 1.1842; λ_m = 264 nm (MeOH); insoluble in H_2O, very soluble in EtOH, organic solvents. *Akzo Chemie; Dover; GE Silicones.*

3993 Triphenylborane

960-71-4 H



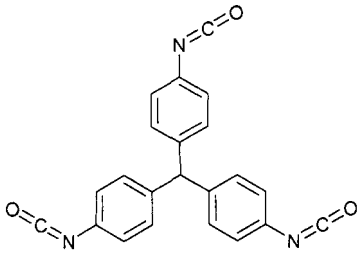
$C_{18}H_{15}B$

Triphenylborane.

AI3-60391; Borane, triphenyl-; Borine, triphenyl EINECS 213-504-2; Triphenylborane; Triphenylborine; Triphenyl-boron.

3994 Triphenylmethane triisocyanate

2422-91-5 G



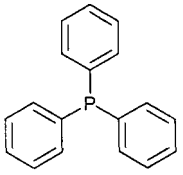
$C_{22}H_{13}N_3O_3$

Triphenylmethane-4,4',4-triisocyanate.

Benzene, 1,1',1''-methylidynetris(4-isocyanato-; Desmo-dur® RE; EINECS 219-351-8; Methylidynetri-p-phenylene triisocyanate; Triphenylmethane triisocyanate; Triphenyl-methane-4,4',4-triisocyanate. A room temperature cross-linking agent for adhesives based on Desmocoll and Baycoll polymers, natural rubber, and synthetic rubbers. Also used as a plasticizer. *BASF Corp.; Polysar.*

3995 Triphenylphosphine

603-35-0 9814 G H



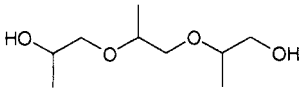
$C_{18}H_{15}P$

Triphenylphosphorus.

4-16-00-00951 (Beilstein Handbook Reference); BRN 0610776; CCRIS 4889; EINECS 210-036-0; HSDB 4266; NSC 10; NSC 215203; Phosphine, triphenyl-; PP 360; Trifenylfosfin; Triphenylphosphane; Triphenylphosphide; Triphenylphosphine; Triphenylphosphorus. Used in organic synthesis, in the manufacture of phosphonium salts and other phosphorus compounds, as a polymerization initiator. White solid; mp = 81°; bp > 360°; d_4^{25} = 1.194; insoluble in H_2O, soluble in organic solvents. *BASF Corp.; Elf Atochem N. Am.; Janssen Chimica; Morton Intn'l.*

3996 Tripropylene glycol

24800-44-0 G H



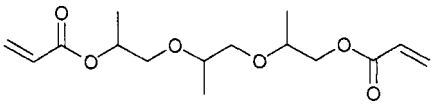
$C_9H_{20}O_4$

2-(2-(2-Hydroxypropoxy)propoxy)-1-propanol.

AI3-14657; BRN 2235421; EINECS 246-466-0; HSDB 2655; 2-(2-(2-Hydroxypropoxy)propoxy)-1-propanol; ((Methylethylene)bis(oxy))dipropanol; Propanol, ((1-methyl-1,2-ethanediyl)bis(oxy))bis-; Tripropylene glycol. Intermediate in resins, plasticizers, pharmaceuticals, insecticides, dyestuffs, and mold lubricants. *Union Carbide Corp.*

3997 Tripropylene glycol diacrylate

42978-66-5 H



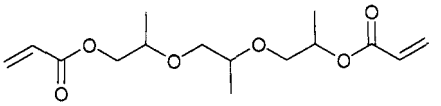
$C_{15}H_{24}O_6$

Acrylic acid, propylenebis(oxypropylene) ester.

Acrylic acid, propylenebis(oxypropylene) ester; EINECS 256-032-2; EINECS 272-647-9; (1-Methyl-1,2-ethane-diyl)bis(oxy(methyl-2,1-ethanediyl)) diacrylate; 2-Propen-oic acid, 1,3-propanediylbis(oxy-3,1-propanediyl) ester; 2-Propenoic acid, (1-methyl-1,2-ethanediyl)bis(oxy-(methyl-2,1-ethanediyl)) ester; Propane-1,3-diylbis(oxy-propane-1,3-diyl) diacrylate; Tripropylene glycol diacrylate. Mixture of isomers of propylene glycol.

3998 Tripropylene glycol diacrylate

68901-05-3 G



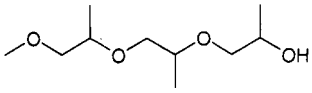
$C_{15}H_{24}O_6$

2-Propenoic acid, (1-methyl-1,2-ethanediyl)bis(oxy-(methyl-2,1-ethanediyl)) ester.

Acrylic acid, propylenebis(oxypropylene) ester; Ageflex TPGDA; EINECS 256-032-2; EINECS 272-647-9; (1-Methyl-1,2-ethanediyl)bis(oxy(methyl-2,1-ethanediyl)) diacrylate; PPG-3 diacrylate; Propane-1,3-diylbis(oxy-propane-1,3-diyl) diacrylate; 2-Propenoic acid, 1,3-propanediylbis(oxy-3,1-propanediyl) ester; 2-Propenoic acid, (1-methyl-1,2-ethanediyl)bis(oxy(methyl-2,1-ethanediyl)) ester; Tripropylene glycol diacrylate; TRPGDA. Crosslinking monomer for UV-curable inks/coatings, floor tiles, wood coatings and fillers, adhesives, textile finishes, and rubber compounds; thinner for radiation curing systems, inks, etc. Liquid; bp >120°; flash pt. >100°; d_{20}^{20} = 1.039; irritant. *CPS Chemical Co.*

3999 Tripropylene glycol methyl ether

20324-33-8 H



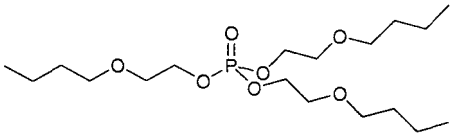
$C_{10}H_{22}O_4$

2-Propanol, 1-(2-(2-methoxy-1-methylethoxy)-1-methyl-ethoxy)-.

4-01-00-02475 (Beilstein Handbook Reference); BRN 1701854; Dowanol 62B; Dowanol TPM glycol ether; EINECS 243-734-9; 1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)propan-2-ol; 2-Propanol, 1-(2-(2-methoxy-1-methylethoxy)-1-methylethoxy)-; Propasol solvent TM; Tripropylene glycol methyl ether; Tripropylene glycol monomethyl ether.

4000 Tris(butoxyethyl) phosphate

78-51-3 G H



$C_{18}H_{39}O_7P$

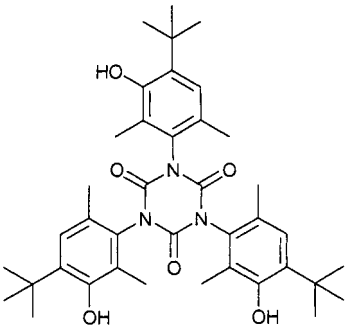
Tris(2-butoxyethyl) phosphate.

4-01-00-02422 (Beilstein Handbook Reference); AI3-04596; BRN

1716010; CCRIS 5942; EINECS 201-122-9; Ethanol, 2-butoxy-, phosphate (3:1); HSDB 2564; KP 140; Kronitex KP-140; NSC 4839; Phosflex T-bep; Phosphoric acid, tributoxyethyl ester; Phosphoric acid, tris(2-butoxyethyl) ester; TBEP; Tri(2-butoxyethanol) phosphate; Tributoxyethyl phosphate; Tri(2-butoxyethyl) phosphate; Tributyl cellosolve phosphate; Tris-(2-butoxyethyl)fosfat; Tris(butoxyethyl) phosphate. Surfactant and primary plasticizer for most resins and elastomers; floor finishes and waxes; flame-retarding agent; latex paints; as defoamer. Nonfoaming emulsifier, wetting agent, dispersant, leveling agent; acid and electrolyte stable. Plasticizer; leveling agent in floor polish formulations allowing uniform coverage, eliminates high and low spots in gloss, and preventing streaking, crazing, powder, and film contracting; flame retardant for plastics or synthetic rubber. Liquid; bp4 = 215-228°; d = 1.0060; LD_{50} (rat orl) ◘ 3000 mg/kg. *Akzo Chemie; Albright & Wilson Americas Inc.; FMC Corp.; Rhône Poulenc Surfactants; Rhône-Poulenc.*

4001 1,3,5-Tris((4-tert-butyl-3-hydroxy-2,6-xylyl)methyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione

40601-76-1 H

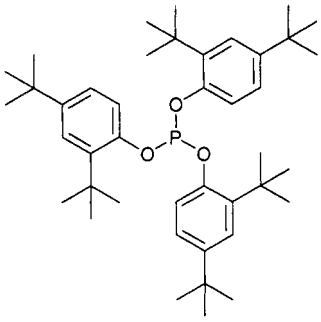


$C_{39}H_{51}N_3O_6$

EINECS 254-996-9; 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris((4-(1,1-dimethylethyl)-3-hydroxy-2,6-di-methylphenyl)methyl)-; 1,3,5-Tris((4-tert-butyl-3-hydroxy-2,6-xylyl)methyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione.

4002 Tris(2,4-di-tert-butylphenyl) phosphite

31570-04-4 G H



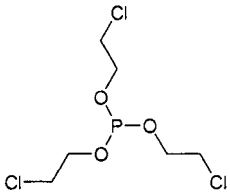
$C_{42}H_{63}O_3P$

Phenol, 2,4-bis(1,1-dimethylethyl)-, phosphite .

EINECS 250-709-6; Hostanox® PAR 24; Irgafos 168; Naugard® 524; Phenol, 2,4-bis(1,1-dimethylethyl)-, phosphite (3:1); Phenol, 2,4-di-tert-butyl-, phosphite (3:1); Tris(2,4-di-tert-butylphenyl) phosphite. Antioxidant used in thermoplastic and thermoset polymers (LLDPE, HDPE, PP) where color and processing stability are critical. *Hoechst Celanese; Uniroyal.*

4003 Tris(2-chloroethyl) phosphite

140-08-9 H



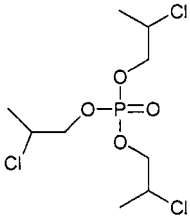
$C_6H_{12}Cl_3O_3P$

Phosphorous acid, tris(2-chloroethyl) ester.

4-01-00-01378 (Beilstein Handbook Reference); BRN 1704979; CCRIS 5949; EINECS 205-397-6; Ethanol, 2-chloro-, phosphite (3:1); HSDB 2584; NSC 6514; Phosphorous acid, tris(2-chloroethyl) ester; Tris(β-chloroethyl) phosphite; Tris(2-chloroethyl) phosphite . Liquid; bp3 = 120°; d^{26} ◘ 1.3443.

4004 Tris(2-chloropropyl) phosphate

6145-73-9 H



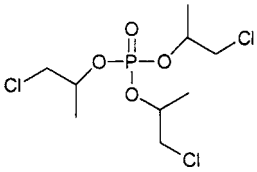
$C_9H_{18}Cl_3O_4P$

2-Chloro-1-propanol phosphate (3:1).

Antiblaze 80; AP 33; 2-Chloro-1-propanol phosphate (3:1); EINECS 228-150-4; Fyrol PCF; NSC 524664; 1-Propanol, 2-chloro-, phosphate (3:1); Tris(β-chloropropyl) phosphate; Tris(2-chloropropyl) phosphate. Flame retardant.

4005 Tris(1-chloro-2-propyl)phosphate

13674-84-5 H



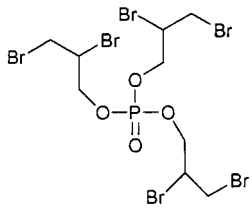
$C_9H_{18}Cl_3O_4P$

Phosphoric acid, tris(2-chloro-1-methylethyl) ester.

Amgard TMCP; BRN 1842347; CCRIS 6111; EINECS 237-158-7; Hostaflam OP 820; Phosphoric acid, tris(2-chloro-1-methylethyl) ester; 2-Propanol, 1-chloro-, phosphate (3:1); Tri-(2-chloroisopropyl)phosphate; Tris(1-chloro-2-propyl)phosphate; Tris(2-chloro-1-methylethyl) phos-phate. *ABIC.*

4006 Tris(2,3-dibromopropyl) phosphate

126-72-7 9821 G



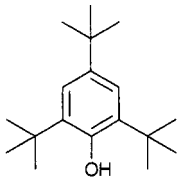
$C_9H_{15}Br_6O_4P$

1-Propanol, 2,3-dibromo-, phosphate.

3PBR; AI3-19170; Anfram 3PB; APEX 462-5; BRN 1915153; Bromkal P 67-6HP; CCRIS 614; 2,3-Dibromo-1-propanol phosphate; (2,3-Dibromopropyl) phosphate; EINECS 204-799-9; ES685; *Firemaster LV-T 23P*; FireMaster T 23; Firemaster T23P; Firemaster T23p-iv; Flacavon R; Flamex T 23P; Flammex AP; Flammex LV-T 23P; Flammex T 23P; Fyrol HB32; HSDB 2581; NCI-C03270; NSC 3240; Phoscon PE 60; Phoscon UF-S; Phosphoric acid, tris(2,3-dibromopropyl) ester; 1-Propanol, 2,3-dibromo-, phosphate (3:1); RCRA waste number U235; T 23P; TDBP; TDBPP; Tris-(2,3-dibrompropyl)fosfat; Tris (flame retardant); Tris-2,3-dibrompropyl ester kyseliny fosforecne; Tris-BP; TRIS; Tris(2,3-dibromo-1-propyl) phosphate; Tris(2,3-dibromo-propyl) phosphate; Tris(2,3-dibromopropyl) phosphoric acid ester; Tris(dibromopropyl)phosphate; Tris(dibromo-propyl) phosphate; USAF DO-41; Zetifex ZN; Zetofex ZN; FR-2406. A proprietary fire-retardant additive used in acrylics, epoxies, latices, phenolics, polyesters, polystyrenes, polyvinyl chloride, rayon celluloses and polyurethanes. Pale yellow viscous liquid; soluble in $CHCl_3$; LD_{50} (rat orl) = 2830 mg/kg. Dow; UK.

4007 Tris(1,1-dimethylethyl)phenol

732-26-3 H



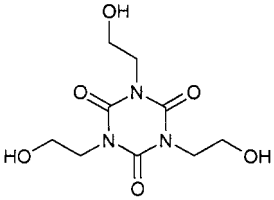
$C_{18}H_{30}O$

2,4,6-Tri-tert-butylphenol.

Alkofen B; 2,4,6-Tri-t-butylphenol; 2,4,6-Tri-tert-butyl-1-hydroxybenzene; 2,4,6-Tri-tert-butylphenol; CCRIS 5845; 2,4,6-Tris(1,1-dimethylethyl)phenol; EINECS 211-989-5; NSC 14459; P 23; Phenol, 2,4,6-tri-tert-butyl-; Phenol, 2,4,6-tris(1,1-dimethylethyl)-; TM02; Tris(1,1-dimethyl-ethyl)phenol; Voidox. Solid; mp = 131°; bp = 278°; d^{27} = 0.864; λ_m = 280 nm (cyclohexane); insoluble in H_2O, alkali, soluble in EtOH, Me_2CO, CCl_4.

4008 Tris(2-hydroxyethyl) isocyanurate

839-90-7 H



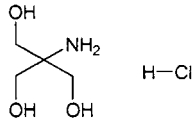
$C_9H_{15}N_3O_6$

Isocyanuric acid tris(2-hydroxyethyl) ester.

AI3-60291; CCRIS 6113; EINECS 212-660-9; HSDB 6135; Isocyanuric acid tris(2-hydroxyethyl) ester; NSC 11680; Theic; s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2-hydroxyethyl)-; Tris(β-hydroxyethyl) isocyanurate; Tris(2-hydroxyethyl)-1,3,5-triazinetrione; Tris(2-hydroxy-ethyl) isocyanurate; N,N',N''-Tris(2-hydroxyethyl) isocyanurate; Tris(2-hydroxyethyl)-s-triazine-2,4,6-trione; Tris(2-hydroxyethyl)cyanurate; Tris(hydroxyethyl) cyanur-ate; 1,3,5-Tris(2-hydroxyethyl) isocyanurate; 1,3,5-Tris(2-hydroxyethyl) isocyanuric acid; 1,3,5-Tris(2-hydroxy-ethyl)triazine-2,4,6-trione.

4009 Tris(hydroxymethyl) aminomethane hydrochloride

1185-53-1 G



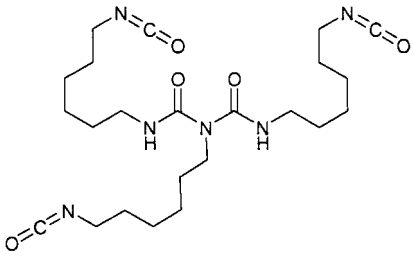
$C_4H_{12}ClNO_3$

Tris hydrochloride.

2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride; 2-Amino-2-hydroxymethyl-1,3-propane-diol hydrochloride; EINECS 214-684-5; 1,3-Propanediol, 2-amino-2-(hydroxymethyl)-, hydrochloride; Tris hydro-chloride; Tris hydrochloride buffer. A buffer used exten-sively in biochemical research. Crystals; mp = 150-152° (dec). *Am. Biorganics; Janssen Chimica; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

4010 Tris(isocyanatohexyl)biuret

4035-89-6 H



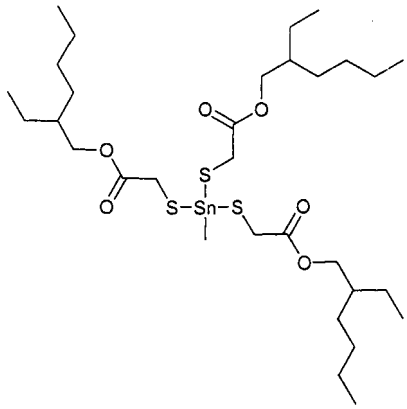
$C_{23}H_{38}N_6O_5$

N,N',2-Tris(6-isocyanatohexyl)-imidodicarbonic diamide.

BRN 2192715; EINECS 223-718-8; Hexamethylene diisocyanate biuret; Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-; Isocyanic acid, triester with 1,3,5-tris(6-hydroxyhexyl)biuret; N,N',2-Tris(6-isocyan-atohexyl)-imidodicarbonic diamide; Tris(6-isocyanato-hexyl) biuret; 1,3,5-Tris(6-isocyanatohexyl)biuret.

4011 Tris(isooctyl thioglycollate) methyl tin

57583-34-3 H



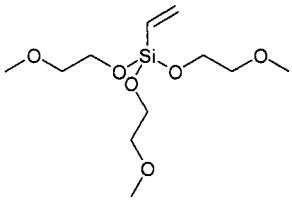
$C_{31}H_{60}O_6S_3Sn$

Methyltris(2-ethylhexyloxycarbonylmethylthio)stannane.

EINECS 260-828-5; Methyltris(2-ethylhexyloxycarbonylmethylthio)stannane; Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-; Tin, methyl-, tris(isooctyl thio-glycollate); Tris(isooctyl thioglycollate) methyl tin.

4012 Tris(2-methoxyethoxy)vinylsilane

1067-53-4 GH



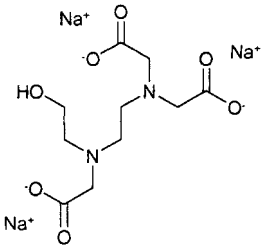
$C_{11}H_{24}O_6Si$

Vinyltris(2-methoxyethoxy)silane.

4-04-00-04257 (Beilstein Handbook Reference); A 172; Aktisil VM; BRN 1795316; CV-5000; EINECS 213-934-0; GF 58; NSC 78465; NUCA 172; Prosil 248; Q 174; SH 6030; Silane, tris(2-methoxyethoxy)vinyl-; Silicone A-172; Tris(2-methoxyethoxy)vinylsilane; Union Carbide® A-172; Z 6030. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. As a crosslinking agent provides gloss, hides power to coatings. Filler for peroxide-cured systems. Liquid; mp = -30°; bp ■ 285°; d = 1.0300; reacts with H_2O; LD_{50} (rat orl) = 2960 mg/kg. *Degussa-Hüls Corp.; Union Carbide Corp.*

4013 Trisodium (2-Hydroxyethyl)ethylenediaminetriacetate

139-89-9 10029 GP



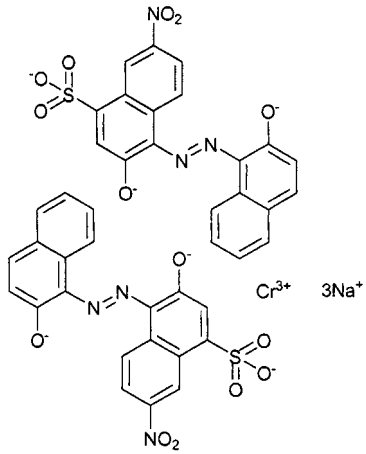
$C_{10}H_{18}N_2Na_3O_7$

Trisodium (2-Hydroxyethyl)ethylenediaminetriacetate.

Caswell No. 487C; Chel dm 41; Chemcolox 800; Detarol trisodium salt; EINECS 205-381-9; Emkasene 800; EPA Pesticide Chemical Code 039109; Hamp-ol 120; Hamp-ol crystals; HSDB 5628; Kalex OH; Monaquest ica-120; NSC 148338; Perma kleer 80; Trilon® D Liq; Trisodium (2-hydroxyethyl)ethylenediaminetriacetate; Trisodium HEDTA; Versen-01; Versen-ol; Versenol 120 . General purpose chelate for control of iron in pH range of 6.5-9.5, Ca, Mg; used in soaps, detergents, water treatment, metal finishing and plating, pulp and paper manufacturing, synthesis of polymers, photographic products, textiles, chemical cleaning. Chelating agent for sequestering calcium, magnesium, and ferric ions in solution, sequesters Ca, Mg, iron at pH 8.0-10.5. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Crystals; mp = 288-290° (dec). *BASF Corp.; Emkay; Fluka; Hart Prod.*

4014 Trisodium bis(3-hydroxy-4-((2-hydroxy-1-naphthyl)azo)-7-nitronaphthalene-1-sulphonato(3-))chromate(3-)

57693-14-8 H

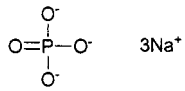


$C_{40}H_{14}CrN_6Na_3O_{14}S_2$

Chromate(3-), bis(3-hydroxy-4-((2-hydroxy-1-naphthal-eneyl)azo)-7-nitro-1-naphthalenesulfonato(3-))-, tri-sodium; EINECS 260-906-9; Trisodium bis(3-hydroxy-4-((2-hydroxy-1-naphthyl)azo)-7-nitronaphthalene-1-sulphonato(3-))chromate(3-).

4015 Trisodium phosphate

7601-54-9 8736 GP



Na_3O_4P

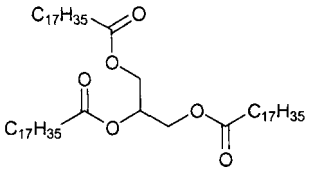
Sodium phosphate, tribasic, anhydrous.

Antisal 4; Caswell No. 898; CCRIS 7086; Dri-Tri; EINECS 231-509-8; Emulsiphos 440/660; EPA Pesticide Chemical Code 076406; HSDB 583; NSC 215202; Nutrifos STP; Oakite; Phosphoric acid, trisodium salt; Sodium orthophosphate; Sodium orthophosphate, tertiary; Sodium orthophosphate, tribasic; Sodium phosphate; Sodium phosphate (Na_3PO_4); Sodium phosphate, tribasic; Sodium tertiary phosphate; Tertiary sodium phosphate; Tribasic sodium orthophosphate; Tribasic sodium phosphate; Trinatriumphosphat; Trisodium orthophosphate; Tri-sodium phosphate; Tromete; TSP; TSP-O. Inorganic salt; For pH adjustment in food systems; cleaning compounds, water treatment, textiles. Water softening agent subject

to restrictions on phosphates and thus seeing diminishing use. Registered by EPA as an antimicrobial, fungicide and herbicide. Crystals; soluble in H_2O (0.29 g/ml), insoluble in organic solvents; LD_{50} (rat orl)= 7.40 g/kg. *Albright & Wilson Americas Inc.; Kemira Kemi UK; Monsanto Co.*

4016 Tristearin

555-43-1 9825 G



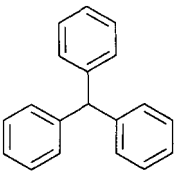
$C_{57}H_{110}O_6$

Glyceryl tristearate.

AI3-01633; Dynasan 118; EINECS 209-097-6; Glycerol, trioctadecanoate; Glycerol tristearate; Glycowax S 932; Hardened oil; HSDB 5690; Kemester® 5500; Kemester® 6000; Neobee® 62; Octadecanoic acid, 1,2,3-propanetriyl ester; 1,2,3-Propanetriol trioctadecanoate; Spezialfett 118; Stearic acid triglyceride; Stearic acid triglycerin ester; Stearic triglyceride; Stearin; Stearin, tri-; Stearoyl triglyceride; Trioctadecanoin; Tristearin. Emollient, emulsifier; stabilizer, plasticizer, lubricant for cosmetic, paper, textile, and industrial uses. Cosmetic and industrial emulsifier and plasticizer for elastomers. Industrial lubricant; cosmetic emollient. Solubilizer, stabilizer used in food applications. Used to make candles. Solid; mp about 55°; d^{80} = 0.8559; insoluble in H_2O, EtOH, ligroin, petroleum ether, slightly soluble in C_6H_6, CCl_4, soluble in Me_2CO, $CHCl_3$, CS_2. *CK Witco Corp.; Stepan; Witco/Humko.*

4017 Tritane

519-73-3 9812 G



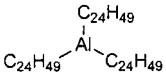
$C_{19}H_{16}$

Triphenylmethane.

AI3-02337; Benzene, 1,1',1"-methylidynetris-; CCRIS 5194; EINECS 208-275-0; Methane, triphenyl-; NSC 4049; Triphenylmethane; Tritane. Used as a dye. Solid; mp = 93°; bp = 360°; d_4^{100} = 1.0134; insoluble in H_2O, soluble in organic solvents.

4018 Tritetracosylaluminum

6651-26-9 H



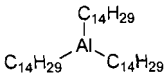
$C_{72}H_{147}Al$

Tri(tetracosyl)aluminum.

Aluminum, tritetracosyl-; EINECS 229-673-0; Tritetracosylaluminium.

4019 Tritetradecylaluminum

1529-58-4 H



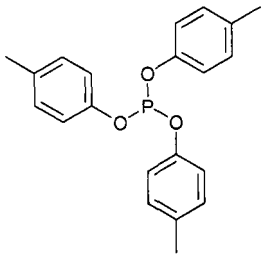
$C_{42}H_{87}Al$

Aluminum, tris(tetradecyl)-.

Aluminum, tris(tetradecyl)-; Aluminum, tritetradecyl-; EINECS 216-218-6; HSDB 5836; Tri(tetradecyl) aluminum; Tris(tetradecyl)aluminum; Tritetradecyl-aluminum; Tritetradecylaluminium.

4020 Tritolyl phosphite

25586-42-9 H



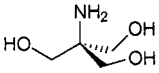
$C_{21}H_{21}O_3P$

Phosphorous acid, tris(methylphenyl) ester.

EINECS 247-119-6; Phosphorous acid, tris(methylphenyl) ester; Phosphorous acid, tritolyl ester; Tris(methylphenyl) phosphite; Tritolyl phosphite.

4021 Tromethamine

77-86-1 9842 H



$C_4H_{11}NO_3$

1,1,1-Tris(hydroxymethyl)methanamine .

Addex-tham; AI3-03948; Aminotrimethylolmethane; Aminotris(hydroxymethyl)methane; Apiroserum Tham; Caswell No. 036; EINECS 201-064-4; EPA Pesticide Chemical Code 083901; HSDB 3408; Methanamine, 1,1,1-tris(hydroxymethyl)-; NSC 6365; Pehanorm; Talatrol; Tham; THAM; THAM-E; Trimethylolaminomethane; Tris; Tris (buffering agent); Tris-base; Tris buffer; Tris, free base; Tris-hydroxymethyl-aminomethan; Tris-hydroxymethylaminomethane; Tris-steril; Tris(hydroxymethyl)aminomethane; Tris(hydroxymethyl)methylamine; Tris(hydroxymethyl)methanamine; Trisamine; Trisaminol; Trispuffer; Trizma; Trometamol; Trometamolum; Tro-methamine; Tromethamolum; Tromethane; Tutofusin tris. Pigment dispersant, neutralizing amine, corrosion inhibitor, acid-salt catalyst, pH buffer, chemical and pharmaceutical intermediate, solubilizer. Emulsifying agent for oils, fats, waxes; absorbent for acidic gases, medicine; chemical intermediate. Used medically as an alkalizer. Solid; mp = 171.5°; bp_{10} = 219-220°; soluble in H_2O and organic solvents. *Abbott Labs Inc.; Dajac Labs.; Grace W.R. & Co.; Heico; Janssen Chimica; Sigma-Aldrich Fine Chem.; Whittaker Clark & Daniels.*

4022 Tungsten

7440-33-7 9884 G

W

W

Tungsten.

EINECS 231-143-9; HSDB 5036; Tungsten; Tungsten, elemental;

VA (tungsten); Wolfram. Metallic element; high-speed tool steel, alloys, filaments for electric light bulbs, contact points, x-ray and electron tubes, welding electrodes, heating elements, rocket nozzles, sheet steel, chemical apparatus, high-speed rotors, solar energy devices. mp = 3410°; bp = 5660°; d_4^{20} = 18.7-19.3; LD_{50} (rat ip) = 5 g/kg. *Atomergic Chemetals; Cerac; Noah Chem.; Sigma-Aldrich Fine Chem.*

4023 Tungsten hexafluoride

7783-82-6 9885 G

F_6W

Tungsten (VI) fluoride.

EINECS 232-029-1; Tungsten fluoride; Tungsten fluoride (WF_6); Tungsten hexafluoride; UN2196. Used in vapor-phase deposition of tungsten, as a fluorinating agent. Gas; mp= 2°; bp = 17°; d^{15} = 3.441. *Air Products & Chemicals Inc.; Akzo Chemie; Atomergic Chemetals; Elf Atochem N. Am.*

4024 Tungsten trioxide

1314-35-8 9886 G

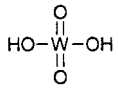
O_3W

Tungsten(VI) oxide.

C.I. 77901; EINECS 215-231-4; HSDB 5800; Tungsten Blue; Tungsten oxide; Tungsten oxide (WO_3); Tungsten trioxide; Tungstic acid; Tungstic acid anhydride; Tungstic anhydride; Tungstic oxide; Wolframic acid, anhydride . Forms metals by reduction, alloys, preparation of tungstates for xray screens, fireproofing fabrics, yellow pigment in ceramics. Yellow powder; insoluble in H_2O, slightly soluble in alkali, soluble in acids. *Atomergic Chemetals; Cerac; Climax Molybdenum Co.*

4025 Tungstic acid

7783-03-1 9887 G



H_2O_4W

Tungstic(VI) acid.

Dihydrogen wolframate; EINECS 231-975-2; Ortho-tungstic acid; Tungstate (WO_4^{2-}), dihydrogen, (β-4)-; Tungstic acid (H_2WO_4); Tungstic(VI) acid. Used in textiles as a mordant and color resist, plastics, tungsten metal, wire, etc. Poorly soluble in H_2O. *Am. Intl. Chem.; Atomergic Chemetals; Noah Chem.*

4026 Turpentine

9005-90-7 9894 H

Skipidar.

EINECS 232-688-5; FEMA No. 3088; Galipot; Gum thus; Gum turpentine; petropine; Pine gum; Pine resin; Skipidar; Turpentine; Turpentine gum (Pinus spp.); Turpentine gum-1. Used as an insecticide, solvent for waxes, in polishes. Yellow gum; insoluble in H_2O, soluble in $CHCl_3$, Et_2O, AcOH.

4027 Turpentine oil

8006-64-2 H

$C_{10}H_{16}$

Turpentine Oil.

Caswell No. 900; EINECS 232-350-7; EPA Pesticide Chemical Code 084501; FEMA No. 3089; Gum spirits of turpentine; Gum turpentine; HSDB 204; Oil of turpentine, rectified; Oil of turpentine; Oil of turpentine, distillation residue; Purified gum spirits; Purified turpentine; Rectified turpentine; Spirit of turpentine; Spirits of turpentine; Sulfate turpentine; Terebenthine; Terpentin oel; Terpentine; Turpentine; Turpentine oil, rectified; Turpentine spirits; Turpentine, steam-distilled (Pinus spp.); Turpentine steam distilled; Turpentine substitute [Flammable liquid]; Turpentine [Flammable liquid]; UN1299; UN1300; Wood turpentine. FDA approved for inhalants, BP compliance. Used as a solvent, rubifacient, diuretic, used in inhalants, liniments and in preparations for respiratory tract disorders. Colorless liquid; insoluble in H_2O; d^{15} = 0.860 - 0.875. TLV = 100 ppm in air. *Spectrum Chem. Manufacturing.*

4028 Turpeth mineral

1312-03-4 G

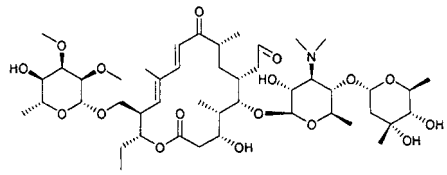
$HgSO_4 \cdot 2H_2O$

Mercuric subsulfate.

Basic mercuric sulfate; EINECS 215-191-8; HSDB 1188; Mercuric basic sulfate; Mercuric subsulfate; Mercury oxide sulfate; Mercury oxide sulfate ($Hg_3O_2(SO_4)$); Mercury oxonium sulfate; Mercury sulfate, basic; Queen's yellow; Trimercury dioxide sulphate; Turpeth mineral. Mercuric subsulfate, a yellow basic sulfate of mercury. Solid; insoluble in H_2O.

4029 Tylosin

1401-69-0 9900 G V



$C_{46}H_{77}NO_{17}$

Tylosine.

AI3-29799; EINECS 215-754-8; Fradizine; HSDB 7022; Tilosina; Tylan; Tylocine; Tylosin; Tylosin A; Tylosine; Tylosinum; Vubityl 200. A veterinary antibiotic derived from an actinomycete resembling *Streptomyces fradioe* . White powder; mp = 128-132°; $[\alpha]_D^{25}$ = -46° (c = 2 MeOH); λ_m = 282 nm ($E^{1\%}_{1cm}$ 245); soluble in H_2O (0.5 g/100 ml), more soluble in organic solvents. *ADM Animal Health & Nutrition Divn.; Boehring-Ingelheim Veterinary; Elanco Animal Health.*

4030 Tyloxapol

25301-02-4 9901 D G

$C_8H_{11}NO$

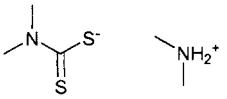
p-(1,1,3,3-Tetramethylbutyl)phenol polymer with ethyl-ene oxide and formaldehyde.

Alevaire; Enuclene; Exosurf; Formaldehyde, polymer with oxirane and 4-(1,1,3,3-tetramethylbutyl)phenol; Macro-cyclon; NSC 90255; Oxyethylated tertiary octyl-phenol-formaldehyde polymer; p-Isooctylpolyoxyethylenephenol formaldehyde polymer; Phenol, 4-(1,1,3,3-tetramethyl-butyl)-, polymer with formaldehyde and oxirane; Phenol, p-(1,1,3,3-tetramethylbutyl)-, polymer with ethylene oxide and formaldehyde; Superinone; 4-(1,1,3,3-Tetramethylbutyl)phenol, polymer with formaldehyde & oxirane; p-(1,1,3.3-Tetramethylbutyl)phenol polymer with ethylene oxide and formaldehyde; Tiloxapol; Triton A-20; Triton W.R.1339; Triton WR

1339; Tyloxapol; Tyloxapol-um; Tyloxypal. A nonionic detergent with surface-tens-ion-reducing properties, used in pulmonary surfactants. Used as a mucolytic. Freely soluble in H_2O; soluble in C_6H_6; C_7H_8, $CHCl_3$, CCl_4, CS_2, AcOH. *Alcon Labs; Glaxo Wellcome Inc.; Rohm & Haas Co.; Sterling Winthrop Inc.*

4031 Ultra-DMC

598-64-1 G



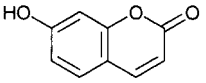
$C_5H_{14}N_2S_2$

Dimethylamine dimethyldithiocarbamate.

AI3-62285; Carbamic acid, dimethyldithio-, dimethyl-amine salt (1:1); Carbamodithioic acid, dimethyl-, compound with N-methylmethanamine; Dimethyl dithiocarbamate dimethylammonium salt; Dimethylamine dimethyldithiocarbamate; Dimethylammonium dimethyl-dithiocarbamate; Dimethyldithiocarbamic acid compd. with dimethylamine (1:1); Dimethyldithiocarbamic acid dimethyl amine salt; Dimethyldithiocarbamic acid dimethylamine salt; Dimethyldithiocarbamic acid dimethylammonium salt; EINECS 209-945-5; NSC 100885; NSC 6205. A vulcanization accelerator.

4032 Umbelliferone

93-35-6 9915 G



$C_9H_6O_3$

7-hydroxy-2H-1-benzopyran-2-one.

5-18-01-00386 (Beilstein Handbook Reference); AI3-38054; BRN 0127683; CCRIS 3591; Coumarin, 7-hydroxy-; EINECS 202-240-3; 7 HC; Hydrangin; Hydr-angine; 7-Hydroxycoumarin; NSC 19790; 7-Oxycoum-arin; Skimmetin; Skimmetine; Umbelliferon; Umbellif-erone. Aglucon of skimmin, obtained by distillation of *umbelliferae* resins. Formed by metabolism in coumarin in humans. Used in sunscreens and as medical reagent. Needles; mp = 230.5°; d^{25} = 1.25; λ_m = 216, 254, 324 nm (ε = 10000, 2030, 14600, MeOH); soluble in H_2O (10 g/l); more soluble in organic solvents. *Caledon Laboratories Limited; Dr. Ehrenstorfer GmbH; Penn Bio-organics, Inc.; Showa Denko.*

4033 Undecane

1120-21-4 H

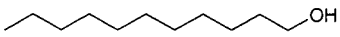
$C_{11}H_{24}$

n-Undecane.

4-01-00-00487 (Beilstein Handbook Reference); AI3-21126; BRN 1697099; CCRIS 3796; EINECS 214-300-6; Hendecane; HSDB 5791; NSC 66159; UN2330; Undecane; n-Undecane. Liquid; mp = -25.6°; bp = 195.9°; d^{20} = 0.7402; insoluble in H_2O, freely soluble in EtOH, Et_2O.

4034 Undecanol

30207-98-8 H



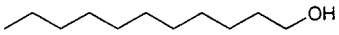
$C_{11}H_{24}O$

n-Undecanol.

EINECS 250-092-3; HSDB 5175; Undecanol.

4035 Undecyl alcohol

112-42-5 G H



$C_{11}H_{24}O$

1-Undecyl alcohol.

4-01-00-01835 (Beilstein Handbook Reference); AI3-00330; Alcohol C_{11}; Alcohol, undecyl; BRN 1698334; C_{11} alcohol; Decyl carbinol; EINECS 203-970-5; Fatty alcohol(C_{11}); FEMA No. 3097; Hendecanoic alcohol; 1-Hendecanol; Hendecyl alcohol; n-Hendecylenic alcohol; HSDB 1089; Neodol® 1; Neodol® 11; NSC 403667; Tip-Nip; Undecanol; 1-Undecanol; Undecyl alcohol; 1-Undecyl alcohol. Intermediate in manufacture of detergents. Solid; mp = 19°; bp = 243°; d^{20} = 0.8298; insoluble in H_2O, soluble in EtOH, very soluble in Et_2O. *Shell.*

4036 Undecyl dodecyl phthalate

68515-47-9 G

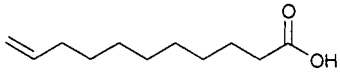
$C_{34}H_{58}O_4$

1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich.

1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich; EINECS 271-089-3; Jayflex® UDP. Plasticizer Liquid; d = 0.959; pour point = -40°; flash point = 437°F (TCC). *Exxon.*

4037 Undecylenic acid

112-38-9 9916 G



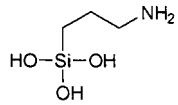
$C_{11}H_{20}O_2$

Undecenoic acid.

4-02-00-01612 (Beilstein Handbook Reference); AI3-02065; BRN 1762631; Caswell No. 901; Declid; Desenex; Desenex solution; EINECS 203-965-8; EPA Pesticide Chemical Code 085501; FEMA No. 3247; Fulvidex (Veterinary); Hendecenoic acid, omega-; 10-Hendecenoic acid; Kyselina 9-decen-1-karboxylova; Kyselina undecylenova; Mixture Name; NSC 2013; Renselin; Sevinon; Undecenoic acid; Undecenoic acid, ω-; 10-Undecenoic acid; Undecylenic acid; Undecyl-10-enic acid; 9-Undecylenic acid . Used in perfumery, flavoring, plastics, modifying agent, medicine (antifungal agent); intermediate in chemical synthesis, polyamide plastics and fibers, synthetic floors. Crystals; mp = 24.5°; bp = 275° (dec); d^{24} = 0.9072; insoluble in H_2O, slightly soluble in CCl_4, soluble in EtOH, $CHCl_3$, Et_2O; LD_{50} (mus orl) = 8.15 g/kg. *CasChem; Elf Atochem N. Am.; Lancaster Synthesis Co.*

4038 Union Carbide® A-1106

58160-99-9 G



$C_3H_{11}NO_3Si$

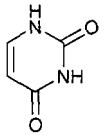
Silanetriol, (3-aminopropyl)-.

(3-Aminopropyl)silanetriol; EINECS 261-145-5; Silane-triol, (3-aminopropyl)-. Aminoalkyl silicone solution; finish for woven fiberglass; coupling *agent for glass fiber sizes*; filler treatments; additive to water-soluble/dispersion resins include vinyl and acrylic

latex, epoxies, and phenolic binder dispersions. Used for coatings, adhesives. *Union Carbide Corp.*

4039 Uracil

66-22-8 9918 G



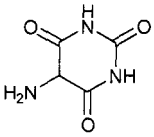
$C_4H_4N_2O_2$

2,4-Pyrimidinedione.

AI3-25470; BMS 205603-01; 2,4-Dihydroxypyrimidine; 2,4-Dioxopyrimidine; CCRIS 3077; EINECS 200-621-9; Hybar X; NSC 3970; Pirod; 2,4-Pyrimidinediol; 2,4(1H,3H)-Pyrimidinedione; Pyrod; RU 12709; SQ 6201; SQ 7726; SQ 8493; Ura; Uracil. Biochemical research. Solid; mp = 338°; λ_m = 202.5, 259.5 (ε 9200, 8200, pH 7), 283 (0.01N NaOH); soluble in H_2O, insoluble in organic solvents. *PCR; Penta Mfg.; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.; U.S. BioChem.*

4040 Uramil

118-78-5 9920 G



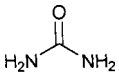
$C_4H_5N_3O_3$

5-amino-2,4,6(1H,3H,5H)-pyrimidinetrione.

AI3-52683; 5-Amino-2,4,6-pyrimidinetriol; 5-Amino-barbituric acid; Barbituric acid, 5-amino-; Dialuramide; EINECS 204-277-0; Murexan; NSC 264287; 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-amino-; Uramil. mp > 400°; soluble in H_2O, $CHCl_3$, conc. H_2SO_4; insoluble in Et_2O, C_6H_6.

4041 Urea

57-13-6 9935 H P



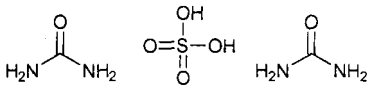
CH_4N_2O

Carbonyl diamine.

AI3-01202; Alphadrate; Aqua Care; Aquadrate; B-I-K; Calmurid; Carbaderm; Carbamide; Carbamide resin; Carbamimidic acid; Carbonyl diamide; Carbonyldiamine; Caswell No. 902; CCRIS 989; EINECS 200-315-5; EPA Pesticide Chemical Code 085702; Harnstoff; HSDB 163; Isourea; Keratinamin; Mocovina; NCI-C02119; NSC 34375; Nutraplus; Panafil; Pastaron; Pre-spersion, 75 urea; Pseudourea; Supercel 3000; Ultra Mide; UR; Urea; Urea-13C; Urea ammonium nitrate solution; Urea solution; Ureacin-10 lotion; Ureacin-20; Ureacin-40 Creme; Ureaphil; Ureophil; Urepearl; Urevert; Varioform II. Registered by EPA as an antimicrobial and disinfectant. FDA GRAS, approved for injectables, orals, BP, Ph.Eur. compliance. Used as a diuretic, antiseptic, keratin softener for dry skin products, in ammoniated dentrifices, in injectables and orals. Used as a nitrogen fertilizer. Crystals; mp = 132.7°; soluble in H_2O (0.1 g/100 ml), EtOH (5 g/100 ml), MeOH (16 g/100 ml); insoluble in $CHCl_3$, Et_2O. LD_{50} (rat orl) = 14,300 mg/kg. *Air Prods & Chems; Bio-Rad Labs.; Chisso Corp.; Elf Atochem N. Am.; EM Ind. Inc.; Entek Corp.; Heico; Mallinckrodt Inc.; Mitsui Toatsu; Nissan Chem. Ind.; Norsk Hydro AS; Occidental Chem. Corp.; Ruger; Showa Denko; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Tech Chems. & Prods.*

4042 Urea sulfate

17103-31-0 H



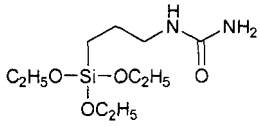
$C_2H_{10}N_4O_6S$

Dicarbamide dihydrogensulfate.

Dicarbamide dihydrogensulfate; Diuronium sulphate; EINECS 241-175-5; Urea, sulfate (2:1).

4043 Ureidopropyltriethoxysilane

23779-32-0 G



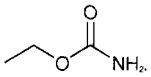
$C_{10}H_{24}N_2O_4Si$

N-(Triethoxysilylpropyl) urea.

CT2507; Dynasylan 2201; EINECS 245-876-7; N-(Triethoxysilylpropyl)urea; (3-(Triethoxysilyl)propyl)urea; Urea, (3-(triethoxysilyl)propyl)-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

4044 Urethane

51-79-6 9942 G



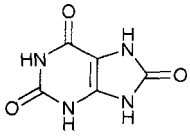
$C_3H_7NO_2$

Carbamic acid ethyl ester.

A 11032; Aethylcarbamat; Äthylcarbamat; Aethylurethan; Äthylurethan; AI3-00553; Carbamic acid, ethyl ester; Carbamidsaeure-aethylester; Carbamidsäure-ähylester; CCRIS 619; EINECS 200-123-1; Estane 5703; Ethyl carbamate; Ethyl urethan; Ethyl urethane; O-Ethylurethane; Ethylcarbamate; Ethylester kyseliny karbaminove; Ethylurethan; Ethylurethane; HSDB 2555; Leucethane; NSC 746; Pracarbamin; Pracarbamine; RCRA waste number U238; U-Compound; Uretan etylowy; Uretano; Urethan; Urethane; Urethanum; X 41. Used as an intermediate for pharmaceuticals and pesticides; in biochemical research and medicine. Crystals; mp = 48-50°; soluble in H_2O (2 g/ml), less soluble in organic solvents; MLD (mus ip) = 2.1 g/kg. *Agro-Kanesho; Hokko; Ihara; Shinung.*

4045 Uric acid

69-93-2 9943 G



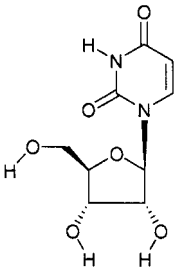
$C_5H_4N_4O_3$

Purine-2,6,8(1H,3H,9H)-trione.

AI3-15432; 7,9-Dihydro-1H-purine-2,6,8(3H)-trione; EINECS 200-720-7; Lithic acid; NSC 3975; 1H-Purine-2,6,8-triol; Purine-2,6,8(1H,3H,9H)-trione; 1H-Purine-2,6,8(3H)-trione, 7,9-dihydro-; 2,6,8-Trihydroxypurine; 2,6,8-Trioxopurine; Uric acid. Used in organic synthesis. Solid; d^{25} ■ 1.89; λ_m = 286 nm (MeOH); poorly soluble in H_2O, organic solvents. *Burlington Biomedical; ICI Spec.; Spectrum Chem. Manufacturing.*

4046 Uridine

58-96-8 9945 D G



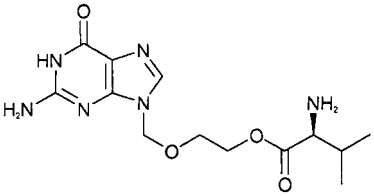
$C_9H_{12}N_2O_6$

1-β-D-ribofuranosyluracil.

AI3-52690; EINECS 200-407-5; NSC 20256; 1-β-D-Ribofuranosyluracil; Uracil-1-β-D-ribofuranoside; Uracil, 1-β-D-ribofuranosyl-; D-Ribosyl uracil; Uracil riboside; Urd; Uridin; Uridine. Used in biochemical research. Crystalline solid; mp = 165°; $[\alpha]_D^{25}$ = 4° (c = 2); λ_m = 261, 205 nm (ε 10100, 9800); soluble in H_2O. *Am. Biorganics; Greeff R.W. & Co.; Penta Mfg.; Sigma-Aldrich Fine Chem.*

4047 Valacyclovir

124832-26-4 9966 D



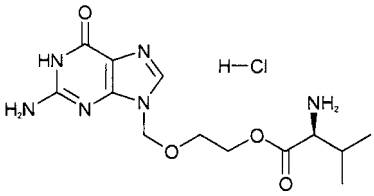
$C_{17}H_{21}NO_3$

2-[(2-Amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy ethyl ester of L-valine.

256U87; Valaciclovir; ValACV; Valacyclovir. Antiviral agent. Prodrug of acyclovir. *Glaxo Wellcome Inc.*

4048 Valacyclovir hydrochloride

124832-27-5 9966 D



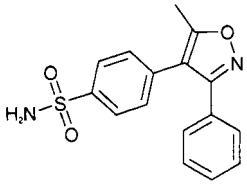
$C_{17}H_{22}ClNO_3$

2-[(2-Amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy ethyl ester of L-valine monohydrochloride.

256U; 256U87 hydrochloride; BW-256; BW-256U87; DRG-0119; Valacyclovir hydrochloride; Valtrex. Antiviral agent. Crystals; λ_m = 252.8 nm (ε 8250, H_2O); soluble in H_2O (17.4 g/100 ml). *Glaxo Wellcome Inc.*

4049 Valdecoxib

181695-72-7 D



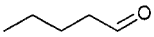
$C_{16}H_{14}N_2O_3S$

4-(5-Methyl-3-phenyl-4-isoxazolyl)-benzenesulfonamide .

Benzenesulfonamide, 4-(5-methyl-3-phenyl-4-isoxazolyl)-; Bextra; SC 65872; Valdecoxib. USP 6,090,834 (18 July, 2000) to G. D. Searle. FDA-approved 16 November, 2001 for the relief of the signs and symptoms of osteoarthritis and adult rheumatoid arthritis. *G.D. Searle & Co.*

4050 Valeraldehyde

110-62-3 9968 H



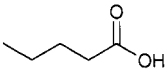
$C_5H_{10}O$

n-Pentyl aldehyde.

4-01-00-03268 (Beilstein Handbook Reference); AI3-16105; Amyl aldehyde; BRN 1616304; Butyl formal; CCRIS 3220; EINECS 203-784-4; FEMA Number 3098; HSDB 851; NSC 35404; Pentanal; n-Pentanal; Pentyl aldehyde; UN2058; Valeral; Valeraldehyde; n-Valeraldehyde; Valerianic aldehyde; Valeric acid aldehyde; Valeric aldehyde; n-Valeric aldehyde; Valeryl aldehyde; Valerylaldehyde. Liquid; mp = -91.5°; bp ■ 103°; d^{20} = 0.8095; λ_m = 178, 182, 184 nm (gas); slightly soluble in H_2O, soluble in EtOH, Et_2O.

4051 Valeric acid

109-52-4 9970 G H



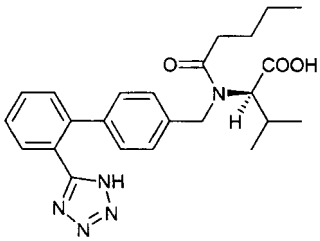
$C_5H_{10}O_2$

Butanecarboxylic acid.

4-02-00-00868 (Beilstein Handbook Reference); AI3-08657; BRN 0969454; Butanecarboxylic acid; 1-Butanecarboxylic acid; EINECS 203-677-2; FEMA No. 3101; HSDB 5390; Kyselina valerova; NSC 406833; Pentanoic acid; n-Pentanoic acid; *Propylacetic acid;* Valerianic acid; Valeric acid; n-Valeric acid. Intermediate for flavors and perfumes, ester-type lubricants, plasticizers, pharmaceuticals, and vinyl stabilizers. Crystals; mp = -34°; bp ■ 186.1°; d^{20} = 0.9391; soluble in H_2O, EtOH, Et_2O, CCl_4. *BASF Corp.; Sigma-Aldrich Fine Chem.; Union Carbide Corp.*

4052 Valsartan

137862-53-4 9982 D



$C_{24}H_{29}N_5O_3$

N-[p-(o-1H-Tetrazol-5-ylphenyl)benzyl]-N-valeryl-L-valine.

CGP-48933; Diovan; Valsartan. A non-peptide angioten-sin II AT_1-receptor antagonist. Used as an anti-hypertensive agent. Crystals; mp = 116-117°. *Ciba-Geigy Corp.*

4053 Vanadium

7440-62-2 9984 G

V

V

Vanadium.

EINECS 231-171-1; HSDB 1022; Vanadium; Vanadium (fume or dust); Vanadium dust; Vanadium, elemental. Metallic element; target material for x-rays, manufacture of alloy steels. Metal; mp = 1917°; $d^{18.7}$ = 6.11. *Atomergic Chemetals; Cerac; Noah Chem.*

4054 Vanadium oxychloride

10213-09-9 9991 G

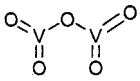
Cl_2OV

Vanadium oxydichloride.

AI3-52349; Dichlorooxovanadium; EINECS 233-517-7; NSC 79526; Vanadium chloride oxide; Vanadium dichloride oxide; Vanadium, dichlorooxo-; Vanadium oxychloride; Vanadyl chloride; Vanadyl dichloride. Strong reducing agent, used in purification of hydrogen chloride from arsenic and as a mordant in printing fabrics. Green crystals; d = 2.88; disproportionates at 384°; soluble in EtOH, AcOH, decomposes with H_2O. *Atomergic Chemetals; Noah Chem.*

4055 Vanadium pentoxide

1314-62-1 9987 G



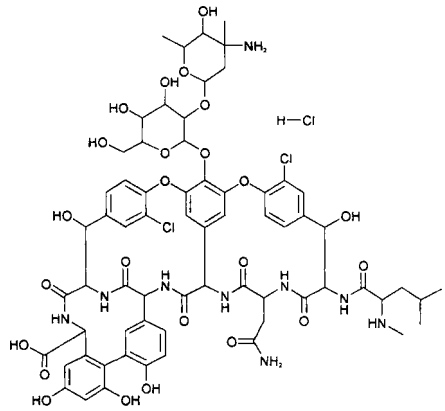
V_2O_5

Vanadium (V) oxide.

AI3-52159; Anhydride vanadique; C.I. 77938; CCRIS 3206; CI 77938; Divanadium pentaoxide; Divanadium pentoxide; EINECS 215-239-8; HSDB 1024; KM Vanadium Pentoxide; RCRA waste number P120; UN2862; Vanadic acid anhydride; Vanadic anhydride; Vanadin(V) oxide; Vanadio, pentossido di; Vanadium oxide; Vanadium oxide (V_2O_5); Vanadium pentaoxide; Vanadium pentoxide; Vanadium, pentoxyde de; Vanadiumpentoxid; Vanadiumpentoxyde; Wanadu pieciotlenek. Catalyst for oxidation of sulfur dioxide in sulfuric acid manufacture, ferrovanadium, catalyst for organic reactions, ceramic coloring material, vanadium salts, inhibiting UV transmission in glass, photographic developer, textile dyeing. Yellow-brown crystals; mp = 690°; d = 3.35; soluble in H_2O (0.8 g/100 ml), acids, alkalis. *Atomergic Chemetals; Cerac; Kerr-McGee; Sigma-Aldrich Fine Chem.*

4056 Vancocin hydrochloride

1404-93-9 9995 D G



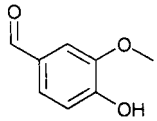
$C_{66}H_{76}Cl_3N_9O_{24}$

Vancomycin hydrochloride.

Lyphocin; Vancor. Peptide antibiotic. Antibacterial agent. White solid; λ_m 282 nm ($E^{1\%}_{cm}$ 40 H_2O); soluble in H_2O (> 10 g/100 ml); moderately soluble in dilute MeOH; less soluble in higher alcohols, Me_2CO, Et_2O; LD_{50} (mus iv) = 489 mg/kg, (mus ip) = 1734 mg/kg, (mus sc, orl) = 5000 mg/kg. *Eli Lilly & Co.*

4057 Vanillin

121-33-5 9998 G H



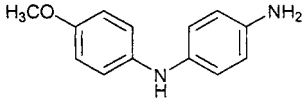
$C_8H_8O_3$

p-Hydroxy-m-methoxybenzaldehyde.

4-08-00-01763 (Beilstein Handbook Reference); AI3-00093; Benzaldehyde, 4-hydroxy-3-methoxy-; BRN 0472792; CCRIS 2687; EINECS 204-465-2; FEMA No. 3107; HSDB 1027; 4-Hydroxy-3-methoxybenzaldehyde; 4-Hydroxy-m-anisaldehyde; Lioxin; Methylprotocatechu-ic aldehyde; NSC 15351; Protocatechualdehyde 3-methyl ether; Protocatechualdehyde, methyl-; Vanilla; Vanill-aldehyde; Vanillic aldehyde; Vanillin; Vanilline; Zimco. Used in perfumes, flavorings and pharmaceuticals, as a lab reagent, source of L-dopa. Pharmaceutic aid (flavor). Tetragonal crystals; mp = 81.5°; bp = 285°; d^{25} = 1.056; λ_m = 208, 232, 279, 309 nm (ε = 12023, 14454, 10233, 10471, EtOH); slightly soluble in H_2O, soluble in C_6H_6, ligroin, very soluble in EtOH, Et_2O, Me_2O, $CHCl_3$, CS_2; LD_{50} (rat orl)= 1580 mg/kg. *Lancaster Synthesis Co.; Penta Mfg.; Trafford Chem. Ltd.*

4058 Variamine

101-64-4 6028 G



$C_{13}H_{14}N_2O$

N-(p-Methoxyphenyl)-p-phenylenediamine.

N-(4-Aminophenyl)-p-anisidine; 1,4-Benzenediamine, N-(4-methoxyphenyl)-; EINECS 202-962-9; N-(p-Methoxy-phenyl)-p-phenylenediamine; Variamine Blue Base. Used in manufacture of azoic dyestuffs. Crystals; mp = 102°; bp_{12} = 238°. *Hoechst AG.*

4059 Vegetable gelatin

9002-18-0 184 D E G

$(C_{12}H_{18}O_9)_x$

Agar.

Agar; Agar (Gelidium spp.); Agar-agar; Agar agar flake; Agar-agar gum; Agaropectin, mixt with agarose; Agarose, mixt with agaropectin; Bengal; Bengal gelatin; Bengal isinglass; CCRIS 16; Ceylon; Ceylon isinglass; Chinese gelatin; Chinese isinglass; Digenea simplex mucilage; EINECS 232-658-1; FEMA No. 2012; Gelose; HSDB 1901; Isinglass, japanese; Japan agar; Japan isinglass; Japanese gelatin; Japanese isinglass; Layor Carang; Macassar gelatin; NCI-C50475; Vegetable gelatin. Suspending agent, used as a pharmaceutical aid. Used in biochemical research. Used medicinally as a laxative-cathartic. FDA, FEMA GRAS, Europe listed, UK approved, USP/NF, BP, Ph.Eur. compliance. Used as a protective colloid, stabilizer, carrier, emulsifier, emollient for orals, slow release capsules, suppositories, surgical lubricants, emulsions; excipient, disintegrant in tablets, laxative, bulking agent, suspending agent for barium sulfate. Transparent, odorless, fine powder; insoluble in cold H_2O; slowly soluble in hot H_2O to a viscid solution. A 1% solution forms a stiff jelly on cooling. LD_{50} (rat orl) = 11,000 *mg/kg. Alcoa Ind. Chem.; Am. Roland; Brown & Dureau Intl.; Calaga Food Ingredients; Charkit; Chart; Diamalt; Frutarom; Gumix Intl.; Hatrick A. C.; Hercules Inc.; Honeywell & Stein; Meer; MLG Enterprises; Quest Intl.; Quest USA; Roeper C. E. GmbH; Ruger; Schweizerhall Inc.; Sigma-Aldrich Fine Chem.; Spectrum Chem. Manufacturing; Spice King; TIC Gums; U.S. BioChem.*

4060 Vegetable oil fatty acids

61788-66-7 H

Fatty acids, vegetable-oil.

Acidulated vegetable oil soapstock; EINECS 262-994-4; Fatty acids, vegetable-oil; Mixed vegetable oil acids; Vegetable oil fatty acids.

4061 Vegetable rouge

36338-96-2 1882 G

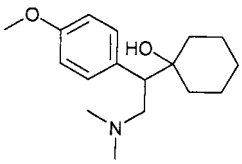
$C_{43}H_{42}O_{22}$

Carthamin.

Carthamin; Carthamine; EINECS 252-981-1; 6-β-D-Glucopyranosyl-2-[[3-β-D-glucopyranosyl-2,3,4-tri-hydroxy-5-[3-(4-hydroxyphenyl)-1-oxo-2-propenyl]-6-oxo-1,4-cyclohexadien-1-yl]methylene]-5,6-dihydroxy-4-[3-(4-hydroxyphenyl)-1-oxo-2-propenyl]-4-cyclohexene-1,3-dione; cathamic acid; safflor carmine; safflor red; C.I. Natural Red 26; C.I. 75140. Carthamin, the coloring matter of *Carthamus tinctorius* mixed with French chalk; used as a cosmetic.

4062 Venlafaxine

93413-69-5 10008 D



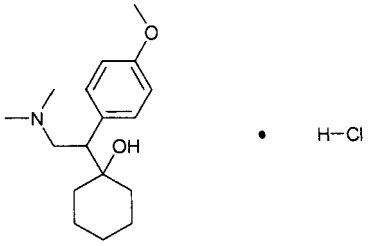
$C_{17}H_{27}NO_2$

(±)-1-[α-[(Dimethylamino)methyl]-p-methoxybenzyl]-cyclohexanol.

Elafax; Venlafaxina; Venlafaxine; Venlafaxinum; Venla-fexine. A serotonin noradrenaline reuptake inhibitor. Used as an antidepressant. Crystals; mp = 102-104°; [(-)-form)]: $[\alpha]_D^{25}$= -27.1° (c = 1.04 in 95% EtOH); [(+)-form]: $[\alpha]_D^{25}$= +27.6° (c = 1.07 in 95% EtOH). *Am. Home Products; Wyeth-Ayerst Labs.*

4063 Venlafaxine hydrochloride

99300-78-4 10008 D



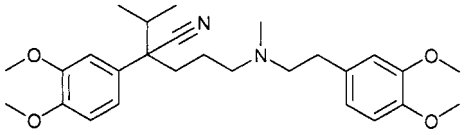
$C_{17}H_{28}ClNO_2$

(±)-1-[α-[(Dimethylamino)methyl]-p-methoxybenzyl]-cyclohexanol hydrochloride.

Effexor; Effexor XR; HSDB 6699; Venlafaxine hydro-chloride; Wy-45,030; Wy-45,651; Wy-45,655. A serotonin noradrenaline reuptake inhibitor. Antidepress-ant. Crystals; mp = 215-217°; soluble in H_2O (57.2 g/100 ml); [(+) or (-) form]: mp = 240-240.5°; [(-)-form)]: $[\alpha]_D^{25}$= +4.6° (c = 1.0 in EtOH); [(+)-form]: $[\alpha]_D^{25}$= -4.7° (c = 0.945 in EtOH). *Am. Home Products; Wyeth-Ayerst Labs.*

4064 Verapamil

52-53-9 10012 D



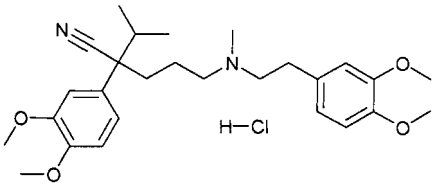
$C_{27}H_{38}N_2O_4$

5-[(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-di-methoxyphenyl)-2-isopropylvaleronitrile.

CCRIS 6749; CP-16533-1; D-365; Dilacoran; EINECS 200-145-1; Iproveratril; Isoptimo; Vasolan; Verapamil; Verapamilo; Verapamilum. Antianginal; class IV antiarrhythmic agent. Coronary vasodilator with calcium channel blocking activity. Oil; $bp_{0.001}$ = 243-246°; insoluble in H_2O; slightly soluble in C_6H_6, C_6H_{16}, Et_2O; soluble in EtOH, MeOH, Me_2CO, EtOAc, $CHCl_3$. *Bristol-Myers Squibb Co.*

4065 Verapamil hydrochloride

152-11-4 10012 D



$C_{27}H_{39}ClN_2O_4$

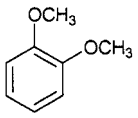
5-[(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile hydrochloride.

Akilen; Anpec; Apo-Verap; Arapamyl; Arpamyl LP; Berkatens;

Calan; Calan SR; Calaptin; Calaptin 240 SR; Calcan hydrochloride; Cardiabeltin; Cardiagutt; Cardibeltin; Cardioprotect; Caveril; Civicor; Civicor Retard; Coraver; Cordilox; Cordilox SR; Corpamil; Covera-HS; D-365 hydrochloride; Dignover; Dilacoran HTA; Drosteakard; Durasoptin; EINECS 205-800-5; Elthon; Falicard; Finoptin; Flamon; Geangin; Harteze; Hexasoptin; Hexasoptin Retard; Hormitol; HSDB 3928; Ikacor; Ikapress; Inselon; Iproveratril hydrochloride; Isoptin; Isoptin Retard; Isoptin SR; Isoptine; Isoptino; Izoptin; Jenapamil; Lekoptin; Lodixal; LU 20175; Magotiron; Manidon; Manidon Retard; Novapamyl LP; Novo-Veramil; NSC 272366; Nu-Verap; Ormil; Praecicor; Quasar; Rapam; Robatelan; Securon; Tarka; Univer; Univex; Vasolan; Vasomil; Vasopten; Vera-Sanorania; Verabeta; Veracaps SR; Veracim; Vera-cor; Verahexal; Veraloc; Veramex; Veramil; Verapamil-AbZ; Verapamil Acis; Verapamil AL; Verapamil Atid; Verapamil Basics; Verapamil chloridrate; Verapamil Ebewe; Verapamil Henning; Verapamil hydrochloride; Verapamil Injection; Verapamil MSD; Verapamil NM; Verapamil NM Pharma; Verapamil Nordic; Verapamil PB; Verapamil Riker; Verapamil SR; Verapamil Verla; Verapin; Verapress 240 SR; Veraptin; Verasal; Verasifar; Veratensin; Verdilac; Verelan; Verelan PM; Verelan SR; Verexamil; Veroptinstada; Verpamil; Vetrimil; Vortac. Antianginal; class IV antiarrhythmic agent. Coronary vasodilator with calcium channel blocking activity. Crystals; mp = 138.5-140.5°; soluble in H_2O (7 g/100 g, 83 mg/ml), EtOH (26 mg/ml), propylene glycol (93 mg/ml), MeOH (> 100 mg/ml), iPrOH (4.6 mg/ml), EtOAc (1.0 mg/ml), DMF (> 100 mg/ml), CH_2Cl_2 (> 100 mg/ml), C_6H_{14} (0.001 mg/ml); LD_{50} (rat iv) ▪ 16 mg/kg, (mus iv) = 8 mg/kg. *Knoll Pharm. Co.; Lederle Labs.; Parke-Davis; Searle G.D. & Co.*

4066 Veratrole

91-16-7 10018 G



$C_8H_{10}O_2$

1,3-dimethoxybenzene.

pyrocatechol dimethylether; 1,2-dimethoxybenzene; o-dimethoxybenzene. Used medically as an antiseptic. Solid; mp = 22.5°; bp = 206°; d^{25} = 1.0810; λ_m = 225, 275 nm (ε = 11700, 3920, MeOH); soluble in EtOH, Et_2O, CCl_4, poorly soluble in H_2O; LD_{50} (rat orl) = 1360 mg/kg, (mus orl) = 2020 mg/kg. *Alfa Aesar; Garuda Chemicals; Krupa Scientific.*

4067 Videne

25655-41-8 7784 G

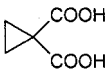
$(C_6H_9NO)_n.xI$

1-ethenyl-2-pyrrolidinone polymers complexed with iodine.

Argentyne; Betadine; Betaisodona; Braunol; Braunosan H; Bridine; Disadine D.P.; Disphex; Efo-dine; 1-Ethenyl-2-pyrrolidinone homopolymer compound with iodine; HSDB 6831; Inadine; Iodinated poly(vinylpyrrolidone); Iodine-poly(vinylpyrrolidinone); Iodopoly(vinyl pyrrolid-inone); Isobetadyne; Isodine; NSC 26245; Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; Poly(vinylpyrrol-idinone) iodide; Povadyne; Povidone-iodine; Proviodine; Pvp-1; PVP-I; PVP iodine; PVP-Iodine, 30-06; 1-Vinyl-2-pyrrolidinone polymer, compound with iodine; 1-Vinyl-2-pyrrolidinone polymers, iodine complex; 2-Pyrrol-idinone, 1-ethenyl-, homopolymer, compd. with iodine; 2-Pyrrolidinone, 1-vinyl-, polymers, compd. with iodine (8Cl); Traumasept; Ultradine; Videne Disinfectant Solution, Videne Disinfectant Tincture, Videne Powder. Pre-operative skin antiseptics containing povidone-iodine USP. Soluble in H_2O, EtOH, $CHCl_3$, insoluble in Et_2O. *3M Pharm.*

4068 Vinaconic acid

598-10-7 G



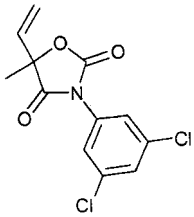
$C_5H_6O_4$

Propene-3,3-dicarboxylic acid.

Cyclopropane-1,1-dicarboxylic acid; 1,1-Cyclopropane-dicarboxylate; EINECS 209-917-2. Crystals; mp ▪ 135-140°.

4069 Vinclozolin

50471-44-8 10046 G P



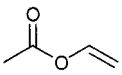
$C_{12}H_9Cl_2NO_3$

3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolid-inedione.

BAS 352 F; BAS 35204F; BRN 1080192; Caswell No. 323C; Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazol-idinedione; (±)-3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione; 3-(3,5-Dichlorophenyl)-5-methyl-5-vinyl-2,4-oxazolidinedione; 3-(3,5-Dichloro-phenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione; 3-(3,5-Dichlorphenyl)-5-methyl-5-vinyl-1,3-oxazolidin-2,4-dion; N-3,5-Dichlorophenyl-5-methyl-5-vinyl-1,3-oxaz-olidine-2,4-dione; EPA Pesticide Chemical Code 113201; HSDB 6747; Ornalin; Oxazolidinedione, 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-; 2,4-Oxazolidine-dione, 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-; 2,4-Oxazolidinedione, 3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-; Ronilan; Vinchlozoline; Vinclozalin; Vinclozolin; Vinclozoline; Vorlan. Registered by EPA as a fungicide. Crystals; mp = 108°; $bp_{0.05}$ ▪ 131°; soluble in H_2O (0.1 g/100 ml at 20°); Me_2CO (34.3 g/100 ml), EtOH (1.1 g/100 ml), C_6H_6 (12.8 g/100 ml), $CHCl_3$ (47.2 g/100 ml), EtOAc (22.8 g/100 ml), cyclohexane (0.7 g/100 ml), Et_2O (4.2 g/100 ml), xylene (9.5 g/100 ml), cyclohexanone (50.8 g/100 ml); LD_{50} (rat orl) > 10000 mg/kg, (gpg orl) = 8000 mg/kg, (rat der) > 2500 mg/kg; LC_{50} (rat ihl 4 hr.) > 29.1 mg/l air, (trout 96 hr.) ▪ 52.5 mg/l, (guppy 96 hr.) = 130 mg/l; non-toxic to bees. *BASF Corp.; Mallinckrodt Inc.*

4070 Vinyl acetate

108-05-4 10053 G H



$C_4H_6O_2$

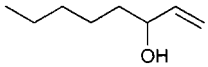
1-Acetoxyethylene.

Acetate de vinyle; Acetic acid ethenyl ester; Acetic acid, vinyl ester; Acetoxyethene; 1-Acetoxyethylene; AI3-18437; CCRIS 1306; EINECS 203-545-4; Ethanoic acid, ethenyl ester; Ethenyl acetate; Ethenyl ethanoate; Everflex® 81L; HSDB 190; NSC 8404; Octan winylu; UN1301; Vinile (acetato di); Vinyl A monomer; Vinyl acetate; Vinyl ethanoate; Vinylacetaat; Vinylacetat; Vinylacetate; Vinyle (acetate de); Vinylester kyseliny octove; Zeset T. A paint and coating emulsion used as a binder for clay coating of paper and paperboard; factory finishes, ceiling tile, wall board, and textile treatments. Intermediate for industrial and consumer products including polyvinyl acetate, used in paints, adhesives and coatings, polyvinyl alcohol,

used in adhesives, coatings and packaging films, polyvinyl acetals, used in insulation and as a safety glass interlayer and ethylene vinyl acetate copolymers, used in films, coatings and adhesives. Liquid; mp = -93.2°; bp = 72.5°; d= 0.932; λ_m = 258 nm (C_6H_{14}); insoluble in H_2O, soluble in Et_2O, Me_2CO, C_6H_6, CCl_4, $CHCl_3$, freely soluble in EtOH; LD_{50} (rat orl) ▫ 2.92 g/kg. *Exxon; Grace W.R. & Co.; Hoechst Celanese; Quantum/USI; Reichold; Union Carbide Corp.; Wacker Chemie GmbH.*

4071 Vinyl amyl carbinol

3391-86-4 G P



$C_8H_{16}O$

1-Octene-3-ol.

AI3-28627; Amyl vinyl carbinol; Amylvinylcarbinol; BRN 1744110; EINECS 222-226-0; EPA Pesticide Chemical Code 069037; FEMA No. 2805; 3-Hydroxy-1-octene; Matsuica alcohol; Matsutake alcohol; Morillol®; NSC 87563; Oct-1-ene-3-ol; 1-Octen-3-ol; 3-Octenol; 1-Okten-3-ol; Pentyl vinyl carbinol; Pentylvinylcarbinol; 1-Vinylhexanol. Oil with herbaceous and mushroom odor. Used as a fragrance and flavoring. Registered by EPA as an insecticide. Liquid; bp ▫ 174°; d = 0.8300; insoluble in H_2O, soluble in organic solvents. *Aberdeen Road Co.; Armatron International, Inc.; BASF Corp.; Biosensory, Inc.*

4072 Vinyl bromide

593-60-2 G

C_2H_3Br

Monobromoethylene.

4-01-00-00718 (Beilstein Handbook Reference); BRN 1361370; Bromoethene; Bromoethylene; Bromure de vinyle; CCRIS 620; EINECS 209-800-6; Ethene, bromo-; Ethylene, bromo-; HSDB 1030; NCI-C50373; Saytex® VBR; UN1085; Vinile (bromuro di); Vinyl bromide; Vinylbromid; Vinyle (bromure de). Flame retardant; intermediate in organic synthesis and in the manufacturing. of flame retardants, polymers, copolymers, pharmaceuticals, fumigants, and other chemicals; also used in textiles, adhesives, coating, photographic plates and films. Gas; mp ▫ -137.8°; bp = 15.8°; d^{20} = 1.4933; insoluble in H_2O, soluble in EtOH, Et_2O, Me_2CO, C_6H_6, $CHCl_3$. *Ethyl Corp.*

4073 Vinyl chloride

75-01-4 10055 H

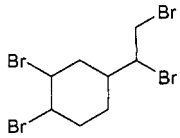
C_2H_3Cl

Ethene, chloro- .

4-01-00-00700 (Beilstein Handbook Reference); BRN 1731576; CCRIS 621; Chlorethene; Chlorethylene; Chloroethene; Chloroethylene; Chlorure de vinyle; Cloruro di vinile; EINECS 200-831-0; Ethene, chloro-; Ethylene, chloro-; Ethylene monochloride; HSDB 169; Monochloroethene; Monochloroethylene; Monovinyl chloride; RCRA waste number U043; Trovidur; UN 1086; VC; VCM; Vinile (cloruro di); Vinyl C monomer; Vinyl chloride; Vinylchlorid; Vinylchloride; Vinyle(chlorure de); Winylu chlorek. Used as a monomer, refrigerant and in chemical synthesis. Gas; mp = -153.7°, bp ▫ -13.3°; poorly soluble in H_2O, more soluble in organic solvents; LD_{50} (mus ihl) = 293.75 mg/l, (rat ihl) = 390 mg/l, (gpg ihl) = 595 mg/l, (rbt ihl) = 295 mg/l. *BOC Gases; Dow Chem. U.S.A.; Dow UK; EniChem Am.*

4074 Vinylcyclohexene tetrabromide

3322-93-8 G



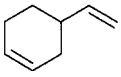
$C_8H_{12}Br_4$

1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane.

3-05-00-00093 (Beilstein Handbook Reference); BRN 1927455; CCRIS 3743; Citex BCL 462; Cyclohexane, 1,2-dibromo-4-(1,2-dibromoethyl)-; 1,2-Dibromo-4-(1,2-di-bromoethyl)cyclohexane; 1-(1,2-Dibromoethyl)-3,4-di-bromocyclohexane; 4-(1,2-Dibromoethyl)-1,2-dibromo-cyclohexane; EINECS 222-036-8; HSDB 6146; Saytex® BCL 462. Flame retardant for expandable, crystalline and high-impact PS, SAN resins, adhesives, coatings, textile treatment, PU. Solid; mp ▫ 68-90°; insoluble in H_2O (<0.1 g/100 ml). *Ethyl Corp.*

4075 4-Vinylcyclohexene

100-40-3 H



C_8H_{12}

Cyclohexene, 4-ethenyl-.

4-05-00-00406 (Beilstein Handbook Reference); AI3-08499; BRN 1901553; Butadiene dimer; CCRIS 1422; Cyclohexene, 4-ethenyl-; Cyclohexene, 4-vinyl-; Cyclohexenylethylene; EINECS 202-848-9; Ethenyl-1-cyclohexene; HSDB 2872; NCI-C54999; NSC 15760; 1,2,3,4-Tetrahydrostyrene; Vinylcyclohexene; 4-Vinyl-cyclohexene; 4-Vinylcyclohexene-1. Liquid; mp = -108.9°; bp = 128°; d^{20} = 0.8299; insoluble in H_2O, soluble in Et_2O, C_6H_6, petroleum ether.

4076 Vinyl fluoride

75-02-5 H

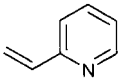
C_2H_5F

Ethene, fluoro- .

4-01-00-00694 (Beilstein Handbook Reference); BRN 1731574; CCRIS 7213; EINECS 200-832-6; Ethene, fluoro-; Ethylene, fluoro-; Fluoroethene; Fluoroethylene; HSDB 807; Monofluoroethene; Monofluoroethylene; UN1860; Vinyl fluoride . Used as a monomer and in chemical synthesis. Gas; mp = -160.5°; bp = -72°; slightly soluble in H_2O, soluble in organic solvents. *E. I. DuPont de Nemours Inc.; Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

4077 Vinyl pyridine

1337-81-1 G



C_7H_7N

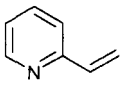
Pyridine, ethenyl-.

Ethenylpyridine; Pyridine, ethenyl; Pyridine, vinyl-; Vinylpyridine. Mixture of α-, β- and γ-isomers. Used for adhesives, tire cord, and

industrial goods dips. *Penta Mfg.; Raschig GmbH; Reilly Ind.*

4078 2-Vinylpyridine

100-69-6 H



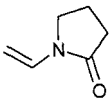
C_7H_7N

Pyridine, 2-ethenyl-.

AI3-24116; CCRIS 5238; EINECS 202-879-8; 2-Ethenylpyridine; HSDB 1508; NSC 18255; Pyridine, 2-ethenyl-; Pyridine, 2-vinyl-; 2-Vinylpyridine; 2VP. Oil; bp = 159.5°; d^{20} = 0.9983; λ_m = 234, 278 nm (MeOH); slightly soluble in H_2O, very soluble in EtOH, Et_2O, Me_2CO, $CHCl_3$.

4079 N-Vinyl-2-pyrrolidinone

88-12-0 7783 H



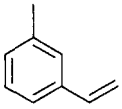
C_6H_9NO

2-Pyrrolidinone, 1-ethenyl- .

5-21-06-00330 (Beilstein Handbook Reference); BRN 0110513; EINECS 201-800-4; NSC 10222; V-Pyrol; Vinyl-2-pyrrolidone; Vinylbutyrolactam; Vinylpyrrolidin-one; N-Vinyl-2-pyrrolidinone; Vinylpyrrolidone; N-Vinyl-2-pyrrolidone; N-Vinyl pyrrolidone; N-Vinylpyrrolidin-one. Liquid; mp = 13.5°; bp_{400} = 193°, bp_{11} = 93°; d^{20} = 1.04.

4080 Vinyl toluene

25013-15-4 H



C_9H_{10}

3- and 4-Vinyl toluene (mixed isomers).

4-05-00-01369 (Beilstein Handbook Reference); ar-Methylstyrene; Benzene, ethenylmethyl-; BRN 1209317; CCRIS 2369; EINECS 246-562-2; Ethenylmethylbenzene; HSDB 1035; Methylethenylbenzene; Methylstyrene; Methylvinylbenzene; NCI-C56406; NSC 4832; Styrene, ar-methyl-; Styrene, methyl-; Styrene, methyl- (mixed isomers); α,β-Styrene; Toluene, vinyl- (mixed isomers); Tolylethylene; UN2618; Vinyl toluene; 3- and 4-Vinyl toluene (mixed isomers); Vinyl toluene; Vinyltoluene; Vinyltoluene, industrial; Vinyltoluenes, inhibited.

4081 Vinyl trichloride

79-00-5 9711 H

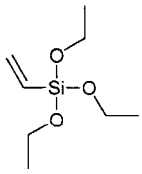
$C_2H_3Cl_3$

1,1,2-Trichloroethane.

4-01-00-00139 (Beilstein Handbook Reference); BRN 1731726; Caswell No. 875A; CCRIS 602; EINECS 201-166-9; EPA Pesticide Chemical Code 081203; Ethane, 1,1,2-trichloro-; HSDB 1412; NCI-C04579; NSC 405074; RCRA waste number U359; RCRA waste number U227; Trojchloroetan(1,1,2); Vinyl trichloride. Used as a solvent for fats and waxes. Liquid; mp = -36.6°; bp = 113.8°; d^{20} = 1.4397; insoluble in H_2O, moderately soluble in organic solvents; LD_{50} (rat orl) = 835 mg/kg. *Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

4082 Vinyltriethoxysilane

78-08-0 G



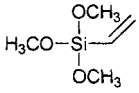
$C_8H_{18}O_3Si$

(Triethoxysilyl)ethylene.

4-04-00-04256 (Beilstein Handbook Reference); AI3-51468; BRN 1767229; CCRIS 2645; CV-4910; EINECS 201-081-7; KBE 1003; NV 1107; Polyscience VTES; Silane A 151; Silane, ethenyltriethoxy-; Silane, triethoxy-vinyl-; Silane, vinyl triethoxy 1-151; Triethoxy(vinyl)sil-ane; Triethoxyvinyl silane; Triethoxyvinylsilicane; Union Carbide A-151; Vinyltriethoxysilane; VTES; VTS-E. Intermediate, especially when acidic by-products are undesirable; filler. bp = 160-161°, bp_{20} = 62°; d^{20} = 0.901; soluble in $CHCl_3$. *Degussa-Hüls Corp.; PCR; Union Carbide Corp.*

4083 Vinyltrimethoxysilane

2768-02-7 G



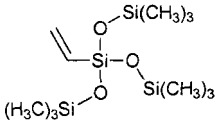
$C_5H_{12}O_3Si$

(Trimethoxysilyl)ethene.

4-04-00-04256 (Beilstein Handbook Reference); A 171; BRN 1099136; CV-4917; EINECS 220-449-8; Ethenyl-trimethoxysilane; KBM 1003; Silane, ethenyltrimethoxy-; Silane, trimethoxyvinyl-; SZ 6300; Trimethoxyvinylsilane; Union Carbide® A-171; V 4917; Vinyl trimethoxy silane; Vinyltrimethoxysilane; VTS-M; Y 4302. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. Used as a crosslinking agent providing gloss, hiding power to coatings. Liquid; bp = 123°; d = 1.1300; LD_{50} (rat orl) = 11300 mg/kg. *Degussa-Hüls Corp.; Union Carbide Corp.*

4084 Vinyl tris(trimethylsiloxy) silane

5356-84-3 G



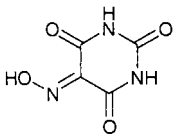
$C_{11}H_{30}O_3Si_4$

1,1,1,5,5,5-Hexamethyl-3-((trimethylsilyl)oxy)-3-vinyltrisiloxane.

CV5100; EINECS 226-342-2; Trisiloxane, 3-ethenyl-1,1,1,5,5,5-hexamethyl-3-((trimethylsilyl)oxy)-. Coupling agent, chemical intermediate, blocking agent, release agent, lubricant, primer, reducing agent. *Degussa-Hüls Corp.*

4085 Violuric acid

87-39-8 G



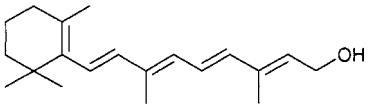
$C_4H_3N_3O_4$

2,4,5,6(1H,3H)-Pyrimidinetetrone-5-oxime.

Alloxan 5-oxime; EINECS 201-741-4; 5-Hydroxyimino-barbituric acid; 5-Isonitrosobarbituric acid; NSC 56338; 2,4,5,6(1H,3H)-Pyrimidinetetrone, 5-oxime; Violuric acid. Crystals; mp = 240-241° (dec); insoluble in H_2O, soluble in EtOH.

4086 Vitamin A

68-26-8 10073 D G



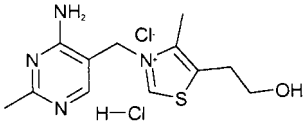
$C_{20}H_{30}O$

3,7-Dimethyl-9-(2,6,6,-trimethyl-1-cyclohexen-1-yl)-2,4, 6,8-nonatetraen-1-ol.

4-06-00-04133 (Beilstein Handbook Reference); A-Mulsal; A-Sol; A-Vi-Pel; A-Vitan; Acon; Afaxin; Agiolan; Agoncal; Alcovit A; Alphalin; Alphasterol; Anatola; Anat-ola A; Anti-infective vitamin; Antixerophthalmic vitamin; Antixerophthalmisches Vitamin; Aoral; Apexol; Apostavit; Aquasol A; Aquasynth; Atars; Atav; Avibon; Avita; Avitol; Axerol; Axerophthol; Axerophtholum; Bentavit A; Biosterol; BRN 0403040; CCRIS 5444; Chocola A; Del-Vi-A; Disatabs Tabs; Dofsol; Dohyfrai A; EINECS 200-683-7; Epiteliol; HI-A-Vita; Homagenets Aoral; HSDB 815; Lard factor; Myvpack; Nio-A-let; Nonatetraen-1-ol; NSC 122759; Oleovitamin A; Ophthalamin; Plivit A; Prepalin; Retinol; Retinol, all trans-; all-trans-Retinol; Retinolo; Retinolum; all-trans-Retinyl alcohol; Retro-vitamin A; Sehkraft A; Solu-A; Super A; Testavol; Testavol S; Vaflol; Vafol; Veroftal; Vi-α; Vi-Dom-A; VI-alpha; Vio-A; Vitamin A; all-trans-Vitamin A; all-trans-Vitamin A alcohol; Vitamin A alcohol, all-trans-; Vitamin A1; Vit-amin A1 alcohol; Vitamine A; Vitaminum A; Vitavel-A; Vitpex; Vogan; Vogan-Neu; Wachstumsvitamin. Vitamin, vitamin source. An antixerophthalmic agent with hematopoietic properties. Crystals; mp = 62-64°; $bp_{0.005}$ = 120-125°; λ_m 324-325 nm ($E^{1\%}_{cm}$ 1835; insoluble in H_2O, glycerol; soluble in EtOH, MeOH, $CHCl_3$, fats and oils; LD_{50} (10 day) (mus ip) ■ 1510 mg/kg, (mus orl) = 2570 mg/kg. *Abbott Laboratories Inc.; Astra Chem. Ltd.; BASF Corp.; Eli Lilly & Co.; Parke-Davis; Purdue Pharma L.P.*

4087 Vitamin B_1

67-03-8 9366 D G



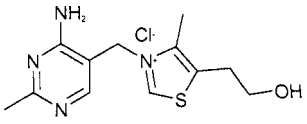
$C_{12}H_{17}N_4OSCl \cdot HCl$

Thiamine hydrochloride .

Betabion; Betabion hydrochloride; Betalin S; Betaxin; AI3-18993; Aneurine hydrochloride; Apate drops; Beat-ine; Bedome; Begiolan; Benerva; Bequin; Berin; Bethia-zine; Beuion; Bevitex; Bevitine; Bewon; Biamine; Bithia-min; Biuno; Bivatin; Bivita; CCRIS 1906; Chloride-hydro-chloride salt of thiamine; Clotiamina; EINECS 200-641-8; Eskapen; Eskaphen; FEMA No. 3322; Hybee; Lixa-β; Metabolin; NSC 36226; Slowten; THD; Thiadoxine; Thiamin chloride; Thiamin dichloride; Thiamin hydro-chloride; Thiaminal; Thiamine chloride hydrochloride; Thiamine dichloride; Thiamine monohydrochloride; Thia-minium chloride; Thiaminium chloride hydrochloride; Thiamol; Thiavit; Tiamidon; Tiaminal; Troph-Iron; Troph-ite; Trophite + Iron; USAF CB-20; Vetalin S; Vinothiam; Vitamin B hydrochloride; Vitamin B_1 hydrochloride; Vita-neuron. Essential vitamin. Used in medicine, as a nutrient, in enriched flours. Crystals; mp = 248° (dec); λ_m = 240, 265 nm (MeOH); LD_{50} (mus iv) = 89.2 mg/kg, (mus orl) = 8224 mg/kg. *BASF Corp.; EM Ind. Inc.; Hoffmann-LaRoche Inc.; Roche Vitamins Inc.; Sigma-Aldrich Fine Chem.; Takeda Chem. Ind. Ltd.*

4088 Vitamin B_1

59-43-8 9366 D G



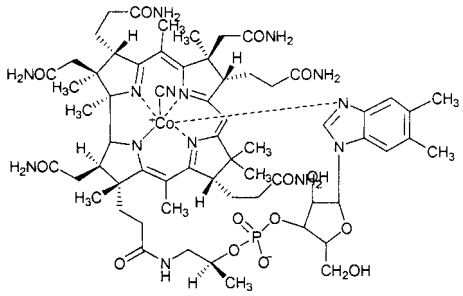
$C_{12}H_{17}N_4OS$

3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methylthiazolium chloride monohydro-chloride.

Aneurin; Aneurine; Apatate drape; B-Amin; Beivon; Beta-bion; Bethiamin; CCRIS 5823; EINECS 200-425-3; HSDB 220; Oryzanin; Oryzanine; Thiamin; Thiamine; Thia-mine, chloride; Thiaminium chloride; Tiamina; Vitaneur-in. Vitamin (enzyme cofactor). Used in medicine, as a nutrient, in enriched flours; available as thiamine hydrochloride and thiamine mononitrate. *Hoffmann-LaRoche Inc.; Hoffmann-LaRoche Ltd.; Honeywell & Stein; Parke-Davis; Roche Vitamins Inc.*

4089 Vitamin B_{12}

68-19-9 10074 D G



$C_{63}H_{88}CoN_{14}O_{14}P$

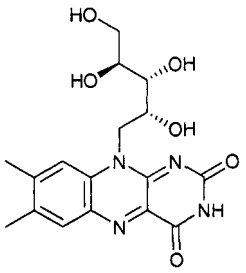
Cyanocobalamin.

Anacobin; B-12; B-Twelve; B-Twelve Ora; Berubigen; Betalin-12; Betolvex; Bevatine-12; Bevidox; Biocobal-amine; BRN 4122889; Byladoce; Cabadon M; CCRIS 3955; Chromagen; Cianocobalamina; CN-B12; Cobadoce forte; Cobalamin, cyanide; Cobalin; Cobamin; Cobavite; Cobione; Coobalamed; Copharvit 5000; Cosmo-Rey; Cotel; Covit; Crystamin; Crystamine; Crystimin; Crystimin-1000; Crystwel; Cyano-B12; Cyanocobalamin; Cyanocobalamine; Cyanocobalaminum; Cycobemin; Cycolamin; Cykobemin; Cykobeminet; Cynobal; Cyomin; Cyredin; Cytacon; Cytamen; Cytobion; Depinar; Dicopac Kit; Distivit (B12 peptide); Dobetin; Docémine; Docibin; Docigram; Docivit; Dodecabee; Dodecavite; Dodex; Ducobee; Duodecibin; EINECS 200-680-0; Embiol; Emociclina; Eritrone; Erycytol; Erythrotin; Euhaemon; Extrinsic factor; Factor II (vitamin B12); Fresmin; Geriplex; Hemo-B-doze;

Hemomin; Hepacon-B12; Hepagon; Hepavis; Hepcovite; HSDB 2850; Hylugel plus; Lactobacillus lactis dorner factor; LLD factor; Macrabin; Magravon; Megalovel; Milbedoce; Millevit; Nagravon; Nascobal; Normocytin; Novidroxin; NSC 80365; Pernaemon; Pernaevit; Pernipuron; Plecyamin; Poyamin; Rebramin; Redamina; Redisol; Rhodacryst; Rubesol; Rubramin; Rubramin PC; Rubripca; Rubrocitol; Sytobex; Tolfrinic; Troph-Iron; Trophite; Trophite + Iron; Vi-Twel; Vibalt; Vibisone; Virubra; Vita-rubra; Vitamin B_{12}; Vitamin B12; Vitarubin; Vitral; component of: Chromagen, Geriplex, Spondylonal, Tolfrinic, Troph-Iron, Trophite, Trophite+Iron. Vitamin, vitamin source. Used as a hematopoietic agent. Dietary supplement; deficiency in man causes pernicious anemia and neural degeneration. Red crystals; mp > 300°; $[\alpha]_{D}^{23}$ = -59° ± 9° (dilute aqueous solution); λ_m = 278, 361, 550 nm ($A^{1\%}_{cm}$ 115, 204, 64 H_2O). *Amersham Corp.; Ascher B.F. & Co.; Eli Lilly & Co.; Elkins-Sinn; Forest Pharm. Inc.; Lederle Labs.; Marion Merrell Dow Inc.; Menley & James Labs Inc.; Merck & Co.Inc.; Parke-Davis; Roerig Div. Pfizer Pharm.; Savage Labs; Wyeth-Ayerst Labs.*

4090 Vitamin B_2

83-88-5 8284 G



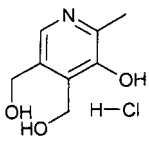
$C_{17}H_{20}N_4O_6$

7,8-dimethyl-10-(D-*ribo*-2,3,4,5-tetrahydroxypentyl)iso-alloxazine.

AI3-14697; Aqua-Flave; Beflavin; Beflavine; CCRIS 1904; Dermadram; 6,7-Dimethyl-9-D-ribitylisoalloxazine; 7,8-Dimethyl-10-ribitylisoalloxazine; 7,8-Dimethyl-10-(D-ribo-2,3,4,5-tetrahydroxypentyl)isoalloxazine; EINECS 201-507-1; Fiboflavin; Flavaxin; Flavin BB; Flaxain; HSDB 817; Hyflavin; HYRE; Isoalloxazine, 7,8-dimethyl-10-(D-ribo-2,3,4,5-tetrahydroxypentyl)-; Isoalloxazine, 7,8-dimethyl-10-D-ribityl-; Lactobene; Lactoflavin; Lacto-flavine; NSC 33298; Ribipca; D-Ribitol, 1-deoxy-1-(3,4-dihydro-7,8-dimethyl-2,4-; Ribocrisina; Riboderm; Ribo-flavin; Riboflavina; Riboflavine; Riboflavinequinone; Riboflavinum; Ribosyn; Ribotone; Ribovel; Russupteridine Yellow III; Vitaflavine; Vitamin B2; Vitamin Bi; Vitamin G; Vitasan B2. Organic compound; crystalline pigment; dietary supplement; principal growth-promoting factor of vitamin B_2 complex (functions as flavor protein in tissue respiration). An essential dietary factor. Yellow crystals; mp = 280° (dec); $[\alpha]_{D}^{25}$ = -117° (H_2O); λ_m = 223, 268, 373, 445 nm (ε = 31623, 31623, 10000, 10000 H_2O); slightly soluble in H_2O, organic solvents; LD_{50} (rat orl > 10 g/kg. *Am. Biorganics; BASF Corp.; Bio-Rad Labs.; EM Ind. Inc.; Hoffmann-LaRoche Inc.; Honeywell & Stein; Roche Vitamins Inc.; Takeda Chem. Ind. Ltd.*

4091 Vitamin B_6 hydrochloride

58-56-0 8072 D G



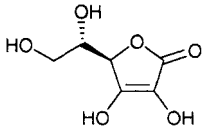
$C_8H_{11}NO_3.HCl$

3-Hydroxy-4,5-dihydroxymethyl-2-methylpyridine hydrochloride.

Adermin hydrochloride; Aderomine hydrochloride; Ader-oxin; Aderoxine; AI3-19016; Alestrol; Becilan; Bécilan; Beesix; Benadon; Bendectin; 4,5-Bis(hydroxymethyl)-2-methylpyridin-3-ol hydrochloride; Bonadoxin; Bonasanit; Campoviton 6; CCRIS 1903; DRG-0125; EINECS 200-386-2; Godabion; Gravidox; Hexa-betalin; Hexabione hydrochloride; Hexavibex; Hexermin; Hexobion; HSDB 1212; Hydoxin; 5-Hydroxy-6-methyl-3,4-pyridine-dicarbinol hydrochloride; NSC 36225; Paxa-don; Pydox; Pyridipca; 3,4-Pyridinedimethanol, 5-hydr-oxy-6-methyl-, hydrochloride; Pyridox; Pyridoxin hydrochloride; Pyrid-oxine chloride; Pyridoxine hydrochloride; Pyridoxinium chloride; Pyridoxinum hydrochloricum; Pyridoxol, hydrochloride; Rodex; Rodex (R); Spondylonal. Vitamin, nutritional factor. An essential dietary factor. Used in medicine and nutrition. Crystals; mp = 214° (dec); λ_m = 290 nm (ε 8400 0.1N HCl); soluble in H_2O (0.22 g/ml), less soluble in organic solvents. *Napp Labs Ltd; Sigma-Aldrich Fine Chem.*

4092 Vitamin C

50-81-7 856 D G H



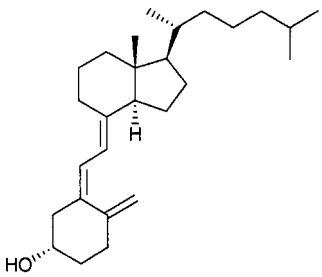
$C_6H_8O_6$

L-Ascorbic acid.

Acide ascorbique; Acido ascorbico; Acidum ascorbicum; Acidum ascorbinicum; Adenex; Allercorb; Antiscorbic vitamin; Antiscorbutic vitamin; Arco-cee; Ascoltin; Ascor-B.I.D.; Ascorb; Ascorbajen; Ascorbate; L-Ascorbate; Ascorbic acid; L-Ascorbic acid; Ascorbicap; Ascorbutina; Ascorin; Ascorteal; Ascorvit; C-Level; C-Long; C-Quin; C-Span; C-Vimin; Cantan; Cantaxin; Caswell No. 061B; Catavin C; CCRIS 57; ce lent; Ce-Mi-Lin; Ce-Vi-Sol; CE-VI-Sol; Cebicure; Cebid; Cebion; Cebione; Cecon; Cee-caps TD; Cee-vite; Cegiolan; Ceglion; Celaskon; Celin; Cemagyl; Cemill; Cenetone; Cenolate; Cereon; Cergona; Cescorbat; Cetamid; Cetane; Cetane-caps TD; Cetane-Caps TC; Cetebe; Cetemican; Cevalin; Cevatine; Cevex; Cevi-bid; Cevimin; Cevital; Cevitamic acid; Cevitamin; Cevitan; Cevitex; Cewin; Chromagen; Ciamin; Cipca; Citriscorb; Colascor; Concemin; Cortalex; Davitamon C; Dora-C-500; Duoscorb; EINECS 200-066-2; FEMA No. 2109; Ferancee; Hicee; HSDB 818; Hybrin; IDO-C; Kyselina askorbova; Laroscorbine; Lemascorb; Liqui-Cee; L-Lyxoascorbic acid; Mediatric; Meri-C; Natrascorb; Natrascorb injectable; NCI-C54808; NSC 33832; Planavit C; Proscorbin; Redoxon; Ribena; Roscorbic; Scorbacid; Scorbu-C; Secorbate; Stuartinic; Testascorbic; Tolfrinic; Vicelat; Vicomin C; Viforcit; Viscorin; Vitace; Vitacee; Vitacimin; Vitacin; Vitamin C; Vitamisin; Vitascorbol; Xitix; component of: Chromagen, Freancee, Mediatric, Stuartinic, Tolfrinic, Veliten. Vitamin, vitamin source. Deficiency in man causes scurvy. It probably plays a part in the production of collagen in the tissues; used in nutrition, color fixing, flavoring, dietary supplement. mp = 190-192°; d =1.65; $[\alpha]_{D}^{25}$ = 20.5 - 21.5° (c = 1), $[\alpha]_{D}^{23}$ =48° (c = 1 MeOH); λ_m = 245 nm (acid solution), 265 nm (neutral solution); soluble in H_2O (33 g/100 ml, 40 g/100 ml at 45°, 80 g/100 ml at 100°), EtOH (3.3 g/100 ml), absolute EtOH (2 g/100 ml); glycerol (1 g/100 ml), propylene glycol (5 g/100 ml), insoluble in Et_2O, $CHCl_3$, C_6H_6, petroleum ether. *Abbott Labs Inc.; Ascher B.F. & Co.; BASF Corp.; Eli Lilly & Co.; Forest Pharm. Inc.; ICN Pharm. Inc.; Johnson & Johnson-Merck Consumer Pharm.; Lederle Labs.; Marion Merrell Dow Inc.; Savage Labs; Wyeth-Ayerst Labs.*

4093 Vitamin D_3

67-97-0 10079 D G V



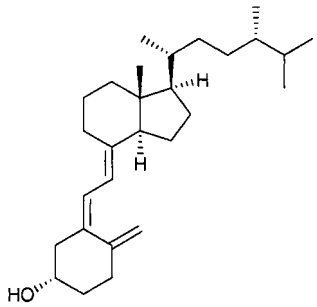
$C_{27}H_{44}O$

9,10-Secocholesta-5,7,10(19)-trien-3-ol.

Activated 7-dehydrocholesterol; Arachitol; Calciol; CC; CCRIS 6286; Cholecalciferol; Cholecalciferol, D3; Chole-calciferolum; Colecalciferol; Colecalciferolo; Colecal-ciferolum; Colecalcipherol; D3-Vicotrat; D3-Vigantol; Delsterol; Deparal; Duphafral D3 1000; Ebivit; EINECS 200-673-2; EPA Pesticide Chemical Code 202901; HSDB 820; Irradiated 7-dehydrocholesterol; NEO Dohyfral D3; NSC 375571; Oleovitamin D3; Quintox; Rampage; Rick-eton; Trivitan; Vi-de-3-hydrosol; Vigantol; Vigorsan; Vita-min D3; Vitinc dan-dee-3. Essential vitamin with anti-rachitic properties. In an oily solution, used as a veterinary preparation to prevent rickets and osteomalacia. Solid; mp = 84-85°; $[\alpha]_D^{20}$= 84.8° (c = 1.6 Me_2CO), 51.9° (c = 1.6 $CHCl_3$); λ_m = 264.5 nm ($E^{1\%}_{cm}$ 450-490 EtOH or C_6H_{14}); soluble in most organic solvents, insoluble in H_2O. *Bayer AG.*

4094 Vitamin D4

511-28-4 10080 G



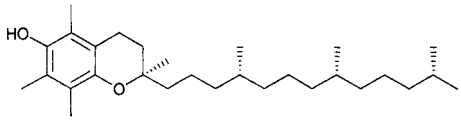
$C_{28}H_{46}O$

(3β,5Z,7E)-9,10-secoergosta5,7,10(19)-trien-3-ol.

EINECS 208-127-5; 9,10-Secocholesta-5,7,10(9)-trien-3-ol, 24-methyl-; 9,10-Secoergosta-5(Z),7(E),10(19)-trien-3β-ol; Vitamin D4. A synthetic vitamin derived from 22-dihydroergosterol by irridation with UV light. It has less activity than vitamins D_2 and D_3. Solid; mp = 96-98°; $[\alpha]_D^{18}$= 89° (c = 0.47, Me_2CO); λ_m= 265 nm; insoluble in H_2O, organic solvents.

4095 Vitamin E

59-02-9 9571 D H



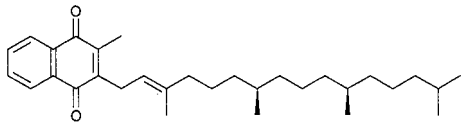
$C_{29}H_{50}O_2$

(2R)-3,4-Dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-2H-1-benzopyran-6-ol .

Almefrol; Antisterility vitamin; Aquasol E; CCRIS 3588; Covi-Ox; Covitol F 1000; Denamone; E 307; E 307 (tocopherol); E-Oil 1000; E Prolin; E-Vimin; EINECS 200-412-2; Empherol; Endo E; Eprolin; Eprolin S; Epsilan; Esorb; Etamican; Etavit; Evion; Evitaminum; HSDB 2556; Ilitia; Lan-E; Med-E; Mixed tocopherols; NSC 20812; Phytogermine; Profecundin; Rhenogran Ronotec 50; Spavit E; Syntopherol; Tenox GT 1; α-Tocopherol; α-Tocopherol acid; (+)-α-Tocopherol; d-α-Tocopherol; D-α-Tocopherol; (2R,4'R,8'R)-α-Tocopherol; (all-R)-α-Toco-pherol; (R,R,R)-α-Tocopherol; α-Tokoferol; Tokopharm; Vascuals; Verrol; Vi-E; Viprimol; Vita E; Vitamin E; Vitamin E α; Vitaplex E; Vitayonon; Viteolin; Viterra E . A fat soluble vitamin; used as an antioxidant, in meat curing, nutrient. Occurs largely in plants. Used as an antioxidant in vegetable oils and shortening. Antioxidant and moisturizer for sun protection and skin care products Oil; mp = 3°; $bp_{0.1}$ = 200-220°; d^{25}_4 = 0.950; n_D^{25} = 1.5045; λ_m = 294 nm ($E^{1\%}_{cm}$ 71); $[\alpha]_{546}^{25}$ = -3° (C_6H_6); insoluble in H_2O, soluble in organic solvents. *Henkel/Cospha; Henkel/Organic Prods.; U.S. Vitamin.*

4096 Vitamin K1

84-80-0 7465 D G



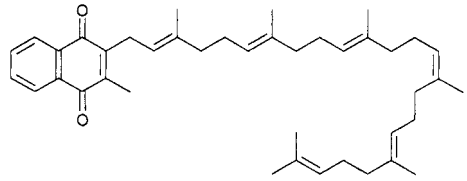
$C_{31}H_{46}O_2$

[R-[R*,R*-(E)]]-2-Methyl-3-(3,7,11,15-tetramethyl-2-hexa-decenyl)-1,4-naphthalenedione.

Antihemorrhagic vitamin; Aqua mephyton; Aquamephyt-on; Combinal K1; EINECS 201-564-2; Fitomenadiona; Fitomenadione; HSDB 3162; K-Ject; Kativ N; Kephton; Kinadion; Konakion; Mephyton; Mono-Kay; Monodion; NSC 270681; Phyllochinon; Phyllochinonum; Phyllo-quinone; Phytomenadione; Phytomenadionum; Phytona-dione; Phytonadionum; Phytylmenadione; Synthex P; Veda-K1; Veta-K1; Vitamin K1; Vitamin K1. Vitamin, vita-min source. A fat soluble vitamin; deficiency gives rise to hemorrhage. Oil; mp = -20°; $bp_{0.001}$ = 140 - 145°; d^{20} = 0.964; $[\alpha]_D^{25}$= -0.28° (dioxane); λ_m = 242, 248, 260, 269, 325 nm ($E^{1\%}_{cm}$ 396, 4319, 383, 387, 68 petroleum ether); insoluble in H_2O; sparingly soluble in MeOH; soluble in EtOH, Me_2CO, C_6H_6, petroleum ether, C_6H_{14}, dioxane, $CHCl_3$, Et_2O, fats and oils; [dihydro form (phytonadiol; dihydrovitamin K1)]: insoluble in H_2O, sparingly soluble in petroleum ether, freely soluble in Et_2O; [dihydro form sodium diphosphate ($C_{31}H_{48}Na_2O_8P_2$; phytonadiol sod-ium diphosphate; Kayhydrin)]: mp = 138°; soluble in H_2O, MeOH. *Abbott Labs Inc.; Hoffmann-LaRoche Inc.; Merck & Co.Inc.; Roche Labs; Roche Products Ltd.*

4097 Vitamin K2

84-81-1 5855 D G



$C_{41}H_{56}O_2$

(all-E)-2-(3,7,11,15,19,23,27-Heptamethyl-2,6,10,14,18, 22,26-

octacosaheptaenyl)-3-methyl-1,4-naphthalene-dione.

Menaquinone 6; MK 6; Vitamin $K_{2(30)}$. Vitamin, vitamin source. A fat soluble vitamin. 2-methyl-3-difarnesyl-1,4-napthaquinone; synthesized in the gut by bacteria. mp = 50°; λ_m 243, 248, 261, 270, 325-328 nm ($E^{1\%}_{1cm}$ 304, 320, 290, 292, 53 petroleum ether).

4098 Vitreosil

60676-86-0 G

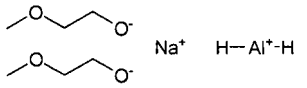
SiO_2

Silicon dioxide glass.

Accusand; Admafine SO 25H; Admafine SO 25R; Admafine SO 32H; Admafine SO-C 2; Admafine SO-C 3; AF-SO 25R; Amorphous quartz; Amorphous silica; As 1 (silica); BF 100; Borsil P; Corning 7940; CP-SilicaPLOT; CRS 1102RD8; Cryptocrystalline quartz; Denka F 90; Denka FB 30; Denka FB 44; Denka FB 74; Denka FS 30; ED-C (silica); EF 10; EINECS 262-373-8; Elsil 100; Elsil BF 100; EQ 912; F 44; F 44 (filler); F 125; F 125 (silica); F 160 (silica); FB 5 (silica); FB 20 (silica); FS 74; Fused quartz; Fused silica; Fuselex; Fuselex RD 40-60; Fuselex RD 120; Fuselex ZA 30; GP 7I; GP 11I; Microcrystalline quartz; MR 84; Nalcast; Optocil; Optocil (quartz); QG 100; Quartz glass; Quartz sand; Quarzsand; Rancosil; RD 8; RD 120; S-Col; SGA; Silica; Silica, amorphous, fused; Silica, crystalline - fused; Silica, fused; Silica, fused, respirable dust; Silica, fused [Silica, amorphous]; Silica, vitreous; Silicon dioxide; Silicon dioxide (vitreous); Silicone dioxide; Siltex; Spectrosil; Suprasil; Suprasil W; Vitreosil IR; Vitreous quartz; Vitreous silica; Vitrified silica; Y 40. Used as an ablative material in rocket engines, as fibers in reinforced plastics; special camera lenses.

4099 Vitride®

22722-98-1 8635 G



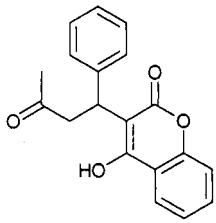
$C_6H_{16}AlNaO_4$

Dihydrobis(2-methoxyethanolato-O,O')aluminate(1-) sodium.

Aluminate(1-), dihydrobis(2-methoxyethanolato-O,O')-, sodium; Dihydrobis(2-methoxyethoxy)aluminate; EINECS 245-178-2; Red-Al; SMEAH; Sodium dihydridobis(2-methoxyethanolato)aluminate(1-); Vitride. Reducing agent. Viscous liquid; d = 1.0360. *Zeeland Chem. Inc.*

4100 Warfarin

81-81-2 10097 D G P



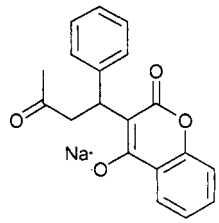
$C_{19}H_{16}O_4$

3-(α-Acetonylbenzyl)-4-hydroxycoumarin.

5-18-04-00162 (Beilstein Handbook Reference); Arab Rat Death; Athrombine-K; BRN 1293536; Brumolin; Caswell No. 903; Co-Rax; Compound 42; Coumadin; Coumafen; Coumafene; Coumaphene; Coumarins; Coumefene; Cov-R-Tox; d-Con; Dethmor; Dethnel; Dicusat E; Eastern states duocide; EINECS 201-377-6; EPA Pesticide Chemical Code 086002; Fasco fascrat powder; Frass-ratron; HSDB 1786; Killgerm® Sewarin P; Kumader; Kumadu; Kumatox; Kypfarin; Latka 42; Liqua-tox; Maag rattentod cum; Mar-frin; Martin's mar-frin; Maveran; Mouse pak; NSC 59813; Panwarfin; Place-Pax; Prothromadin; Rat & mice bait; Rat-A-way; Rat-B-gon; Rat-Gard; Rat-Kill; Rat-Mix; Rat-O-cide 2; Rat-ola; Rat-Trol; Ratorex; Ratox; Ratoxin; Ratron; Ratron G; Rats-No-More; Ratten-koederrohr; Rattenstreupulver Neu Schacht; Rattentraenke; Rattunal; Rax; RCRA waste number P001; Ro-Deth; Rodafarin; Rodafarin C; Rodex; Rodex blox; Rosex; Rough & Ready mouse mix; Solfarin; Spray-trol brand roden-trol; Temus W; Tox-Hid; Twin light rat away; Vampirinip II; Vampirinip III; WARF compound 42; Warfarat; Warfarin; rac-Warfarin; Warfarin Q; Warfarina; Warfarine; Warfarinum; Zoocoumarin. Used as a rodent-icide and an anticoagulant. Orally effective, fat soluble derivative of 4-hydroxycoumarin that induce hypo-coagulability only *in vivo* by inducing the formation of structurally incomplete clotting factors. Crystals; mp = 161°; λ_m = 308 nm (ε 13610 H_2O); soluble in Me_2CO, dioxane; slightly soluble in MeOH, EtOH, iPrOH, some oils; insoluble in H_2O, C_6H_6, C_6H_{12}. *Killgerm Chemicals Ltd.; Mechema Chemicals Ltd.*

4101 Warfarin sodium

129-06-6 10097 D P



$C_{19}H_{15}NaO_4$

3-(α-Acetonylbenzyl)-4-hydroxycoumarin sodium salt.

3-(α-Acetonylbenzyl)-4-hydroxycoumarin sodium salt; Aldocumar; Athrombin; 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, sodium salt; Caswell No. 903A; Coumadan Sodico; Coumadin sodium; Coum-adine; Coumafene sodium; Coumarin, 3-(α-acetonyl-benzyl)-4-hydroxy-, sodium salt; Dicusat; EINECS 204-929-4; EPA Pesticide Chemical Code 086003; Jantoven; Marevam; Marevan; Orfarin; Panwarfin; Prothromadin; Ratsul soluble; Simarc; Sodium, ((3-(α-acetonylbenzyl)-2-oxo-2H-1-benzopyran-4-yl)oxy)-; Sodium coumadin; Sodium warfarin; Tintorane; UniWarfin; Varfine; Waran; Warcoumin; Warfarin sodium; (±)-Warfarin sodium; Warfilone; Zoocoumarin sodium salt. Used as a rodenticide and an anticoagulant. Crystals; Very soluble in H_2O, EtOH; slightly soluble in $CHCl_3$, Et_2O; LD_{50} (mrat orl) = 323 mg/kg, (frat orl) = 58 mg/kg, (mus orl) ≅ 374 mg/kg, (rbt orl) ≅ 800 mg/kg, (mrat orl) = 100.3 mg/kg, (frat orl) = 8.7 mg/kg. *Abbott Labs Inc.; DuPont-Merck Pharm.*

4102 White mineral oil

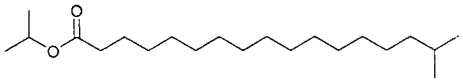
8042-47-5 H

White mineral oil.

EINECS 232-455-8; Mineral oil, white; Slab oil (Obs.); White mineral oil; White mineral oil, petroleum.

4103 Wickenol® 131

68171-33-5 G



$C_{21}H_{42}O_2$

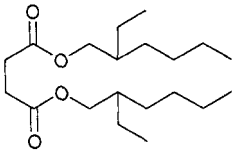
Isopropyl isostearate.

EINECS 250-651-1; Isooctadecanoic acid, 1-methylethyl ester;

Isopropyl isostearate; Isostearic acid, isopropyl ester; 1-Methylethyl isooctadecanoate; Nikkol IPIS; 2-Propyl isooctadecanoate; Wickenol 131. Lubricant, emollient, solubilizer. *CasChem.*

4104 Wickenol® 159

2915-57-3 G



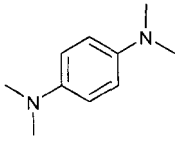
$C_{20}H_{38}O_4$

Dioctyl succinate.

AI3-00998; Bis(2-ethylhexyl) succinate; Butanedioic acid, bis(2-ethylhexyl) ester; Di-(2-ethylhexyl) succinate; Di-2-ethylhexyl succinate; Di(2-ethylhexyl)butanedioate; EINECS 220-836-1; Succinic acid, bis(2-ethylhexyl) ester; Wickenol 159. Emollient, moisturizer, pigment wetter/ dispersant; increases water vapor porosity of fatty components used in cosmetic and topical pharmaceutical preparations. *CasChem.*

4105 Wurster's blue

100-22-1 9301 G



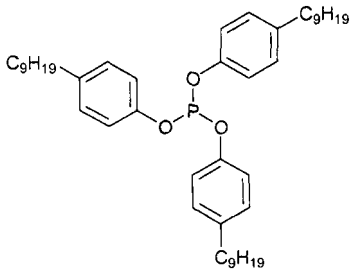
$C_{10}H_{16}N_2$

Tetramethyl-p-phenylenediamine.

AI3-51106; Benzene, 1,4-bis(dimethylamino)-; 1,4-Benzenediamine, N,N,N',N'-tetramethyl-; 1,4-Bis-(di-methylamino)benzene; p-Bis(dimethylamino)benzene; CCRIS 4728; EINECS 202-831-6; p-Phenylenediamine, N,N,N',N'-tetramethyl-; Tetramethyl-p-phenylenedi-am-ine; N,N,N',N'-Tetramethyl-p-fenylendiamin; N,N,N',N'-Tetramethyl-p-phenylenediamine; N,N,N,N-Tetramethyl-1,4-benzenediamine; TL 85; Wurster's Blue; Wurster's reagent. An oxidation product of tetramethyl-p-phenylenediamine; used as an acid-base indicator. Leaflets; mp = 51°; bp = 260°; λ_m = 228, 264, 304 nm (ε = 4677, 16218, 1861, cyclohexane); slightly soluble in H_2O, soluble in ligroin, freely soluble in EtOH, Et_2O, C_6H_6, $CHCl_3$.

4106 Wytox® 312

26523-78-4 G H



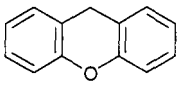
$C_{45}H_{69}O_3P$

Tris (nonylphenyl) phosphite.

EINECS 247-759-6; Irgafos TNPP; JP 351; Mark 829; Mark 1178; Nonylphenyl phosphite; P 3; P 3 (anti-oxidant); Phenol, nonyl-, phosphite (3:1); Phosphorous acid, tris(nonylphenyl) ester; Tri(monononylphenyl) phosphite; Tris(nonylphenyl) phosphite; Wytox® 312; Trinonylphenol phosphite; Tri(nonylphenyl) phosphite; Tris(nonyl phenyl) phosphite; UVI-NOX 3100. Antioxidant for PE, PP, PS, PVC, ABS, nylon, food packaging; processing, and color stabilizer. A non staining, nondiscoloring, low volatility antioxidant for polyolefins, vinyl chloride polymers, high impact polystyrenes. *National Polychemicals; Uniroyal.*

4107 Xanthene

92-83-1 G



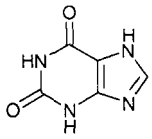
$C_{13}H_{10}O$

9H-Xanthene.

5-17-02-00252 (Beilstein Handbook Reference); AI3-01544; BRN 0133939; EINECS 202-194-4; NSC 46931; 10H-9-Oxaanthracene; Xanthene. Used in organic synthesis and as a fungicide. Yellow leaflets; mp= 100.5°; bp = 311°; λ_m = 246, 282, 291 nm (ε = 7410, 2150, 1730, MeOH); insoluble in H_2O, poorly soluble in EtOH, soluble in Et_2O, C_6H_6, CCl_4, $CHCl_3$, AcOH, ligroin. *Lancaster Synthesis Co.; Sigma-Aldrich Fine Chem.*

4108 Xanthine

69-89-6 10116 G



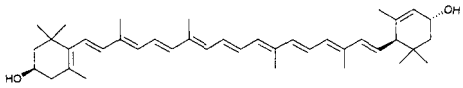
$C_5H_4N_4O_2$

3,7-dihydro-1H-purine-2,6-dione.

AI3-52268; CCRIS 994; 3,7-Dihydro-1H-purine-2,6-dione; 2,6-Dioxo-1,2,3,6-tetrahydropurine; 2,6-Dioxo-purine; EINECS 200-718-6; EPA Pesticide Chemical Code 116900; Isoxanthine; NSC 14664; Pseudoxanthine; Purine-2(3H),6(1H)-dione; Purine-2,6-diol; 1H-Purine-2,6-diol; 9H-Purine-2,6-diol; 1H-Purine-2,6-dione, 3,7-dihydro-; 2,6(1,3)-Purinedion; Purine-2,6-(1H,3H)-dione; 9H-Purine-2,6-(1H,3H)-dione; USAF CB-17; XAN; Xanth-ic oxide; Xanthin; Xanthine. Used in organic synthesis and medicine. Yellowish powder; soluble in H_2O (0.007 g/100 ml at 25°, 0.07 g/100 ml at 100°), less soluble in EtOH. *Am. Biorganics; Dajac Labs.; U.S. BioChem.*

4109 Xanthophyll

127-40-2 10120 G



$C_{40}H_{56}O_2$

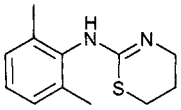
β,ε-carotene-3,3'-diol.

Bo-Xan; β,ε-Carotene-3,3'-diol; β,ε-Carotene-3,3'-diol, (3R,3'R,6'R)-; EINECS 204-840-0; Lutein; all-trans-Lutein; Lutein, all-trans-; Lutein ester; Luteine; NSC 59193; Vegetable lutein; Vegetable luteol; Xanthophyll; all-trans-(+)-Xanthophyll; Xanthophyll, all-trans-(+)-. The yellow pigment occurring in green vegetation and some animal products. Yellow or violet prisms; mp = 196°; $[\alpha]^{18}_D$ = 160° (c = 0.7, $CHCl_3$); λ_m = 340, 457, 488 nm (ε = 6607, 123027, 112202, C_6H_6); insoluble in H_2O, very soluble in C_6H_6, EtOH, Et_2O,

petroleum ether.

4110 Xylazine

7361-61-7 10135 D G V



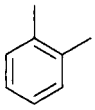
$C_{12}H_{16}N_2S$

5,6-Dihydro-2-(2,6-xylidino)-4H-1,3-thiazine.

Bay 1470; Bay Va 1470; EINECS 230-902-1; Narcoxyl; Rompun; Wh-7286; Xilazina; Xylapan; Xylazine; Xylazinum. Used in veterinary medicine as a sedative, analgesic and muscle relaxant. [free base]; crystals; mp = 140-142°, 136-139°; soluble in dilute acids, C_6H_6, Me_2CO, $CHCl_3$; slightly soluble in petroleum ether; nearly insoluble in H_2O, alkali; LD_{50} (mus iv) = 42 mg/kg, (mus orl) = 240 mg/kg, (rat orl) = 130 mg/kg. *Bayer Corp. Pharm. Div.*

4111 Xylene

1330-20-7 10136 G H P



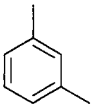
$C_{24}H_{30}$

Dimethylbenzene.

4-05-00-00951 (Beilstein Handbook Reference); AI3-02209-X; Benzene, dimethyl-; BRN 1901563; Caswell No. 906; CCRIS 903; Dimethylbenzene; EINECS 215-535-7; EPA Pesticide Chemical Code 086802; HSDB 4500; Ksylen; Methyltoluene; NCI-C55232; RCRA waste number U239; Socal aquatic solvent 3501; UN 1307; Violet 3; Xiloli; Xylene; Xylene (mixed isomers); Xylenen; Xylenes; Xylol; Xylole. Aromatic compound.; commercial mixture of 3 isomers; o-, m-, p-xylene; solvent; raw material for production of benzoic acid, phthalic anhydride, dyes, other organics; aviation gasoline; protective coating; solvent for alkyd resins, lacquers, enamels andrubber cements. Registered by EPA as an insecticide (cancelled). Mobile liquid; d = 0.86; bp = 137 - 140°; insoluble in H_2O, miscible with EtOH, Et_2O and most other organic solvents. *Ashland; Crowley Tar Prods.; ExxonMobil Chem. Co.; Fina Chemicals; Mallinckrodt Inc.; Mitsubishi Corp.; Mitsui Petroleum; Riedel de Haen (Chinosolfabrik); Shell; Sigma-Aldrich Co.; Texaco.*

4112 m-Xylene

108-38-3 10136 G H



C_8H_{10}

1,3-Dimethylbenzene.

AI3-08916; Benzene, 1,3-dimethyl-; Benzene, m-dimethyl-; CCRIS 907; 1,3-Dimethylbenzene EINECS 203-576-3; m-Dimethylbenzene; HSDB 135; m-Methyltoluene; NSC 61769; m-Xylene; 1,3-Xylene; 3-Xylene; m-Xylol; UN1307; Xylene, m-. Solvent and raw material for preparation of organic compounds. Mobile liquid; mp = -47.8°; bp = 139.1°; d^{20} = 0.8642; λ_m = 265 nm (cyclohexane); insoluble in H_2O, soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, petroleum ether.

4113 o-Xylene

95-47-6 10136 G H

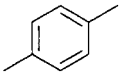
C_8H_{10}

Benzene, 1,2-dimethyl-.

AI3-08197; Benzene, 1,2-dimethyl-; Benzene, o-di-methyl-; CCRIS 905; o-Dimethylbenzene; EINECS 202-422-2; HSDB 134; o-Methyltoluene; NSC 60920; UN1307; Xylene, o-; o-Xylene; o-Xylol. Solvent and raw material for preparation of organic compounds. mp = -25.2°; bp= 144.5°; d;ss10 = 0.8802; λ_m = 262, 270 nm (ε = 254, 211, MeOH); insoluble in H_2O, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, CCl_4, petroleum ether.

4114 p-Xylene

106-42-3 10136 G H



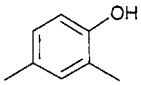
C_8H_{10}

1,4-Dimethylbenzene.

AI3-52255; Benzene, 1,4-dimethyl-; Benzene, p-di-methyl-; CCRIS 910; Chromar; 1,4-Dimethylbenzene; EINECS 203-396-5; HSDB 136; p-Methyltoluene; NSC 72419; Scintillar; UN1307; Xylene, p-; p-Xylene; 1,4-Xylene; 4-Xylene; p-Xylol. Solvent and raw material for preparation of organic compounds. Mobile liquid; mp = 13.2°, bp = 138.3°; d^{20} = 0.8611; λ_m = 212, 275 nm (cyclohexane); insoluble in H_2O, slightly soluble in $CHCl_3$, freely soluble in EtOH, Et_2O, Me_2CO, C_6H_6, petroleum ether.

4115 Xylenol

105-67-9 P



$C_8H_{10}O$

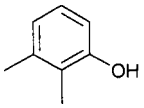
2,4-Dimethylphenol.

4-06-00-03126 (Beilstein Handbook Reference); AI3-17612; Bacticin; Benzene, 2,4-dimethyl-1-hydroxy-; BRN 0636244; Bulk Lysol Brand Disinfectant; Caswell No. 907A; CCRIS 72[1]; Dimethylphenol, 2,4-; 2,4-Dimethyl-phenol; 2,4-DMP; 4,6-Dimethylphenol; Du Cor Concen-trated Fly Insecticide; EPA Pesticide Chemical Code 086804; Gable-Tite Light Creosote (Creola); Gable-Tite Dark Creosote (Creola); Gallex; HSDB 4253; 1-Hydroxy-2,4-Dimethylbenzene; 4-Hydroxy-1,3-dimethylbenzene; 4-hydroxy-m-xylene; Lysol Brand disinfectant; NSC 3829; Phenol, 2,4-dimethyl-; RCRA waste number U101; asym-o-xylenol; m-Xylenol; 2,4-Xylenol . Registered by EPA as an antimicrobial and fungicide. When formulated with m-cresol, xylenol has bacteriostatic activity against the causal agents of crown gall and olive knot on fruit, ornamental and shade trees and ornamental woody shrubs and vines and control of the genetic/physiological disorder, burr knot, on apples. The pesticide product that contains these two active ingredients, Gallex, is a ready-to-use liquid that is brushed or painted onto the infected areas of trees and ornamentals. Treatments may be made every 4 to 6 months, or about twice a year. Although usage data are not available, EPA assumes that the volume of use is relatively low. Crystals; mp = 24.5°; bp= 210.9°; d^{20} = 0.9650; λ_m = 292 nm (MeOH); slightly soluble in H_2O, soluble in CCl_4, freely soluble in EtOH, Et_2O; LD_{50} (rat orl) = 3200 mg/kg, LD_{50} (mus orl) =

809 mg/kg.

4116 o-Xylenol

526-75-0 H



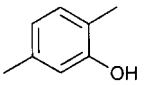
$C_8H_{10}O$

2,3-Dimethylphenol.

4-06-00-03096 (Beilstein Handbook Reference); Benz-ene, 1,2-dimethyl-3-hydroxy-; BRN 1906267; 2,3-Di-methylphenol; EINECS 208-395-3; HSDB 5676; 1-Hydroxy-2,3-dimethylbenzene; NSC 62011; Phenol, 2,3-dimethyl-; 2,3-Xylenol; o-3-Xylenol; o-Xylenol; vic-o-Xylenol; Xyellenol 100. Liquid; mp = 72.8°; bp = 216.9°; λ_m = 273 nm (ε = 1445, MeOH), 269, 273, 278 nm (ε = 1380, 1413, 1549, C_6H_{14}), 280 nm (ε = 1549, cyclohexane); slightly soluble in H_2O, soluble in EtOH, Et_2O.

4117 2,5-Xylenol

95-87-4 H



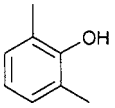
$C_8H_{10}O$

Phenol, 2,5-dimethyl-.

4-06-00-03164 (Beilstein Handbook Reference); AI3-01551; BRN 1099260; CCRIS 722; EINECS 202-461-5; FEMA No. 3595; HSDB 5296; 6-Methyl-m-cresol; NSC 2599; Phenol, 2,5-dimethyl-; p-Xylenol. Needles or prisms; mp = 74.8°; bp = 211.1; λ_m = 276 nm (ε = 1810, MeOH); very soluble in Et_2O, soluble in H_2O, EtOH, poorly soluble in $CHCl_3$.

4118 2,6-Xylenol

576-26-1 H



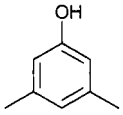
$C_8H_{10}O$

2,6-Dimethylphenol.

AI3-08524; Dimethylphenol, 2,6-; 2,6-Dimethylphenol; 2,6-Dmp; EINECS 209-400-1; FEMA No. 3249; HSDB 5697; 1-Hydroxy-2,6-dimethylbenzene; 2-Hydroxy-1,3-dimethylbenzene; NSC 2123; Phenol, 2,6-dimethyl-; Vic-m-xylenol; Xylenol 235; 2,6-Xylenol. Leaflets or needles; mp = 45.7°; bp = 201°, λ_m = 272 nm (ε = 1480, MeOH), 240, 278 nm (ε = 1800, 1560, MeOH-KOH); soluble in H_2O, EtOH, Et_2O, CCl_4.

4119 3,5-Xylenol

108-68-9 H



$C_8H_{10}O$

1-Hydroxy-3,5-dimethylbenzene.

AI3-01553; Benzene, 1,3-dimethyl-5-hydroxy-; CCRIS 724; 3,5-Dimethylphenol; 3,5-Dmp; EINECS 203-606-5; HSDB 5385; 1-Hydroxy-3,5-dimethylbenzene; NSC 9268; Phenol, 3,5-dimethyl-; Sym-m-xylenol; Xylenol 200; 1,3,5-Xylenol; 3,5-Xylenol. Needles; mp = 63.6°; bp = 221.7°; d^{20} = 0.9680; λ_m = 203, 276, 282 nm (MeOH); soluble in H_2O, EtOH, CCl_4.

4120 Xylidine

1300-73-8 10139 H

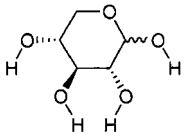
$C_8H_{11}N$

Dimethylaminobenzene.

AI3-24178-X (USDA); Aminodimethylbenzene; Dimethylaminobenzene; Dimethylaniline; Dimethylphenylamine; EINECS 215-091-4; HSDB 6464; UN1711; Xilidine; Xylidine; Xylidine (mixed isomers); Xylidine isomers; Xylidine mixed ortho-meta-para isomers; Xylidinen; Xylidines. Liquid; d = 0.97-0.99; bp = 213-226°; slightly soluble in H_2O, soluble in EtOH, acids.

4121 Xylose

58-86-6 10142 D G



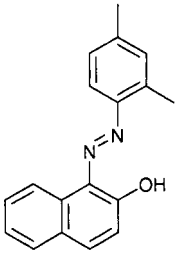
$C_5H_{10}O_5$

D-(+)-xylose.

4-01-00-04223 (Beilstein Handbook Reference); AI3-19010; BRN 1562108; CCRIS 1899; EINECS 200-400-7; FEMA No. 3606; HSDB 3273; NSC 122762; 2,3,4,5-Tetrahydroxypentanal; Wood sugar; Xylo-Med; Xylo-Pfan; Xylose; (+)-Xylose; D-Xylose; Xylose, D-; Xylose, pure. Used in dyeing, tanning, diabetic food, source of ethanol. Crystals; mp = 144-145°; d^{20}_4 = 1.525; $[\alpha]_D^{20}$= 92° → 18.6° (c = 10, 16 hours); soluble in H_2O, EtOH. Et_2O, poorly soluble in non-polar organic solvents. *Am. Biorganics; Penta Mfg.; Sigma-Aldrich Fine Chem.*

4122 1-Xylylazo-2-naphthol

3118-97-6 G



$C_{18}H_{16}N_2O$

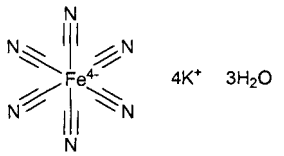
1-(2,4-Dimethylphenylazo)-2-naphthol.

A.F. Red No. 5; AI3-02853; Aizen Food Red No. 5; Brasilazina Oil Scarlet 6G; Brilliant Oil Scarlet B; C.I. 12140; C.I. Solvent Orange 7; Calco Oil Scarlet BL; CCRIS 906; Ceres Orange RR; Cerisol Scarlet G; Cerotinscharlach G; CI 12140; Color Index No: 12140; 1-(2,4-Dimethylphenylazo)-2-naphthol; 1-((2,4-Dimethyl-phenyl)azo)-2-naphthalenol; EINECS 221-490-4; Ext D & C Red No. 14; Extract D and C Red No. 14; Fast Oil Orange II; Fat Red (yellowish); Fat Scarlet 2G; FD & C No. 32; Fettorange B; Grasan Orange 3R; HSDB

6365; Japan Red 5; Japan Red 505; Lacquer Orange VR; Motirot G; 2-Naphthalenol, 1-{(2,4-dimethyl-phenyl)azo)-; 2-Naphthol, 1-(2,4-xylylazo)-; NSC 10457; Oil Orange 2R; Oil Orange KB; Oil Orange N Extra; Oil Orange R; Oil Orange X; Oil Orange XO; Oil Red GRO; Oil Red RO; Oil Red XO; Oil Scarlet; Oil Scarlet 371; Oil Scarlet 6G; Oil Scarlet APYO; Oil Scarlet BL; Oil Scarlet L; Oil Scarlet Y; Oil Scarlet YS; Orange Insoluble RR; Orange oil KB; Oranz rozpoustedlova 7; Ponceau insoluble olg; Pyronalrot R; Red B; Red No. 5; Resin Scarlet 2R; Resoform Orange R; Rot B; Rot GG fettloeslich; Solvent Orange 7; Somalia Orange 2R; Somalia Orange A2R; Sudan ax; Sudan II; Sudan Orange; Sudan Orange RPA; Sudan Red; Sudan Scarlet 6G; Sudan X; Waxakol vermilion; Waxakol vermilion L; 1-(2,4-Xylylazo)-2-naphthol; 1-(o-Xylylazo)-2-naphthol. Used for coloring oils and varnishes. Red needles; mp = 166°; very soluble in EtOH, Et_2O.

4123 Yellow prussiate of potash

14459-95-1 G



$C_6FeK_4N_6.3H_2O$

Potassium ferrocyanide trihydrate.

Ferrate(4-), hexakis(cyano-C)-, tetrapotassium, trihydrate, (OC-6-11)-; Ferro prussiate of potassium; Potassium ferricyanide trihydrate; Potassium ferrocyanide; potassium hexkis(cyano-C)ferrate(4-) trihydrate; potassium hexa-cyanoferrate(II); Anhydrous form, RN 13943-58-3. Used for tempering steel, engraving, and as a laboratory reagent. Yellow crystals; d = 1.85.

4124 Ytterbium

7440-64-4 10160 G

Yb

Yb

Ytterbium.

EINECS 231-173-2; Ytterbium. Metallic element, valencies 2 and 3; used in lasers, dopant for garnets, portable x-ray source, chemical research. Metal; d = 6.977; has face-centered or body-centered cubic structure. *Atomergic Chemetals; Cerac; Rhône-Poulenc; Sigma-Aldrich Fine Chem.*

4125 Ytterbium oxide

1314-37-0 G

O_3Yb_2

Ytterbium(III) oxide.

EINECS 215-234-0; Ytterbium (III) oxide; Ytterbium oxide; Ytterbium oxide (Yb_2O_3). Used in special alloys, dielectric ceramics, carbon rods for industrial lighting, catalyst, and special glasses. Solid; soluble in dilute acids. *Atomergic Chemetals; Noah Chem.; Rhône-Poulenc.*

4126 Yttrium

7440-65-5 10161 G

Y

Y

Yttrium.

EINECS 231-174-8; Yttrium; Yttrium-89. Metallic element; nuclear technology, iron and other alloys, deoxidizer for vanadium and other nonferrous metals, microwave ferrites, coating on high-temperature alloys, and special semiconductors. Metal; mp = 1509°; bp ≅ 3000°; d = 4.472. *Atomergic Chemetals; Cerac; Noah Chem.; Rhône-Poulenc.*

4127 Yttrium oxide

1314-36-9 G

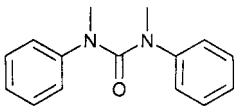
O_3Y_2

Yttrium(III) oxide.

Diyttrium trioxide; EINECS 215-233-5; YO 3-245; Yttria; Yttrium oxide; Yttrium oxide (Y_2O_3); Yttrium sesquioxide; Yttrium trioxide; Yttrium(3+) oxide. Phosphors for color TV tubes, yttrium-iron garnets for microwave filters, stabilizer for high-temperature service materials. Powder; d = 5.03; LD_{50} (rat ip) = 500 mg/kg. *Atomergic Chemetals; New Metals & Chems. Ltd; Noah Chem.; Rhône-Poulenc; Shin-Etsu Chem.*

4128 Zentralin

611-92-7 G



$C_{15}H_{16}N_2O$

1,3-Dimethyl-1,3-diphenylurea.

4-12-00-00839 (Beilstein Handbook Reference); BRN 2126077; Carbanilide, N,N'-dimethyl-; Centralit II; Centralite-2; Centralite II; 1,3-Dimethyl-1,3-diphenylurea; EINECS 210-283-4; Methyl centralite; N,N'-Dimethyl carbanilide; N,N'-Dimethylcarbanilide; N,N'-Dimethyl-N,N'-diphenylurea; NSC 59781; Urea, N,N'-dimethyl-N,N'-diphenyl-; Zentralit I; Zentralit II. Used for explosives. Plates; mp = 122°; bp = 350°; λ_m = 243 nm (ε = 9270, MeOH); slightly soluble in Et_2O, C_6H_6, CS_2, very soluble in H_2O, EtOH, Me_2CO, $CHCl_3$.

4129 Zinc

7440-66-6 10180 G P

Zn

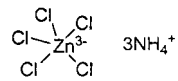
Zn

Zinc.

Asarco L 15; Blue powder; CCRIS 1582; EINECS 231-175-3; Emanay zinc dust; Granular zinc; HSDB 1344; Jasad; Lead refinery vacuum zinc; LS 2; LS 6; Merrillite; Rheinzink; UN1435; UN1436; Zinc; Zinc (dust or fume); Zinc (fume or dust); Zinc (metallic); Zinc ashes; Zinc dust; Zinc, elemental; Zinc powder; Zinc powder or zinc dust. Metallic element; Zn; alloys, galvanizing iron and other metals, and fungicides. Registered by EPA as an antimicrobial, fungicide and herbicide. Used as a micronutrient fertilizer. Metal; mp = 419.5°; bp = 908°; d^{25} = 7.14. *Cerac; Cuproquim Corp.; Ferro/Bedford; Pasminco Europe; Sigma-Aldrich Fine Chem.; Zinc Corp. of Am.*

4130 Zinc ammonium chloride

14639-98-6 543 G



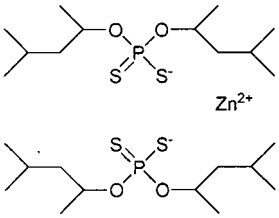
$Cl_5H_{12}N_3Zn$

Ammonium pentachlorozincate.

Ammonium pentachlorozincate; EINECS 238-688-1; Triammonium pentachlorozincate(3-); Zinc ammonium chloride; Zincate(3-), pentachloro-, triammonium. Used in welding and soldering flux, in dry batteries and galvanizing. Bipyramidal crystals; sublimes 340°; d

= 1.81; very soluble in H_2O. *Blythe, Williams Ltd.; DuPont.*

4131 Zinc O,O-bis(1,3-dimethylbutyl)dithio-phosphate
2215-35-2 H

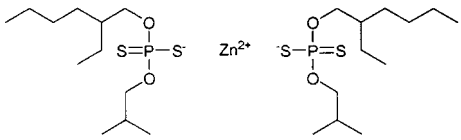


$C_{24}H_{52}O_4P_2S_4Zn$
Phosphorodithioic acid, O,O-bis(1,3-dimethylbutyl) ester, zinc salt.
EINECS 218-679-9; Phosphorodithioic acid, O,O-bis(1,3-dimethylbutyl) ester, zinc salt; Zinc O,O-Bis(1,3-dimethylbutyl)dithiophosphate; Zinc O,O,O',O'-tetrakis-(1,3-dimethylbutyl) bis(phosphorodithioate).

4132 Zinc bis(bis(dodecylphenyl)) bis(dithio-phosphate)
54261-67-5 H

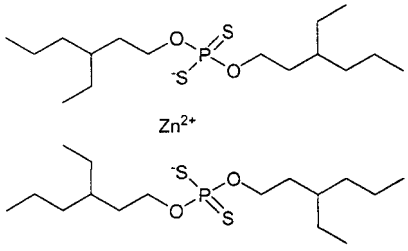
$C_{72}H_{116}O_4P_2S_4Zn$
Phenol, dodecyl-, hydrogen phosphorodithioate, zinc salt.
EINECS 259-048-8; Phenol, dodecyl-, hydrogen phosphorodithioate, zinc salt; Phosphorodithioic acid, O,O-bis(dodecylphenyl) ester, zinc salt; Zinc bis(bis-(dodecylphenyl)) bis(dithiophosphate); Zinc, bis(O,O-bis(dodecylphenyl) phosphorodithioato-S,S')-.

4133 Zinc bis(O-(2-ethylhexyl)) bis(O-(isobutyl)) bis(dithiophosphate)
26566-95-0 H



$C_{24}H_{52}O_4P_2S_4Zn$
Phosphorodithioic acid, O-(2-ethylhexyl) O-isobutyl ester, zinc salt.
EINECS 247-810-2; Phosphorodithioic acid, O-(2-ethylhexyl) O-isobutyl ester, zinc salt; Zinc, bis(O-(2-ethylhexyl) O-(2-methylpropyl) phosphorodithioato-kappaS,kappaS')-, (T-4)-; Zinc bis(O-(2-ethylhexyl)) bis(O-(isobutyl)) bis(dithiophosphate); Zinc, bis(O-(2-ethylhexyl) O-(2-methylpropyl) phosphorodithioato-S,S')-, (β-4)-.

4134 Zinc bis(O,O-bis(2-ethylhexyl)) bis(dithio-phosphate)
4259-15-8 H



$C_{32}H_{68}O_4P_2S_4Zn$
Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester, zinc salt.
EINECS 224-235-5; Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester, zinc salt; Zinc bis(O,O-bis(2-ethyl-hexyl)) bis(dithiophosphate).

4135 Zinc borate
1332-07-6 D G P

Zinc(II) borate.
Alcanex FR 100; Alcanex FRC 600; Bonrex FC; Borax 2335; Boric acid, zinc salt; Climax ZB 467; EINECS 215-566-6; EPA Pesticide Chemical Code 128859; Firebrake ZB; Firebrake ZB 500; Flamtard Z 10; FRC 600; HSDB 1046; JS 9502; SZB 2335; XPI 187; ZB 112; ZB 237; ZB 467 Lite; Zinc borate; ZN 100; ZSB 2335; ZT; ZT (fire retardant). Medicine, fireproofing textiles, fungistat, mildew inhibitor. Zinc Borate 2335 (Borax Consolidated Ltd) is a specialty flame retardant additive to plasticized PVC and other polymers to reduce afterglow and smoke. Solid; mp = 980°; d = 3.64; insoluble in H_2O, slightly soluble in dilute acids. *BA Chem. Ltd.; Borax Consolidated Ltd; Borax Europe Ltd; Climax Performance; U.S. Borax.*

4136 Zinc borate
12447-61-9 G

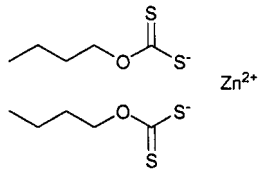
$$2BH_3 \quad 2O^{2-} \quad 2Zn^{2+} \quad 15H_2O$$

$B_6O_{11}Zn_2.xH_2O$
Boron zinc oxide.
Boric acid ($H_4B_6O_{11}$), zinc salt (1:2), hydrate; Boron zinc oxide ($B_6Zn_2O_{11}$), hydrate (2:15); Caswell No. 909B; EPA Pesticide Chemical Code 128859; Firebrake ZB; ZB2335; Zinc borate. Zinc borate for flame retardancy. *Borax Europe Ltd.*

4137 Zinc bromide
7699-45-8 10182 G

Br_2Zn
Zinc bromide anhydrous.
EINECS 231-718-4; HSDB 1047; Zinc bromide; Zinc bromide ($ZnBr_2$); Zinc dibromide. Used in photographic emulsions, manufacture of rayon, radiation viewing shields. Crystals; mp = 394°; bp = 697°; d = 4.22; soluble in H_2O, organic solvents. *Atomergic Chemetals; Cerac; Ethyl Corp.; Great Lakes Fine Chem.; Hoechst Celanese; Ryvan Ltd.*

4138 Zinc butyl xanthate
150-88-9 G

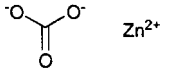


$C_{10}H_{18}O_2S_4Zn$
Carbonodithioic acid, O-butyl ester, zinc salt.
O-Butyl hydrogen dithiocarbonate, zinc salt; Butylxanth-ate, zinc salt; Butylxanthogenic acid zinc salt; Carbonic acid, dithio-, O-butyl ester, zinc salt; EINECS 205-777-1; Nocceler ZBX; NSC 402837; Vulcaid 27; Zinc, bis(O-butyl carbonodithioato-S,S')-, (T-4)-; Zinc butyl xanthate; Zinc butylxanthate; Zinc, bis(o-butyl carbonodithioato-S,S')-, (t-4)-; Zinc O-butyldithio-carbonate. A rubber

vulcanization accelerator.

4139 Zinc carbonate

3486-35-9 10184 D G



CO_3Zn

Carbonic acid, zinc salt (1:1).

Akrochem® 9930 Zinc Oxide Transparent; Carbonic acid, zinc salt (1:1); CI 77950; EINECS 222-477-6; HSDB 1048; Natural smithsonite; Zinc carbonate; Zinc carbonate (1:1); Zinc monocarbonate; Zincspar. Accelerator-activator for transparent natural and synthetic rubber goods, adhesives; as pigment; fireproofing filler for rubber and plastics; topical antiseptics, cosmetics, and lotions. Used medically as an astringent. Solid; mp = 168°; d = 4.3980; poorly soluble in H_2O (0.001 g/100 ml at 15°), soluble in dilute mineral acid, alkali. *Akrochem Chem. Co.; Allchem Ind.; Harcros Durham; Nihon Kagaku Sangyo; Spectrum Chem. Manufacturing.*

4140 Zinc chloride

7646-85-7 10185 D G P

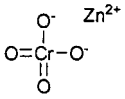
Cl_2Zn

Hydrochloric acid zinc salt.

AI3-04470; Butter of zinc; Caswell No. 910; CCRIS 3509; Chlorure de zinc; EINECS 231-592-0; EPA Pesticide Chemical Code 087801; HSDB 1050; NSC 529648; UN1840; UN2331; Zinc (chlorure de); Zinc butter; Zinc chloride; Zinc chloride ($ZnCl_2$); Zinc chloride, anhydrous; Zinc chloride fume; Zinc chloride, solution; Zinc dichloride; Zinc(II) chloride; Zinco (cloruro di); Zine dichloride; Zinkchlorid; Zinkchloride; Zintrace. Catalyst, dehydrating and condensing agent in organic synthesis, fireproofing, preserving food, electroplating, antiseptic denaturant for alcohol. An astringent and dentin desens-itizer. Used with chelating agents to form solutions of zinc that are biologically available to plants and animals. Also used in specialty corrosion inhibitors in cooling towers, potable water, and in gas and oil wells. Registered by EPA as an antimicrobial, fungicide and herbicide. White solid; mp =290°; bp = 732°; d^{25} = 2.907; soluble in H_2O (432 g/100 g), less soluble in organic solvents; LD_{50} (rat iv) = 60-90 mg/kg. *Allied Signal; Armour Pharm. Co. Ltd.; Blythe, Williams Ltd.; Elf Atochem N. Am.; EM Ind. Inc.; Mallinckrodt Inc.*

4141 Zinc chromate

13530-65-9 10186 G



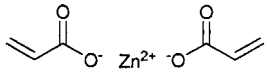
$O_4CrZn_2.H_2O$

Zinc chromate(VI) hydroxide.

Basic zinc chromate; Buttercup Yellow; C.I. 77955; CCRIS 7569; Chromic acid (H_2CrO_4), zinc salt (1:1); Chromic acid, zinc salt; Chromic acid, zinc salt (1:1); Chromium zinc oxide ($ZrCrO_4$); CI 77955; EINECS 236-878-9; HSDB 6188; Pigment Yellow 36; Zinc chromate; Zinc chromate AM; Zinc chromate C; Zinc chromate O; Zinc chromate T; Zinc chromate Z; Zinc chromate(VI) hydroxide; Zinc chrome; Zinc chrome (anti-corrosion); Zinc Chrome Yellow; Zinc chromium oxide ($ZrCrO_4$); Zinc hydroxychromate; Zinc tetraoxychromate; Zinc tetraoxychromate 76A; Zinc tetraoxychromate 780B; Zinc tetroxychromate; Zinc yellow; Zincro ZTO. Used as a yellow pigment in paints, varnishes, oil colors, linoleum, rubber etc. [hydrate]; fine yellow powder; slightly soluble in H_2O. *Landers-Segal Color.*

4142 Zinc diacrylate

14643-87-9 H



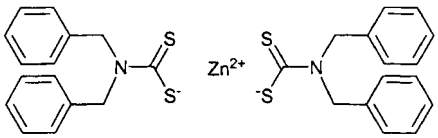
$C_6H_6O_4Zn$

2-Propenoic acid, zinc salt.

Acrylic acid, zinc salt; Ageflex ZDA; EINECS 238-692-3; 2-Propenoic acid, zinc salt; Zinc acrylate; Zinc diacrylate. Crosslinker for molded polybutadiene compounds, conductive and protective coatings, coagent for SBR compounds and reactive pigments; activator for rubber compounding; scorch retarder. *Rit-Chem.*

4143 Zinc dibenzyldithiocarbamate

14726-36-4 G



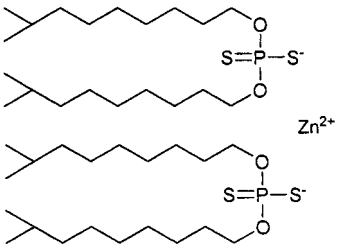
$C_{30}H_{28}N_2S_4Zn$

Zinc bis(dibenzyldithiocarbamate).

Akrochem® Z.B.E.D; Arazate®; (T-4)-Bis(bis(phenyl-methyl)carbamodithioato-S,S')zinc; Dibenzyldithiocarb-amic acid, zinc salt; EINECS 238-778-0; Naftocit® ZBEC; Octocure ZBZ-50; Perkacit® ZBEC; Vulkacit ZBEC; ZBeDC; Zinc, bis(bis(phenylmethyl)carbamodithioato-S,S')-, (β-4)-; Zinc bis(dibenzyldithiocarbamate); Zinc dibenzyldithiocarbamate. Accelerator for rubber, latex dispersions, cements; nondiscoloring and nonstaining. Solid; mp = 186°; insoluble in H_2O, Me_2CO, gasoline, soluble in C_6H_6, ethylene dichloride. *Akrochem Chem. Co.; Akzo Chemie; Uniroyal.*

4144 Zinc O,O-diisodecyl dithiophosphate

25103-54-2 H



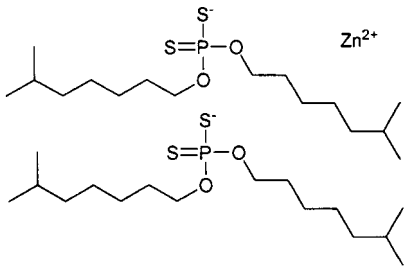
$C_{40}H_{84}O_4P_2S_4Zn$

Phosphorodithioic acid, O,O-diisodecyl ester, zinc salt.

EINECS 246-618-6; Elco 106; HSDB 6158; Isodecanol, hydrogen phosphorodithioate, zinc salt; Isodecyl ZDDP; Phosphorodithioic acid, O,O-diisodecyl ester, zinc salt; Zdtp; Zinc, bis(O,O-diisodecyl phosphorodithioato-S,S')-; Zinc isodecyl phosphorodithioate; Zinc O,O-bisisodecyl dithiophosphate; Zinc O,O-Diisodecyl dithiophosphate.

4145 Zinc diisooctyl dithiophosphate

28629-66-5 H



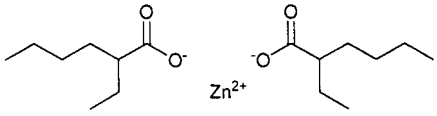
$C_{32}H_{68}O_4P_2S_4Zn$

Phosphorodithioic acid, O,O-diisooctyl ester, zinc salt.

Dithiophosphoric acid, O,O'-diisooctyl ester, zinc salt; EINECS 249-109-7; HSDB 6161; Isooctyl ZDDP; Oronite; Phosphorodithioic acid, O,O-diisooctyl ester, zinc salt; Zinc bis(diisooctyl dithiophosphate); Zinc, bis(O,O-diiso-octyl phosphorodithioato-S,S')-; Zinc bis(O,O-diisooctyl) bis(dithiophosphate); Zinc diisooctyl dithiophosphate; Zinc O,O-diisooctyl dithiophosphate.

4146 Zinc 2-ethylhexanoate

136-53-8 G H



$C_{16}H_{32}O_4Zn$

Zinc bis(2-ethylhexanoate).

EINECS 205-251-1; Hexanoic acid, 2-ethyl-, zinc salt; Octoate Z; Zinc 2-ethylhexoate; Zinc bis(2-ethyl-hexanoate). Rubber activator used in soluble cure systems in place of stearic acid and partial replacement of zinc oxide for natural and synthetic rubbers. *Vanderbilt R.T. Co. Inc.*

4147 Zinc fluoride

7783-49-5 10189 G

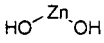
F_2Zn

Hydrofluoric acid zinc salt.

EINECS 232-001-9; HSDB 1052; Zinc difluoride; Zinc fluoride; Zinc fluoride (ZnF_2); Zinc fluorure. Used in phosphors, ceramic glazes, as a wood preservative, in electroplating and organic fluorination. Solid; mp = 872°; bp = 1500°; d^{25} = 5.00; anhydrous form is poorly soluble in H_2O. *Atomergic Chemetals; Cerac; Elf Atochem N. Am.; Hoechst Celanese; Noah Chem.*

4148 Zinc hydroxide

20427-58-1 G



H_2O_2Zn

Zinc dihydroxide.

Caswell No. 916; Collozine; Colloidal zinc hydroxide; EINECS 243-814-3; EPA Pesticide Chemical Code 088501; Zinc dihydroxide; Zinc hydroxide; Zinc hydroxide ($Zn(OH)_2$). White solid; d = 3.050.

4149 Zinc hydroxystannate

12027-96-2 G

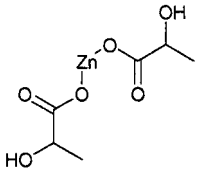
$ZnSn(OH)_6$

Stannate ($Sn(OH)_6^{2-}$), zinc (1:1), (OC-6-11)-.

Flamtard H. Flame retardant for PVC, polychloroprene, chlorosulfonated polyethylene, other halopolymers. White powder; d = 3.4; dec 180°; soluble in strong acids and bases; LD_{50} (rat orl) > 5000 mg/kg, (rat der) > 2466 mg/kg. *Alcan Chem.; Atomergic Chemetals; Blythe, Williams Ltd.; Joseph Storey.*

4150 Zinc lactate

16039-53-5 10195 G



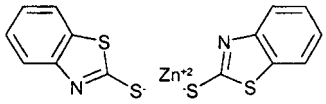
$C_6H_{10}O_6Zn$

Lactic acid zinc salt.

EINECS 240-178-9; Zinc dilactate; Zinc lactate. White solid; soluble in H_2O (2%). *Patco.*

4151 Zinc 2-mercaptobenzothiazolate

155-04-4 G P



$C_{14}H_8N_2S_4Zn$

2(3H)-Benzothiazolethione, zinc salt.

Bantex; Bis(2-benzothiazolylthio)zinc; Caswell No. 917; EINECS 205-840-3; EPA Pesticide Chemical Code 051705; Hermat Zn-mbt; HSDB 5419; Mercaptobenzo-thiazole zinc salt; Octocure ZMBT-50; OXAF; Pennac ZT; Perkacit® ZMBT; Tisperse MB-58; USAF GY-7; Vulkacit® Merkapto/MGC; Vulkacit® ZM; Zenite; Zenite special; Zetax®; Zinc 2-benzothiazolethiolate; Zinc 2-mercapto-benzothiazole; ZMBT; ZnMB. A medium temperature accelerator widely used in latex compounding; also used in proofing, wire and druggist sundries where fast curing and a minimum of odor are required. Also used as a fungicide. Registered by EPA as an antimicrobial and fungicide (cancelled). Used in the form of a soluble concentrate or liquid and wettable powder to control mold, mildew, bacteria and fungi which degrade aqueous industrial products, fabrics, and yarns; and slime-forming bacteria and fungi in industrial water systems. There are no registered food uses for either the sodium or zinc salts of 2-mercaptobenzothiazole. Solid; d^{25} = 1.70.

4152 Zinc naphthenate

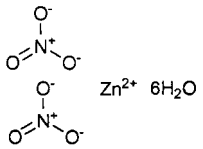
12001-85-3 G P

Naphthenic acid, zinc salt.

CCRIS 1171; EINECS 234-409-2; Naphtenate de zinc; Naphthenic acids, zinc salts; Zinc naphthenate; Zinc uversol; Zinc Uversol Fungicide . Drier and wetting agent in paints, varnishes, resins; insecticide, fungicide, mildew preventive; wood preservative; waterproofing textiles; and insulating materials. Fungicide. Registered by EPA as a fungicide, herbicide and insecticide. Solid; d = 0.962; flash point = 135°F. *Generic; Green Products Co.; Jasco Chemical Corp.; Lanco Manufacturing Corp.; Mobile Paint Manufacturing Co. Inc.; OMG Americas Inc.; Sherwin-Williams Co.*

4153 Zinc nitrate

10196-18-6 G



$N_2O_6Zn.6H_2O$

Zinc nitrate hexahydrate.

Dusicnan zinecnaty; Nitric acid, zinc salt, hexahydrate; Zinc nitrate hexahydrate; Zinc(II) nitrate, hexahydrate (1:2:6). Acidic catalyst, latex coagulant, reagent, intermediate, mordant. Crystals; mp = 36°; d= 2.065; soluble in water (50%), alcohol. *Blythe, Williams Ltd.; Mallinckrodt Inc.; Nihon Kagaku Sangyo.*

4154 Zinc oxide

1314-13-2 10200 G P

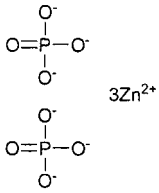
Ozn

Zinc(II) oxide.

A&D Medicated Ointment; Activox; Activox B; Actox 14; Actox 16; Actox 216; AI3-00277; Akro-zinc bar 90; Akro-zinc bar 85; Amalox; Azo 22; Azo-33; Azo-55; Azo-55TT; Azo-66; Azo-66TT; Azo-77; Azo-77TT; Azodox; Azodox-55; Azodox-55TT; Blanc de Zinc; C-Weiss 8; C.I. 77947; C.I. Pigment White 4; Cadox XX 78; Caswell No. 920; CCRIS 1309; Chinese White; CI 77947; CI Pigment white 4; Cynku tlenek; Dome Paste Bandage; EINECS 215-222-5; Electox 2500; Electrox 2500; Emanay zinc oxide; EMAR; EPA Pesticide Chemical Code 088502; Felling zinc oxide; Flores de zinci; Flowers of zinc; GIAP 10; Green seal-8; HSDB 5024; Hubbuck's White; K-Zinc; Kadox 15; Kadox-25; Kadox 72; Ken-Zinc®; No-Genol; Nogenol; Outmine; Ozide; Ozlo; Permanent White; Philosopher's wool; Pigment white 4; Powder base 900; Protox type 166; Protox type 167; Protox type 168; Protox type 169; Protox type 267; Protox type 268; Red Seal 9; RVPaque; Snow White; Supertah; Unichem ZO; Vandem VAC; Vandem VOC; Vandem VPC; White seal-7; XX 78; XX 203; XX 601; Zinc gelatin; Zinc monoxide; Zinc oxide; Zinc oxide (ZnO); Zinc White; Zinca 20; Zinci Oxicum; Zinci Oxydum; Zincite; Zincoid; Zincum Oxydatum; Zinkoxyd Activ®; Zinox; Ziradryl; Zn 0701T; Chinese white; zinc white; Tertiary zinc oxide; Zinc Oxide No. 185; Zinc Oxide No. 318. UV absorber; accelerator activator in elastomer compounding; flame retardant; pigment in white paints, cosmetics, driers, dental cements; mold inhibitor in paints; in manufacture of opaque glass, enamels, tires, printing inks, porcelains; reagent in analytical chemistry. Used as a flowable nutrient for rice seed dressing. Highly disperse precipitated zinc oxide is used as a vulcanization accelerator activator for rubber goods based on natural and synthetic elastomers and latex applications; suitable at high levels for dynamically stressed articles, e.g., buffers and rollers, and in low concentrations in transparent and translucent goods. Amorphous powder or crystals; odorless, bitter taste; mp = 1975°; d = 5.67; soluble in dilute acetic or mineral acids, alkalis, insoluble in H_2O, EtOH; pH 6.95 (American process); LD_{50} (rat orl) = 240 mg/kg. *Am. Chemet; Asarco; Bayer AG; Durham Chemicals Ltd.; Eagle Zinc; General Chem; Griffin LLC; Harcros Durham; Harcros; Kenrich Petrochem.; Mallinckrodt Inc.; Miles Inc.; Polysar; Zinc Corp. of Am.*

4155 Zinc phosphate

7779-90-0 10205 G



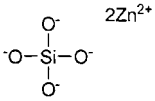
$O_8P_2Zn_3$

Phosphoric acid zinc salt.

704TVM; Bonderite 40; Bonderite 181; Bonderite 880; C.I. 77964; C.I. Pigment White 32; Delaphos; Delaphos 2M; EINECS 231-944-3; Fleck's Extraordinary Cement; Granodine 16NC; Granodine 80; Heucophos™ ZP 10; J 0852; LF Bowsei PW 2; LF-PW 2; Man-Gill 51339; Man-Gill 51355; Microphos 90; Neutral zinc phosphate; Phosphinox PZ 06; Phosphoric acid, zinc salt (2:3); Pigment White 32; Sicor ZNP/M; Sicor ZNP/S; Tribasic zinc phosphate; Trizinc bis(orthophosphate); Trizinc diphosphate; Virchem 931; Weather coat 1000; Zinc acid phosphate; Zinc orthophosphate; Zinc phosphate (3:2); Zinc phosphate cement; ZP-DL; ZP-SB; ZPF. Anticorrosive pigment for paints, particularly primer formulations; in flame retardant for plastics. Used in dental cements, phosphors. White powder; mp = 900°; d^{15} = 3.998; insoluble in H_2O, EtOH; soluble in dilute mineral acids, AcOH, ammonium hydroxide, alkali hydroxide solutions. *BASF Corp.; Calgon Carbon; CK Witco Chem. Corp.; Elf Atochem N. Am.; Halox Pigments; Hammonds Fuel Additives Inc.; Heucotech Ltd.; Landers-Segal Color; Lohmann; McGean-Rohco; Min. Pigments; National Chem.; Pasminco Europe; Sino-Am. Pigment Systems; Whitfield Chem. Ltd.*

4156 Zinc silicate

13597-65-4 10211 G



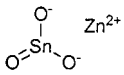
O_4SiZn_2

Zinc orthosilicate.

Dizinc orthosilicate; EINECS 237-057-8; Silicic acid (H_4SiO_4), zinc salt (1:2); Tornusil; Willemite; Zinc silicate. A proprietary two-pack moisture cured inorganic zinc silicate primer. Insoluble in H_2O. Coatings; Sigma.

4157 Zinc stannate

12036-37-2 G



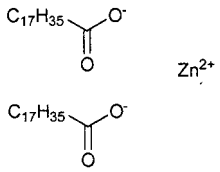
O_3SnZn

Zinc stannate.

Flamtard S; Tin zinc oxide ($SnZnO_3$). Flame retardant for PVC, polychloroprene, chlorosulfonated polyethylene, polypropylene, other halopolymers. White powder; d = 3.4; dec 180°; soluble in strong acids and bases; LD_{50} (rat orl) > 5000 mg/kg, (rat der) > 2466 mg/kg. *Alcan Chem.; Atomergic Chemetals; Blythe, Williams Ltd.; Joseph Storey.*

4158 Zinc stearate

557-05-1 10212 G H



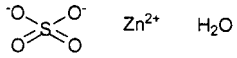
$C_{36}H_{70}O_4Zn$

Octadecanoic acid, zinc salt.

AI3-00388; Caswell No. 926; Coad; Dermarone; Dibasic zinc stearate; EINECS 209-151-9; EPA Pesticide Chemical Code 077002; HSDB 212; Hydense; Hytech; Mathe; Metallac; Metasap 576; NSC 25957; Octadecanoic acid, zinc salt; Petrac ZN-41; Stavinor ZN-E; Stearates; Stearic acid, zinc salt; Synpro stearate; Synpro stearate (VAN); Talculin Z; Unichem ZS; Witco Zinc Stearate USP; Zinc distearate; Zinc distearate, pure; Zinc octadecanoate; Zinc stearate; Zinc stearate W. S; Zn Stearate. Used in cosmetics, pharmaceuticals, lacquers, ointments, tablet manufacture; as a mold release agent for plastic; filler, antifoamer; as a flatting agent in lacquers; as a drying lubricant and dusting agent for rubber; waterproofing agent for concrete, paper and textiles. Solid; mp = 130°; insoluble in H_2O, EtOH, Et_2O, soluble in C_6H_6. *Akzo Chemie; Ferro/Grant; Magnesia GmbH; Mallinckrodt Inc.; Norac; Stave; Syn Prods.*

4159 Zinc sulfate

7446-19-7 10213 G P



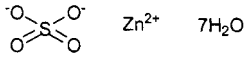
$ZnSO_4.2O$

Zinc sulfate, monohydyrate.

Sulfuric acid, zinc salt (1:1), monohydrate; Zinc sulfate monohydrate. Used in rayon manufacture, agricultural sprays, chemical intermediate, dyestuffs, electroplating. Registered by EPA as an antimicrobial, fungicide and herbicide. FDA GRAS, Japan approved with limitations, BP. Ph. Eur. compliance. Used in orals, eye lotions, astringents, styptics, gargle sprays and skin tonics. Used medicinally as an emetic. Crystals; soluble in H_2O, insoluble in EtOH. *Allchem Ind.; Blythe, Williams Ltd.; EM Ind. Inc.*

4160 Zinc sulfate

7446-20-0 10213 D G



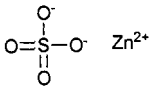
$O_4SZn.7H_2O$

Zinc sulfate heptahydrate.

CCRIS 5563; Op-Thal-Zin; Sulfuric acid, zinc salt (1:1), heptahydrate; VasoClear A; Verazinc; White vitriol (heptahydrate); Zinc sulfate; Zinc sulfate heptahydrate; Zinc sulfate (1:1) heptahydrate; Zinc sulfate ($ZnSO_4$) heptahydrate; Zinc vitriol (heptahydrate); Zincfrin; white copperas; zinc vitriol. Used in rayon, manufacture, dietary supplement, animal feeds, mordant, wood preservative, analytical reagent. Used as an astringent in ophthalmology. Electrolyte replenisher. Zinc supplement. Solid; mp = 40°; d = 1.9570. *Alcon Labs; Mallinckrodt Inc.; Sigma-Aldrich Fine Chem.*

4161 Zinc sulfate

7733-02-0 10213 D G P



O_4SZn

Zinc sulfate anhydrous .

AI3-03967; Bonazen; Bufopto zinc sulfate; Caswell No. 927; CCRIS 3664; Complexonat; EINECS 231-793-3; EPA Pesticide Chemical Code 089001; HSDB 1063; Medizinc; Neozin; NSC 32677; NSC 135806; NU-Z; OP-Thal-zin; Optised; Optraex; Orazinc; Phenylzin; Prefrin-Z; Solvezinc; Solvezink; Sulfate de zinc; Sulfuric acid, zinc salt; Sulfuric acid, zinc salt (1:1); Verazinc; Visine-ac; White copperas; White vitriol; Zinc-200; Zinc sulfate; Zinc sulfate (1:1); Zinc sulfate ($ZnSO_4$); Zinc sulphate; Zinc vitriol; Zincate; Zincfrin; Zinci Sulfas; Zincomed; Zincum Sulfuricum; Zink-Gro; Zinklet; Zinkosite. Used in rayon manufacture, in animal feeds, as a wood preservative and analytical reagent. Registered by EPA as an antimicrobial, fungicide and herbicide (cancelled). Electrolyte replenisher. Zinc supplement. Astringent. FDA GRAS, Japan approved with limitations, BP. Ph. Eur. Compliance. Used in orals, eye lotions, astringents, styptics, gargle sprays and skin tonics. Used medicinally as an emetic. Zinc Sulfate is the optimum source of zinc in animal feeds as the nutritional source of zinc due to its biological availability. Zinc is important in maintaining normal health and increased yields, especially in swine and poultry. Zinc Sulfate is also used in production of pigments, preservation and clarification of glue, in flame proofing compounds, as a mining flotation agent, in wood preservatives, in electro metallurgy and electro galvanizing. White solid.

4162 Zinc sulfide

1314-98-3 10214 G

$Zn{=}S$

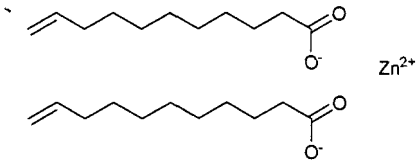
SZn

Zinc(II) sulfide.

Albalith; C.I. Pigment White 7; Cleartran; EINECS 215-251-3; HSDB 5802; Irtran 2; Pigment White 7; Sachtolith®; Sachtolith® HD-S; Spalerite; Sphalerite; Wurtzite; Zinc blende; Zinc monosulfide; Zinc sulfide; Zinc sulfide (ZnS); Zinc sulphide. White pigment; used in white and opaque glass, plastics, dyeing, paints, linoleum, leather, dental rubber; fungicide; anhydrous in x-ray screens, and TV screens. White-grey powder; insoluble in H_2O. *Cerac; Chemson GmbH; Noah Chem.; Ore & Chem.; Sachtleben Chemie GmbH.*

4163 Zinc undecenoate

557-08-4 9916 D E G



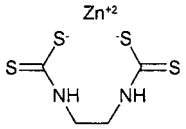
$C_{22}H_{38}O_4Zn$

zinc 10-undecenoate.

EINECS 209-155-0; Mycoseptin; NSC 402438; Tineafax; 10-Undecenoic acid, zinc salt; Zinc diundec-10-enoate; Zinc undecenoate; Zinc 10-undecenoate; Zinc undecyl-enate. Used as a base for ointments. Has antifungal activity. Solid; mp= 115-116°.

4164 Zineb

12122-67-7 10220 G P



$(C_4H_6N_2S_4Zn)_x$

[[1,2-Ethanediylbis[carbamodithioato]](2-)]zinc.

Aaphytora; Acuprex; Aphytora; Aspor; Asporum; Bercema; Blightox; Blizene; Bombardier; Carbadine; Carbamodithioic acid, 1,2-ethanediylbis-, zinc salt; Caswell No. 930; CCRIS 2503; CHEM zineb; Cineb; Clortocaffaro; Crittox; Crystal Zineb; Cynkotox; Daisen; Deikusol; Devizeb; Diiner; Dipher; Discon; Discon-Z; Dithane 65; Dithane Z; Dithane Z-78; Ditiamina; Ditiozin; EINECS 235-180-1; Enozin; ENT 14,874; EPA Pesticide Chemical Code 014506; Ethylenebis(dithio-carbamato)zinc; Fitodith 80; Fungo-pulvit; Funjeb; Hexaphane; Hexathane; HSDB 1787; Kupratsin; Kypzin; Lipotan; Lirotan; Lonacol; Micide; Micide 55; Novosir N; Novozin N 50; Novozir; Novozir N; Novozir N 50; NSC 49513; Pamosol 2 forte; Parzate; Parzate C; Parzate zineb; Permilan; Perosin; Perosin 75B; Perozin; Perozine; Perozine 75B; Phytox; Pilzol SZ; Polyram-Z; Sepineb; Shaughnessy Number 014506; Sperlox-Z; Taloberg; Tanazon; Thiodow; Thionic M; Tiazin; Tiezene; Tritoftorol; Tsineb; Unizeb; Zebenide; Zebtox; Zidan; Zidanit; Zinc, (ethylenebis(dithiocarbamato))-; Zincethyl-enebisdithiocarbamate; Zineb; Zineb 75; Zineb 75 WP; Zineb 80; Zineb-R; Zinebe; Zinosan; Zinugec; Zipar . A fungicide and insecticide. Foliar fungicide with protective action, insecticide. Repellent to birds and rodents. Used for control of fungi in fruits, vines, vegetables and ornamentals. Controls scab in apples and pears. Registered by EPA as a fungicide (cancelled). Pale yellow crystalline powder; dec 157°; sparingly soluble in H_2O (0.001 g/100 ml), soluble in C_5H_5N and CS_2, insoluble in other organic solvents; insoluble in organic solvents; LD_{50} (rat orl) > 5200 mg/kg, (rat der) > 6000 mg/kg; LC_{50} (perch) = 2 mg/l, (roach (6 - 8 mg/l); non-toxic to bees. *Agrimont; Bayer AG; Diachem; DuPont; Makhteshim Chemical Works Ltd.; Pennwalt Holland; Rhône-Poulenc; Rohm & Haas Co.; Visplant.*

4165 Zirconium boride

12045-64-6 G

B_2Zr

Zirconium diboride.

EINECS 234-963-5; Zirconium boride; Zirconium boride (ZrB_2); Zirconium diboride; Zirconium diboride (ZrB_2). Refractory for aircraft and rocket applications, thermocouple protection tubes, high-temp. electrical conductor, cutting-tool component, coating tantalum, cathode in high-temp. electrochemical systems; oxidation-resistant composites. *Atomergic Chemetals; Cerac; Noah Chem.*

4166 Zirconium fluoride

7783-64-4 10228 G

F_4Zr

Zirconium tetrafluoride.

EINECS 232-018-1; Zirconium fluoride; Zirconium fluoride (ZrF_4), (β-4)-; Zirconium tetrafluoride. Component of molten salts used in nuclear reactors. Solid; mp = 640°; bp = 905°; d^{16} ■ 4.6; LD_{50} (mus orl) = 98 mg/kg. *Atomergic Chemetals; Cerac; Elf Atochem N. Am.*

4167 Zirconium hydride

7704-99-6 10229 G

H_2Zr

Zirconium dihydride.

EINECS 231-727-3; UN1437; Zirconium hydride; Zirconium hydride (ZrH_2). Vacuum tube getter, powder metallurgy, source of hydrogen, metal-foaming agent, nuclear moderator, reducing agent, and hydrogenation catalyst. Stable, grey-black powder. *Atomergic Chemetals; Cerac; Degussa AG; Morton Intn'l.*

4168 Zirconium oxide

1314-23-4 10233 G P

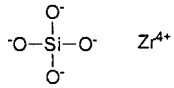
O_2Zr

Zirconium(IV) oxide.

AI3-29087; C.I. 77990; C.I. Pigment White 12; CAP (oxide); CC 10; CCRIS 6601; E 101; EINECS 215-227-2; Kontrastin; Nissan Zirconia Sol NZS 20A; Norton 9839; NSC 12958; Nyacol Zr (acetate); NZS 30A; PCS (filler); Pigment White 12; Rhuligel; S945; S975; S987; S992; S994; Torayceram Sol ZS-OA; TZ 3YTSK; ZD 100; Zedox; Zircoa 5027; Zirconia; Zirconic anhydride; Zirconium dioxide; Zirconium oxide (ZrO_2); Zirconium White; Zirox Zt 35; zirconic anhydride. Monoclinic zirconium dioxide with a zirconia content (including hafnia) of 94.5%, 97.5% or 98.7%, 99.2% or 99.4%; used for manufacture of ceramic pigments, welding fluxes and insulating material, in production of piezoelectric crystals, high-frequency induction coils, ceramic glazes, glasses, heat-resistant fibers; hydrous: odor absorbent, and poison ivy treatment. White monoclinic crystals; mp = 2680°; bp = 4300°; d = 5.85; insoluble in H_2O, soluble in mineral acids. *Atomergic Chemetals; Degussa-Hüls Corp.; Ferro/Transelco; Magnesium Elektron; Tam Ceramics; Zircar.*

4169 Zirconium silicate

10101-52-7 10234 G



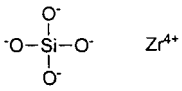
O_4SiZr

Zirconium orthosilicate.

A-PAX-SA; EINECS 233-252-7; Excelopax; Micro-Pax; Micro-Pax 20A; Micro-Pax SP; MZ 1000B; Oscal 1224; Silicic acid (H_4SiO_4), zirconium(4+) salt (1:1); Silicon zirconium oxide ($SiZrO_4$); Tam 418; Zircon; Zircon 30MY; Zirconium orthosilicate; Zirconium orthosilicate ($ZrSiO_4$); Zirconium silicate; Zirconium silicon oxide ($ZrSiO_4$); Zircosil; Zircosil 1. Used in refractories, cer-amics, cements and coatings for casting molds. Also in jewelry. Tetragonal crystals; mp = 2550°. *Anzon.*

4170 Zirconium silicate

14940-68-2 G



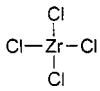
O_4SiZr

Silicic acid, zirconium salt (1:1).

A-PAX 45M; EINECS 239-019-6; Hyacinth; Silicic acid, zirconium(4+) salt (1:1); Standard SF 200; Ultrox 500W; Zircon; Zircon ($Zr(SiO_4)$); Zirconite; Zirconium(IV) silicate (1:1); Zircosil 15. Glaze opacifier; stabilizes color shades; used in white and colored glazes for sanitary ware, wall tile, glazed brick, structural tile, stoneware, dinnerware, special porcelains, refractory compositions, epoxy formulations, and encapsulating resins. White solid; mp = 2550°. *Atomergic Chemetals; DuPont; Elf Atochem N. Am.; Tam Ceramics.*

4171 Zirconium tetrachloride

10026-11-6 10227 G



Cl_4Zr

Zirconium (IV) chloride.

EINECS 233-058-2; HSDB 2531; Tetrachlorozirconium; UN2503; Zirconium chloride; Zirconium chloride ($ZrCl_4$); Zirconium chloride, tetra-; Zirconium tetrachloride; Zirconium(IV) chloride (1:4). Source of the pure metal, analytical chemistry, water repellents for textiles, tanning agent, zirconium compounds, special catalysts (Friedel-Crafts, Ziegler). Solid; mp = 437°; d = 2.8030; LD_{50} (rat orl) = 1588 mg/kg. *Cerac*; 3973Atomergic; Chem; Chemetals; Noah.

4172 Zoldine® MS-52

137796-06-6 G

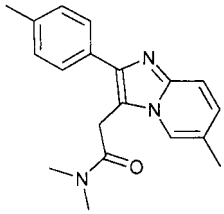
$C_{11}H_{23}NO$

4-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine.

Oxazolidine, 4-ethyl-2-methyl-2-(3-methylbutyl)-. Moist-ure scavenger; urethane crosslinker. *Angus.*

4173 Zolpidem

82626-48-0 10242 D



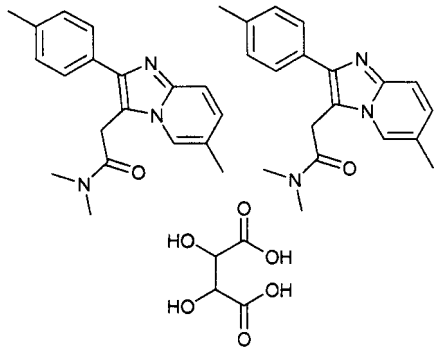
$C_{19}H_{21}N_3O$

N,N,6-Trimethyl-2-p-tolylimidazo[1,2-a]pyridine-3-acetamide.

DEA No. 2783; Lorex; SL-800750; Zolpidem. Sedative/ hypnotic. Crystals; mp = 196°. *Synthelabo Pharmacie.*

4174 Zolpidem Tartrate

99294-93-6 10242 D



$C_{42}H_{48}N_6O_8$

N,N,6-Trimethyl-2-p-tolylimidazo[1,2-a]pyridine-3-acetamide L-(+)-tartrate (2:1).

Ambien; Bilcam; Cymerion; Dalparan; DEA 2783; Durnit; Eudorm; Ivadal; Myslee; Niotal; SL-800750-23N; Somit; Stilnoct; Stimox; Sumenan; Zolpidem L-(+)-hemitartrate; Zolpidem tartrate. Sedative/hypnotic. Crystals; Soluble in H_2O (2.3 g/100 ml). *Synthelabo Pharmacie.*

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234-856-3	Terbium oxide	3668
234-963-5	Zirconium boride	4165
234-975-0	Barium titanate	303
234-988-1	Calcium titanate	652
235-015-3	Holmium oxide	1954
235-030-5	Sodium stannate	3508
235-042-0	Scandium oxide	3332
235-043-6	Samarium oxide	3327
235-044-1	Strontium titanate	3585
235-045-7	Erbium oxide	1581
235-087-6	Phosphotungstic acid	3016
235-088-1	Methylbenzenesulfonic acid, sodium salt	2420
235-106-8	Ferrous sulfide	1749
235-113-6	Copper carbonate	939
235-123-0	Camite	654
235-137-7	Ethyl aluminum sesquichloride	1612
235-166-5	Methylcyclopentadienyl manganese tricarbonyl	2441
235-171-2	Sodium hydroxytriphenylborate	3445
235-180-1	Zineb	4164
235-183-8	Ammonium bromide	177
235-185-9	Ammonium fluoride	185
235-186-4	Ammonium chloride	179
235-252-2	Lead phosphite	2222
235-253-8	Aluminum silicate	120
235-255-9	Potassium stannate	3133
235-446-7	Manganese borate	2311
235-654-8	Maneb	2309
235-714-3	Cobaltous carbonate	920
235-715-9	Nickel carbonate, basic	2656
235-741-0	2-Ethylhexyl phosphate	1662
235-893-8	p-Cyanophenyl acetate	996
235-921-9	Hexamethylene glycol diacrylate	1930
235-935-5	Hexaneperoxoic acid, 2-ethyl-, 1,1,4,4-tetramethyl-1,4-butanediyl ester	1938
235-963-8	Terbufos	3669
236-049-1	Cyhexatin	1036
236-068-5	Nickel nitrate	2660
236-112-3	Di-t-butoxydiacetoxysilane	1134
236-143-2	Nylon 6-12 salt	2737
236-221-6	Captamine Hydrochloride	667
236-407-7	Fenbutatin Oxide	1721
236-415-0	Butylethylamine	546
236-476-3	Tetrahydroabietyl alcohol	3716
236-487-3	Cesium fluoride	725
236-503-9	Nifurpirinol	2670
236-565-7	Trimethylsilylacetamide	3973
236-623-1	Gold trichloride	1872
236-656-1	Pyrazophos	3222
236-670-8	Pentacarbonyliron	2886
236-671-3	Pyrithione Zinc	3232
236-675-5	Titanium dioxide	3785
236-709-9	Barium nitrite	296
236-710-4	Barium perchlorate	299
236-740-8	2,2'-Azobis(2-methylbutyronitrile)	280
236-743-4	Sodium tungstate	3528
236-751-8	Aluminum nitrate	112
236-757-0	Pentamethylheptane	2905
236-813-4	Tellurium	3660
236-845-9	Lead antimonate	2209
236-855-3	Guazatine	1879
236-870-5	1,1,2-Trichloro-1,2,2-trimethyldisilane	3885
236-871-0	Ethylenebis(chlorodimethylsilane)	1629
236-878-9	Zinc chromate	4141
236-920-6	Chloromethyl tert-butyl ketone	794
236-948-9	Dechlorane® Plus	1070
236-977-7	Lithium molybdate	2256
237-003-3	Reinecke's salt	3277
237-029-5	Cerium sulfate	719
237-031-6	Quinalphos	3248
237-057-8	Zinc silicate	4156
237-066-7	Phosphorus acid	3011
237-081-9	Sodium ferrocyanide	3430
237-099-7	Minocycline hydrochloride	2555
237-117-3	4-(N-Phenylamidino)thiazole hydrochloride	2972
237-158-7	Tris(1-chloro-2-propyl)phosphate	4005
237-159-2	2-Propanol, 1,3-dichloro-, phosphate	3170
237-192-2	Cuprous potassium cyanide	989
237-199-0	Phenmedipham	2943
237-235-5	Magnesium borate	2279
237-272-7	Sodium vanadate	3530
237-323-3	Yellow prussiate of potash	4123
237-332-2	Methomyl oxime	2400
237-335-9	4-((4-Morpholinylthio)thioxomethyl)-morpholine	2582
237-340-6	Sodium fluoroborate	3432
237-388-8	Potassium vanadate	3141
237-396-1	Nickel sulfamate	2663
237-410-6	Aluminum trisodium hexafluoride	128
237-412-7	Hydrazine hydrobromide	1958
237-414-8	Sodium thioantimonate(V)	3521
237-435-2	Potassium cobalt nitrite	3101
237-486-0	Lead fluoborate	2216
237-511-5	Aminopropyltrimethoxysilane	163
237-525-1	m-Phenoxybenzyl alcohol	2960
237-558-1	Lithium hypochlorite	2253
237-574-9	Potassium tripolyphosphate	3140
237-600-9	Tinopal 5BM	3783
237-656-4	Propyl chlorothioformate	3191
237-696-2	Nickel dibutyldithiocarbamate	2658
237-732-7	2-Aminobutane	140
237-772-5	Calcium silicate	646
237-796-6	Methyl benzoquate	2423
237-912-5	Magnesium ethoxyethoxide	2282
237-992-1	2-Pyridinecarbonitrile, 4-amino-3,5,6-	

	trichloro	3226
238-107-1	Hydrargaphen	1956
238-113-4	Ethyl cadmate	1618
238-177-3	Krystallazurin	2173
238-270-9	Ethyl Ziram	1707
238-310-5	Stearamide MEA-stearate	3566
238-405-1	N,N-Dimethyldecanamide	1380
238-430-8	Pentaerythrityl tetrapelargonate	2897
238-666-1	Aluminum tri(octanolate)	126
238-667-7	Aluminum tridodecanolate	127
238-687-6	Zinc ammonium chloride	4130
238-692-3	Zinc diacrylate	4142
238-709-4	Cobalt oleate	913
238-778-0	Zinc dibenzyldithiocarbamate	4143
238-836-5	Levamisole	2231
238-877-9	Talc	3634
238-878-4	Quartz	3241
238-887-3	Phoxim	3020
238-920-1	Methyl green	2471
238-921-7	Ethoxydimethylsilane	1604
238-953-1	Bismuth subsalicylate	435
239-138-3	Eosin	1571
239-148-8	Cryolite	968
239-263-3	Methyl benzoylformate	2426
239-268-0	2-Acrylamido-2-methylpropanesulfonic acid	49
239-281-1	p-Phenylenediamine, N-(1-methylheptyl)-N'-phenyl-	2982
239-346-4	Diclofenac Sodium	1213
239-348-5	Diclofenac	1212
239-352-7	Benodanil	312
239-499-7	Aluminum chlorate	99
239-518-9	Hematin	1886
239-556-6	2-Methylpentanediamine	2501
239-557-1	Bis(4-t-butylcyclohexyl) peroxydicarbonate	390
239-560-8	Nickel dimethyldithiocarbamate	2659
239-592-2	Chlorotoluron	826
239-701-3	Acrylic acid, 1,1,1-(trihydroxymethyl)-propane triester	51
239-707-6	Sodium percarbonate	3487
239-773-6	Cephalexin monohydrate	717
239-802-2	Ferric sodium edetate	1739
239-931-4	Diethylenetriamine, pentamethylene-pentaphosphonic acid	1265
239-934-0	Mercurous oxide	2358
240-028-2	Antimony diamyldithiocarbamate	238
240-029-8	sec-Butanol	505
240-110-8	Alachlor	66
240-171-0	Trimethylsilyl iodide	3976
240-173-1	Cholebrine	840
240-178-9	Zinc lactate	4150
240-197-2	Isosorbide Mononitrate	2152
240-263-0	1,4-Dithiothreitol	1510
240-282-4	Bis(2-ethylhexyl) peroxydicarbonate	403
240-286-6	Carbetamide	676
240-347-7	Ethylidenenorbornene	1668
240-367-6	Oleyl palmitamide	2805
240-383-3	Activated charcoal	55
240-458-0	Geranyl acetate	1820
240-474-8	Erythrosin	1585
240-521-2	Fluorescent whitening agent (stilbene-based)	1764
240-539-0	Mecoprop-P	2328
240-541-1	Ferrous sodium HEDTA	1745
240-596-1	2-Methyl-3-butenenitrile	2430
240-600-1	Octanoic acid, diethanolamine salt	2760
240-654-6	Levamisole hydrochloride	2232
240-718-3	Ethephon	1599
240-778-0	Sodium bisulfide	3384
240-795-3	Potassium metabisulfite	3115
240-815-0	Methomyl	2399
240-851-7	Asiaticoside	260
240-920-1	Benzyl 3-isobutyryloxy-1-isopropyl-2,2-dimethylpropyl phthalate	365
240-934-8	Malladrite	2302
240-969-9	Potassium titanium fluoride	3138
240-985-6	Potassium zirconium fluoride	3142
240-991-9	Calcium sulfate dihydrate	649
241-004-4	Sodium borohydride	3387
241-029-0	Bis(tridecyl) adipate	426
241-034-8	Hydrofluosilicic acid	1966
241-154-0	Monensin	2566
241-164-5	Remazol black B	3278
241-175-5	Urea sulfate	4042
241-178-1	Edifenphos	1562
241-189-1	Barium fluorosilicate	292
241-234-5	Caustic baryta	709
241-342-2	Phosphoramidothioic acid, O,O-dimethyl ester	3004
241-533-0	Isonox® 132	2110
241-541-4	Chloromethylphthalimide	799
241-587-5	Ethylsuccinonitrile	1697
241-677-4	Ethyltriacetoxysilane	1704
241-774-1	Cyclohexylthiophthalimide	1027
241-775-7	Benomy	313
241-784-6	Tetrachloropicolinonitrile	3697
241-789-3	Tetraethylene glycol diacrylate	3709
241-894-4	Benzotetraoxatriplumbacycloundecin-1,9-dione	345
241-950-8	Phenyltetrazole	2989
242-040-3	Trimethylsilyl imidazole	3975
242-056-0	3-Chloropropylmethyldimethoxysilane	813
242-069-1	Jodfenphos	2162
242-149-6	Hexanoic acid, 2-ethyl-, diester with tetraethylene glycol	1939
242-159-0	Tin dioxide	3781
242-209-1	Clindamycin	891
242-217-5	N-Ethyl-2-methylallylamine	1673
242-272-5	Isobutyltrimethoxysilane	2089
242-339-9	Chrome red	845
242-354-0	Chlorhexidine gluconate	761
242-424-0	Albuterol	68
242-471-7	Glyceryl behenate	1842
242-472-2	Chlorodimethyloctadecylsilane	786
242-480-6	Iodamide meglumine	2044
242-505-0	Methabenzthiazuron	2378
242-556-9	3-Decyloxysulfolane	1077
242-637-9	Molybdenum dioxide	2560
242-640-5	Jasmopyrane	2161
242-748-2	Methyl Iodate	2484
242-777-0	Oryzalin	2816
242-836-0	Aluminum hexadecan-1-olate	107
242-894-7	Propylene glycol dibenzoate	3197
242-914-4	Ethylenediamine, N-ethyl-N-m-tolyl-	1637
242-989-3	Aminodimethylacetonitrile	145
243-073-6	4-Methylphthalic anhydride	2504
243-116-9	Pecilocin	2872
243-133-1	Potassium N-phenylglycinate	3116
243-215-7	Oxadiazon	2819
243-317-1	Trazodone	3827
243-468-3	Diiodomethyl-p-tolyl Sulfone	1298
243-496-6	Angeliconitrile	220
243-610-4	Phosphorous acid, 2-(1,1-dimethylethyl)-4-(1-(3-(1,1-dimethylethyl)-4-hydroxyphenyl)-1-methylethyl)-phenyl bis(4-nonylphenyl) ester	3009
243-733-3	2-Propanol, 1-(2-methoxy-1-methyl-	

	ethoxy)-	3171
243-734-9	Tripropylene glycol methyl ether	3999
243-746-4	Ferric hydroxide	1736
243-761-6	Methazole	2393
243-814-3	Zinc hydroxide	4148
243-815-9	Copper hydroxide	942
243-900-0	Sodium aminotris(methylene-phosphonate)	3379
243-957-1	Silver oxide	3363
244-058-7	Osmium tetroxide	2817
244-063-4	Diammonium EDTA	1112
244-068-1	Digoxin	1286
244-088-0	Phostoxin	3017
244-121-9	Ethyl Tellurac®	1698
244-168-5	*Cadmium hydroxide*	603
244-187-9	Methyl 2-oxogluconate	2498
244-209-7	Metribuzin	2542
244-288-8	4-(Dimethylamino)benzoic acid 3-methylbutyl ester	1363
244-299-8	Bismuth dimethyldithiocarbamate	429
244-302-2	Ethylenediaminetetracetic acid, ferric ammonium salt	1639
244-325-8	Dilauryl phosphite	1336
244-343-6	Enquik	1570
244-344-1	Cesium hydroxide	726
244-438-2	Silver sulfide	3365
244-492-7	Aluminum hydroxide	109
244-544-9	Cyanazine	991
244-548-0	Methyl cyanocarbamate	2438
244-556-4	Oxamniquine	2823
244-598-3	Nifedipine	2668
244-654-7	Mercury oxide	2360
244-740-4	N-Acetoxyethyl-N-cyanoethylaniline	29
244-754-0	Octyl stearate	2781
244-793-3	Palite	2844
244-838-7	Naproxen	2625
244-848-1	Fenamiphos	1718
245-018-1	*Hexanoic acid, 2-ethyl-, zirconium salt*	1940
245-022-3	Tetraammonium ethylenediamine-tetraacetate	3679
245-039-6	O-Isobutylbenzoin	2081
245-054-8	3-Benzoyloxy-2,2,4-trimethylpentyl isobutyrate	354
245-148-9	*Rafoxanide*	3268
245-178-2	Vitride®	4099
245-216-8	Bendiocarb	310
245-261-3	Aspartame	262
245-366-4	2-Butanone, O,O',O''-(methylsilyl-idyne)trioxime	507
245-423-3	Kamillosan	2166
245-424-9	β-Pinene	3042
245-430-1	Pirimicarb	3051
245-445-3	Oxamyl	2824
245-477-8	Butachlor	498
245-546-2	Aluminum n-hexoxide	108
245-629-3	Sodium dicyclohexyl sulfosuccinate	3418
245-697-4	6-t-Butyl-3-chloromethyl-2,4-xylenol	536
245-737-0	Heptenophos	1896
245-740-7	Thiophanate-methyl	3764
245-822-2	Pararosaniline base, N,N',N''-triphenyl-	2866
245-876-7	*Ureidopropyltriethoxysilane*	4043
245-883-5	Tetraethylene glycol monomethyl ether	3711
245-951-4	Propyzamide	3212
245-986-5	Triazophos	3847
246-140-8	Aluminum nitride	113
246-147-6	Mepiquat Chloride	2342
246-152-3	3-*Chloromethyl-4-keto-1,2,3-benzo-triazine*	798
246-240-1	Di-t-butyl dicarbonate	1139
246-262-1	Heptadecafluoro-N-(2-hydroxyethyl)-N-methyloctanesulphonamide	1889
246-278-9	2-Ethylhexyl chloroformate	1657
246-309-6	o-Toluidine, 6-ethyl-	3815
246-359-9	β-(Acryloyloxy)propionic acid	53
246-376-1	Potassium sorbate	3132
246-386-6	Photocure 51	3019
246-463-4	2,2',2''-Nitrilotrisethanol formate	2682
246-466-0	Tripropylene glycol	3996
246-467-6	Triethoxy(3-isocyanatopropyl)silane	3912
246-562-2	Vinyl toluene	4080
246-563-8	Butylated hydroxyanisole	528
246-585-8	Bentazone	314
246-613-9	Isooctyl mercaptoacetate	2116
246-614-4	*Triisooctyl phosphite*	3940
246-618-6	Zinc O,O-diisodecyl dithiophosphate	4144
246-619-1	tert-Dodecanethiol	1530
246-644-8	Methyl nadic anhydride	2489
246-671-5	Piperazineethanol	3047
246-672-0	Nonyl phenol	2726
246-677-8	*Phosphoric acid, trixylyl ester*	3008
246-678-3	(1,3(or 1,4)-Phenylenebis(1-methyl-ethylidene))bis(1,1-dimethylethyl)-peroxide	2976
246-680-4	Sodium dodecylbenzenesulfonate	3425
246-689-3	Butylene	542
246-690-9	Diisobutylene	1303
246-698-2	Chloromethylbenzene	793
246-699-8	Isopropylphenol	2147
246-768-2	Hexene	1943
246-770-3	Dipropylene glycol	1485
246-771-9	2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	3968
246-784-2	Ablusol DBD	5
246-835-6	Diisopropylbenzene	1325
246-836-1	Dinitrotoluene	1436
246-839-8	Dimethylbenzenesulfonic acid	1376
246-841-9	Dinonylnaphthalenesulphonic acid	1446
246-855-5	Trazodone hydrochloride	3828
246-869-1	Isodecanol	2096
246-871-2	Heptene	1895
246-874-9	Diethylbenzene	1251
246-875-4	Triethylbenzene	3916
246-896-9	*tert-Nonyl mercaptan*	2725
246-910-3	Toluenediamine	3793
246-917-1	Dodecenylsuccinic anhydride	1532
246-920-8	Oct-2-ene	2763
246-929-7	Sodium stearoyl-2-lactylate	3510
246-933-9	Kanamycin A Sulfate	2167
246-941-2	Diacetin	1098
246-985-2	Rhodapex® 674/C	3292
246-998-3	Isodecyl phosphite	2102
247-036-5	Tridecylbenzenesulfonic acid	3896
247-038-6	Glycerol 1-monooleate	1840
247-093-6	Ethyl toluene	1700
247-098-3	Diisodecyl phenyl phosphite	1311
247-118-0	Hydroxypropyl acrylate	2006
247-119-6	Tritolyl phosphite	4020
247-132-7	Barium bis(dinonylnaphthalene-sulphonate)	287
247-148-4	Hexabromocyclododecane	1902
247-156-8	4-Isopropylbiphenyl	2137
247-161-5	Methanesulfonamide, N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)-, sulfate (2:3)	2389
247-280-2	Gemfibrozil	1816
247-323-5	2-(Z)-Pentenenitrile	2914
247-368-0	CI Food Red 17	864
247-384-8	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-	

	di-t-pentyl-	2949
247-404-5	Phenothrin	2957
247-426-5	Bis(2-ethylhexyl) tetrabromophthalate	405
247-477-3	Terphenyl	3675
247-481-5	Morantel tartrate	2579
247-486-2	Naproxen Sodium	2627
247-525-3	Ethofumesate	1601
247-536-3	Sodium tridecylbenzene sulfonate	3527
247-557-8	Calcium dodecylbenzenesulfonate	619
247-568-8	Sorbitan palmitate	3538
247-569-3	Sorbitan trioleate	3540
247-571-4	2-Ethylhexenal	1656
247-574-0	Dihydroabietyl alcohol	1288
247-593-4	2-(E)-Pentenenitrile	2913
247-598-1	Aluminum n-decoxide	101
247-628-3	N-(9-Octadecenyl)-3-aminopropionitrile	2747
247-636-7	Sodium dimethyl dithiophosphate	3423
247-658-7	Isooctyl diphenyl phosphite	2115
247-668-1	Glyceryl caprylate	1843
247-669-7	Propylene glycol ricinoleate	3202
247-693-8	Diphenylcresyl phosphate	1468
247-704-6	Monacetin	2564
247-710-9	Ammonium xylenesulfonate	207
247-714-0	Methylenediphenyl diisocyanate	2457
247-722-4	Toluene diisocyanate	3798
247-724-5	Methylcyclopentadiene dimer	2440
247-759-6	Wytox® 312	4106
247-761-7	Octhilinone	2765
247-777-4	Diphenyl isodecyl phosphite	1474
247-781-6	Tetrapropenylsuccinic anhydride	3740
247-810-2	Zinc bis(O-(2-ethylhexyl)) bis(O-(isobutyl)) bis(dithiophosphate)	4133
247-872-0	Triforine	3933
247-891-4	Sorbitan tristearate	3541
247-897-7	Isoflurane	2104
247-899-8	Octenylsuccinic anhydride	2764
247-952-5	Bis(2,4-di-tert-butylphenyl)pentaerythritol diphosphite	387
247-955-1	tert-Butyl peroxyneodecanoate	568
247-977-1	Diisodecyl phthalate	1312
247-979-2	2,3-Epoxypropyl neodecanoate	1578
248-002-2	Lofepramine Hydrochloride	2260
248-052-5	DEDM hydantoin	1080
248-092-3	Isononylic acid	2109
248-093-9	Neodecanoic acid	2635
248-111-5	Timolol maleate	3779
248-133-5	Isooctyl alcohol	2114
248-148-7	(Chloromethyl)ethylbenzene	797
248-159-7	Calcium thiobis(dodecylphenolate)	651
248-161-8	O,O'-Diisoctylphosphorodithioic acid	1320
248-219-2	N,N,N',N'-Tetrabutylhexane-1,6-diamine	3688
248-258-5	Dipropylene glycol, dibenzoate	1487
248-273-7	O,O-Ditolyl phosphorodithioate	1512
248-289-4	Dodecylbenzenesulfonic acid	1535
248-299-9	Diisodecyl adipate	1309
248-310-7	Octyl phenol	2777
248-312-8	Dodecylphenols	1540
248-339-5	Nonene	2722
248-363-6	Ethylhexyl nitrate	1660
248-365-7	Triisooctyl trimellitate	3941
248-373-0	Cobalt neodecanoate	910
248-388-2	Triisooctyl (stibylidynetrithio)triacetate	3939
248-397-1	Norflurazon	2732
248-406-9	Triethanolamine dodecylbenzene sulfonate	3908
248-502-0	Phenylbenzimidazol-5-sulfonic acid	2973
248-523-5	Diisooctyl phthalate	1321
248-539-2	Phenol, (1-methyl-1-phenylethyl)-	2952
248-565-4	Trimethylsilyl triflate	3977
248-597-9	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-	3844
248-659-5	Dipotassium tin bis(sulfate)	1483
248-666-3	Hydroxypropyl methacrylate	2007
248-698-8	Tetrapropenylsuccinic acid	3739
248-846-1	Ethylstyrene	1696
248-848-2	Isopropylphenyl diphenyl phosphate	2148
248-889-6	Pentaerythritol tristearate	2901
248-969-0	Pinane hydroperoxide	3040
248-983-7	Sodium cumenesulfonate	3406
249-014-0	Bioresmethrin	377
249-044-4	Diisodecyl azelate	1310
249-048-6	Nonyl alcohol	2723
249-063-8	Disodium dodecyl(sulphonatophenoxy)-benzenesulfonate	1495
249-079-5	Diisononyl phthalate	1316
249-109-7	Zinc diisooctyl dithiophosphate	4145
249-146-9	Methoxy-1-propanol	2409
249-205-9	Bromadiolone	460
249-210-6	Octadecenylsuccinic anhydride	2748
249-271-9	Carbidopa	677
249-306-8	Benzothiazole, 2-((chloromethyl)thio)-	346
249-349-2	Alprazolam	95
249-357-6	Biphenylyl phenyl ether	379
249-359-7	Barium nonylphenate	297
249-427-6	Glipizide	1828
249-451-7	Atenolol	266
249-530-6	Amilperoxy pivalate	133
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57-48-7	Fructose	1796
57-50-1	Sucrose	3599
57-55-6	Propylene glycol	3195
57-57-8	Propiolactone	3178
57-68-1	Sulfamethazine	3608
57-74-9	Chlordane	755
57-88-5	Cholesterol	841
58-08-2	Caffeine	606
58-33-3	Promethazine hydrochloride	3158
58-36-6	Phenarsazine oxide	2940
58-56-0	Vitamin B_6 hydrochloride	4091
58-86-6	Xylose	4121
58-89-9	Lindane	2246
58-93-5	Hydrochlorothiazide	1963
58-96-8	Uridine	4046
59-02-9	Vitamin E	4095
59-06-3	Ethopabate	1602
59-30-3	Folic acid	1782
59-31-4	Carbostyril	691
59-40-5	Sulfaquinoxaline	3611
59-43-8	Vitamin B_1	4088
59-50-7	Lysochlor	2273
59-67-6	Niacin	2649
59-92-7	Levodopa	2233
60-00-4	Edetic acid	1560
60-11-7	Butter yellow	518
60-12-8	Phenylethyl alcohol	2983
60-24-2	2-Mercaptoethanol	2349
60-29-7	Diethyl ether	1267
60-33-3	Linoleic acid	2247
60-51-5	Dimethoate	1344
60-54-8	Tetracycline	3700
60-57-1	Dieldrin	1233
60-87-7	Promethazine	3157
61-19-8	5'-Adenylic acid	61
61-90-5	Leucine	2230
62-23-7	p-Nitrobenzoic acid	2687
62-33-9	Calcium disodium edetate	618
62-38-4	Phenylmercury acetate	2986
62-53-3	Aniline	223
62-54-4	Calcium acetate	607
62-55-5	Thioacetamide	3752
62-56-6	Thiourea	3770
62-73-7	Dichlorvos	1211
62-97-5	Diphemanil methylsulfate	1464
63-25-2	Carbaryl	673
63-42-3	Lactose	2180
63-75-2	Arecoline	249
63-89-8	Colfosceril palmitate	935
64-02-8	Tetrasodium edetate	3743
64-17-5	Ethanol	1593
64-18-6	Formic acid	1790
64-19-7	Acetic acid	17
64-67-5	Diethyl sulfate	1273
65-71-4	Thymine	3776
65-85-0	Benzoic acid	335
66-22-8	Uracil	4039
67-03-8	Vitamin B_1	4087
67-20-9	Nitrofurantoin	2694
67-43-6	Pentetic acid	2916
67-48-1	Choline chloride	842
67-56-1	Methyl alcohol	2415
67-63-0	Isopropanol	2127
67-64-1	Acetone	23
67-66-3	Chloroform	790
67-68-5	Dimethyl sulfoxide	1419
67-72-1	Hexachloroethane	1907
67-97-0	Vitamin D_3	4093
68-04-2	Sodium citrate	3400
68-11-1	2-Mercaptoacetic acid	2345
68-12-2	Dimethylformamide	1388
68-19-9	Vitamin B_{12}	4089
68-22-4	Norethindrone	2730
68-26-8	Vitamin A	4086
68-36-0	Hexachloro-p-xylene	1909
68-88-2	Hydroxyzine	2010
68-94-0	Hypoxanthine	2014
69-53-4	Ampicillin	210
69-65-8	Mannitol	2318
69-72-7	Salicylic acid	3321
69-79-4	Maltose	2306

69-89-6	Xanthine	4108
69-93-2	Uric acid	4045
70-30-4	Hexachlorophene	1908
70-47-3	Asparagine	261
70-53-1	Lysine monohydrochloride	2271
70-55-3	p-Toluenesulfonamide	3801
71-23-8	n-Propanol	3169
71-36-3	n-Butanol	504
71-41-0	n-Pentanol	2909
71-43-2	Benzene	321
71-48-7	Cobalt acetate	905
71-55-6	Methyl chloroform	2434
71-58-9	Medroxyprogesterone acetate	2330
72-17-3	Sodium lactate	3453
72-43-5	Methoxychlor	2402
72-48-0	Alizarin	81
72-56-0	Perthane	2932
72-57-1	Niagara blue	2651
72-69-5	Nortriptyline	2733
73-24-5	Adenine	59
73-40-5	Guanine	1877
74-31-7	N,N'-Diphenyl-4-phenylenediamine	1477
74-82-8	Methane	2388
74-83-9	Methyl bromide	2427
74-84-0	Ethane	1591
74-85-1	Ethylene	1627
74-86-2	Acetylene	35
74-87-3	Chloromethane	792
74-88-4	Methyl iodide	2475
74-89-5	Methylamine	2416
74-90-8	Prussic acid	3216
74-93-1	Methanethiol	2392
74-95-3	Methylene dibromide	2453
74-96-4	Bromoethane	474
74-97-5	Bromochloromethane	469
74-98-6	Propane	3163
74-99-7	Propyne	3211
75-00-3	Chloroethane	788
75-01-4	Vinyl chloride	4073
75-02-5	Vinyl fluoride	4076
75-04-7	Ethylamine	1613
75-05-8	Acetonitrile	27
75-07-0	Acetaldehyde	10
75-08-1	Ethyl mercaptan	1671
75-09-2	Methylene chloride	2452
75-11-6	Methylene iodide	2455
75-12-7	Formamide	1788
75-15-0	Carbon disulfide	686
75-18-3	Methyl sulfide	2519
75-20-7	Calcium carbide	611
75-21-8	Ethylene Oxide	1650
75-25-2	Bromoform	477
75-28-5	Isobutane	2074
75-31-0	Isopropylamine	2131
75-33-2	Isopropyl mercaptan	2143
75-34-3	1,1-Dichloroethane	1191
75-35-4	1,1-Dichloroethene	1192
75-36-5	Acetyl chloride	34
75-37-6	Difluoroethane	1281
75-38-7	Difluoroethene	1282
75-39-8	Acetaldehyde ammonia	11
75-44-5	Phosgene	3000
75-45-6	Chlorodifluoromethane	784
75-46-7	Fluoroform	1768
75-47-8	Iodoform	2047
75-50-3	Trimethylamine	3954
75-52-5	Nitromethane	2700
75-54-7	Methyldichlorosilane	2443
75-56-9	Propylene oxide	3203
75-59-2	Tetramethylammonium hydroxide	3731
75-63-8	Bromofluoroform	476
75-64-9	t-Butylamine	526
75-65-0	tert.-Butyl Alcohol	523
75-66-1	t-Butyl mercaptan	558
75-68-3	Monochlorodifluoroethane	2568
75-69-4	Trichlorofluoromethane	3872
75-71-8	Dichlorodifluoromethane	1185
75-72-9	Chlorotrifluoromethane	829
75-75-2	Methanesulfonic acid	2390
75-76-3	Tetramethylsilane	3735
75-77-4	Trimethylsilyl chloride	3974
75-78-5	Dichlorodimethylsilane	1187
75-79-6	Methyltrichlorosilane	2528
75-86-5	Acetone cyanohydrin	24
75-87-6	Chloral	750
75-89-8	Trifluoroethanol	3930
75-91-2	t-Butylhydroperoxide	552
75-94-5	Trichlorovinylsilane	3886
75-97-8	Pinacolone	3036
75-98-9	Pivalic acid	3052
75-99-0	Dalapon	1050
76-01-7	Pentachlorethane	2887
76-02-8	Trichloroacetyl chloride	3865
76-03-9	Trichloroacetic acid	3864
76-05-1	Trifluoroacetic acid	3929
76-06-2	Chloropicrin	810
76-08-4	Brometone	463
76-13-1	Trichlorotrifluoroethane	3883
76-14-2	Dichlorotetrafluoroethane	1206
76-15-3	Chloropentafluoroethane	806
76-22-2	Camphor	656
76-25-5	Triamcinolone acetonide	3840
76-39-1	2-Nitro-2-methylpropanol	2701
76-42-6	Oxycodone	2837
76-44-8	Heptachlor	1887
76-57-3	Codeine [anhydrous]	934
76-60-8	Bromocresol green	471
76-62-0	Tetrabromophenolphthalein	3683
76-87-9	Fentin hydroxide	1733
77-06-5	Gibberellic acid	1825
77-47-4	Hexachlorocyclopentadiene	1905
77-58-7	Butynorate	585
77-71-4	Dimethylhydantoin	1395
77-73-6	Dicyclopentadiene	1228
77-76-9	Acetone dimethyl ketal	26
77-78-1	Dimethyl sulfate	1417
77-79-2	3-Sulfolene	3617
77-85-0	Methyltrimethylolmethane	2531
77-86-1	Tromethamine	4021
77-89-4	Acetyl triethyl citrate	40
77-90-7	Acetyltributylcitrate	39
77-92-9	Citric acid	883
77-93-0	Triethyl citrate	3917
77-99-6	Trimethylolpropane	3960
78-00-2	Tetraethyl lead	3707
78-04-6	Dibutyltin maleate	1159
78-05-7	Phenoctide	2945
78-08-0	Vinyltriethoxysilane	4082
78-10-4	Tetraethoxysilane	3706
78-11-5	PETN	2934
78-30-8	Tricresyl phosphate	3891
78-40-0	Triethyl phosphate	3924
78-42-2	Trioctyl phosphate	3985
78-44-4	Carisoprodol	696
78-48-8	Tributylphosphorotrithioate	3859
78-51-3	Tris(butoxyethyl) phosphate	4000
78-59-1	Isophorone	2119
78-62-6	Dimethyldiethoxy silane	1382
78-63-7	Di-t-butyl 1,1,4,4-tetramethyl -tetramethylene diperoxide	1155

78-66-0	4-Octyne-3,6-diol, 3,6-dimethyl-	2788
78-67-1	Azobis(isobutyronitrile)	279
78-70-6	Linalool	2243
78-78-4	Isopentane	2117
78-79-5	Isoprene	2125
78-82-0	Isobutyronitrile	2093
78-83-1	Isobutanol	2075
78-84-2	Isobutyraldehyde	2090
78-87-5	Propylene dichloride	3194
78-91-1	Isopropanolamine	2128
78-92-2	sec-Butanol	505
78-93-3	Methyl ethyl ketone	2461
78-95-5	Chloroacetone	768
78-96-6	Monoisopropanolamine	2571
78-97-7	Lactonitrile	2179
79-00-5	Vinyl trichloride	4081
79-01-6	Trichlorethylene	3862
79-04-9	Chloroacetyl chloride	771
79-06-1	Acrylamide	48
79-09-4	Propionic acid	3181
79-10-7	Acrylic acid	50
79-11-8	Chloroacetic acid	767
79-14-1	Glycolic acid	1861
79-20-9	Methyl acetate	2411
79-21-0	Peroxyacetic acid	2930
79-22-1	Methyl chloroformate	2435
79-24-3	Nitroethane	2693
79-27-6	1,1,2,2-Tetrabromoethane	3682
79-31-2	Isobutyric acid	2091
79-33-4	L-lactic acid	2177
79-34-5	Tetrachloroethane	3693
79-36-7	Dichloroacetyl chloride	1169
79-38-9	Chlorotrifluoroethylene	831
79-40-3	Dithioxamide	1511
79-41-4	Methacrylic acid	2380
79-46-9	Nitroisopropane	2699
79-74-3	2,5-Di-t-amylhydroquinone	1114
79-92-5	Camphene	655
79-94-7	Tetrabromobisphenol A	3680
79-96-9	4,4'-Isopropylidenebis(o-t-butylphenol)	2141
80-05-7	Bisphenol A	438
80-07-9	4,4'-Dichlorodiphenyl sulfone	1190
80-08-0	Dapsone	1054
80-09-1	4,4'-Sulfonyldiphenol	3619
80-10-4	Dichlorodiphenylsilane	1189
80-15-9	Cumene hydroperoxide	969
80-26-2	α-Terpineol, acetate	3677
80-39-7	Ethyl tosylamide	1705
80-40-0	Ethyl p-toluenesulfonate	1702
80-43-3	Dicumyl peroxide	1219
80-46-6	4-t-Amylphenollfonic acid dihydrazide	2832
80-54-6	Lilial®	2240
80-56-8	(±)-α-Pinene	3041
80-62-6	Methyl methacrylate	2486
81-07-2	Saccharin	3317
81-13-0	Dexpanthenol	1095
81-14-1	Musk ketone	2591
81-16-3	Tobias acid	3787
81-54-9	Purpurin	3219
81-64-1	Quinizarin	3253
81-81-2	Warfarin	4100
81-84-5	Protect	3213
81-88-9	Rhodamine B	3290
82-68-8	Quintozene	3256
82-71-3	Styphnic acid	3587
82-75-7	Schollkopf's acid	3335
82-76-8	1-Anilino-8-naphthalenesulfonic acid	224
83-41-0	3-Nitro-o-xylene	2715
83-43-2	Methylprednisolone	2507
83-63-6	Diacetazotol	1097
83-66-9	Musk ambrette	2590
83-72-7	Lawsone	2206
83-73-8	Iodoquinol	2051
83-79-4	Rotenone	3310
83-86-3	Phytic acid	3025
83-88-5	Vitamin B_2	4090
84-60-6	Anthraflavic acid	231
84-61-7	Dicyclohexyl phthalate	1227
84-65-1	Anthraquinone	235
84-66-2	Ethyl phthalate	1689
84-69-5	Diisobutyl phthalate	1306
84-74-2	Dibutyl phthalate	1153
84-76-4	Dinonyl phthalate	1445
84-77-5	Didecyl phthalate	1232
84-78-6	Butyl octyl phthalate	564
84-80-0	Vitamin K_1	4096
84-81-1	Vitamin K_2	4097
84-86-6	Naphthionic acid	2619
84-87-7	Nevile and Winther's acid	2648
85-00-7	Diquat dibromide	1491
85-40-5	Tetrahydrophthalimide	3724
85-41-6	Phthalimide	3023
85-42-7	Hexahydrophthalic anhydride	1921
85-43-8	Tetrahydrophthalic anhydride	3723
85-44-9	Phthalic anhydride	3021
85-60-9	Santowhite	3328
85-68-7	Butylbenzyl phthalate	532
85-69-8	Butyl 2-ethylhexyl phthalate	548
85-70-1	Butoxycarbonylmethyl butyl phthalate	512
85-74-5	Dahl's acid II	1048
85-75-6	Dahl's acid III	1049
85-83-6	Sudan IV	3604
85-86-9	Sudan III	3603
85-91-6	Dimethyl anthranilate	1374
85-97-2	Dowicide 3	1547
86-29-3	Diphenyl acetonitrile	1465
86-50-0	Azinphos-methyl	275
86-65-7	Amido-G acid	132
86-87-3	1-Naphthaleneacetic acid	2609
87-02-5	Aminonaphthol sulfonic acid J	157
87-08-1	Penicillin V	2882
87-10-5	Tribromsalan	3853
87-19-4	Isobutyl salicylate	2087
87-20-7	Isopentyl salicylate	2118
87-39-8	Violuric acid	4085
87-51-4	Indol-3-ylacetic acid	2038
87-56-9	Mucochloric acid	2585
87-58-1	Iodol	2048
87-61-6	1,2,3-Trichlorobenzene	3867
87-66-1	Pyrogallol	3233
87-79-6	L-Sorbose	3543
87-83-2	Pentabromotoluene	2885
87-86-5	Pentachlorophenol	2888
87-89-8	Inositol	2040
87-90-1	Symclosene	3633
88-04-0	Chloroxylenol	835
88-05-1	Mesidine	2362
88-06-2	2,4,6-Trichlorophenol	3880
88-12-0	N-Vinyl-2-pyrrolidinone	4079
88-14-2	2-Furoic acid	1806
88-18-6	2-t-Butylphenol	572
88-19-7	o-Toluenesulfonamide	3800
88-24-4	Cyanox® 425	1000
88-41-5	Ortholate	2815
88-44-8	2-Amino-5-methyl-benzene sulfonic acid	154
88-51-7	2-Amino-4-chloro-5-methyl-benzene sulfonic acid	143
88-53-9	2-Amino-5-chloro-4-methyl-benzene	

	sulfonic acid	144
88-58-4	Dibutylhydroquinone	1145
88-60-8	2-t-Butyl-5-methylphenol	561
88-68-6	Anthranilamide	232
88-72-2	1-Methyl-2-nitro-benzene	2493
88-73-3	1-Chloro-2-nitro-benzene	802
88-74-4	o-Nitroaniline	2684
88-85-7	Dinoseb	1447
88-89-1	Picric acid	3032
89-04-3	Trioctyl trimellitate	3987
89-08-7	4-Sulfophthalic acid	3620
89-32-7	Pyromellitic dianhydride	3235
89-65-6	Isoascorbic acid	2071
89-72-5	2-sec-Butylphenol	571
89-78-1	Menthol	2338
89-82-7	Pulegone	3218
89-83-8	Thymol	3777
89-84-9	Resacetophenone	3280
89-87-2	4-Nitro-m-xylene	2716
90-00-6	Phenol, 2-ethyl-	2950
90-02-8	Salicylaldehyde	3320
90-03-9	Mercufenol Chloride	2352
90-04-0	o-Anisidine	227
90-12-0	1-Methylnaphthalene	2491
90-15-3	1-Naphthol	2621
90-16-4	Benzazimide	318
90-17-5	Rose ester	3305
90-30-2	N-Phenyl-1-naphthylamine	2966
90-43-7	o-Phenylphenol	2968
90-51-7	6-Amino-4-hydroxy-2-naphthalene sulfonic acid	152
90-64-2	Mandelic acid	2308
90-72-2	DMP 30	1523
90-80-2	δ-D-Gluconolactone	1831
90-94-8	Michler's ketone	2552
91-01-0	Benzhydrol	331
91-08-7	Toluene-2,6-diisocyanate	3796
91-10-1	Pyrogallol dimethylether	3234
91-16-7	Veratrole	4066
91-17-8	Decalin®	1059
91-20-3	Naphthalene	2608
91-53-2	Ethoxyquin	1607
91-56-5	Isatin	2068
91-57-6	β-Methylnaphthalene	2492
91-63-4	Quinaldine	3247
91-64-5	Coumarin	954
91-66-7	N,N-Diethylaniline	1249
91-68-9	N,N-Diethyl-m-aminophenol	1246
91-76-9	Benzoguanamine	334
91-95-2	DAB	1045
92-00-2	Diethanolchloroanilide	1236
92-15-9	Acetoacet-o-anisidide	20
92-28-4	Salt, Amido-R	3325
92-32-0	Pyronine Y	3237
92-40-0	Cassella's acid	706
92-41-1	Naphthalene-2,7-disulfonic acid;	2614
92-44-4	2,3-Naphthalenediol	2611
92-52-4	Biphenyl	378
92-70-6	3-Hydroxy-2-naphthoic acid	2003
92-71-7	Diphenyloxazole	1476
92-83-1	Xanthene	4107
92-84-2	Phenothiazine	2956
93-01-6	Schaeffer's acid	3333
93-04-9	Nerolin	2647
93-15-2	Methyl eugenol	2464
93-23-2	Lauryl isoquinolinium bromide	2203
93-35-6	Umbelliferone	4032
93-46-9	Agerite® White	65
93-51-6	Creosol	955
93-56-1	Styrolyl alcohol	3593
93-58-3	Methyl benzoate	2421
93-65-2	MCPP	2323
93-68-5	2-Acetoacetylaminotoluene	21
93-69-6	o-Tolyldiguanide	3818
93-72-1	Silvex	3366
93-82-3	Ablumide SDE	3
93-83-4	Oleic acid diethanolamide	2798
94-13-3	Propylparaben	3209
94-16-6	Ammohippurate sodium	169
94-18-8	Benzylparaben	367
94-26-8	Butylparaben	566
94-28-0	Triethylene glycol di(2-ethyl hexanoate)	3921
94-36-0	Dibenzoyl peroxide	1125
94-41-7	Chalkone	745
94-59-7	Safrole	3319
94-60-0	Dimethyl hexahydroterephthalate	1391
94-74-6	MCPA	2321
94-75-7	2,4-Dichlorophenoxyacetic acid	1202
94-81-5	MCPB	2322
94-82-6	2,4-DB	1046
94-91-7	Metal Deactivator S	2367
94-96-2	2-Ethyl-1,3-hexanediol	1664
95-14-7	Benzotriazole	348
95-19-2	Stearyl hydroxyethyl imidazoline	3573
95-29-4	N,N-Diisopropyl-2-benzothiazole sulfenamide	1328
95-31-8	N-t-Butyl-2-benzothiazolesulfenamide	531
95-32-9	2-(4-Morpholinyldithio)benzothiazole	2581
95-33-0	Thiohexam	3761
95-38-5	Oleyl hydroxyethyl imidazoline;	2803
95-45-4	Dimethylglyoxime	1390
95-47-6	o-Xylene	4113
95-48-7	o-Cresol	959
95-49-8	o-Chlorotoluene	823
95-50-1	o-Dichlorobenzene	1173
95-51-2	o-Chloroaniline	775
95-53-4	o-Toluidine	3814
95-54-5	o-Aminoaniline	137
95-55-6	o-Aminophenol	160
95-63-6	Pseudocumene	3217
95-65-8	3,4-Dimethylphenol	1407
95-71-6	Toluhydroquinone	3812
95-74-9	3-Chloro-p-toluidine	825
95-76-1	3,4-Dichloroaniline	1170
95-80-7	2,4-Diaminotoluene	1110
95-87-4	2,5-Xylenol	4117
95-88-5	4-Chlororesorcinol	817
95-92-1	Diethyl oxalate	1272
95-93-2	Durene	1557
95-94-3	1,2,4,5-Tetrachlorobenzene	3692
95-95-4	2,4,5-Trichlorophenol	3878
96-05-9	Allyl methacrylate	91
96-09-3	Styrene oxide	3591
96-10-6	Chlorodiethylaluminum	783
96-13-9	Dibromopropanol	1133
96-18-4	1,2,3-Trichloropropane	3881
96-20-8	2-Aminobutanol	141
96-22-0	Diethyl ketone	1271
96-23-1	1,3-Dichloro-2-propanol	1204
96-26-4	Dihydroxyacetone	1295
96-27-5	Thioglycerol	3760
96-29-7	2-Butanone oxime	506
96-31-1	N,N-Dimethylurea	1425
96-33-3	Methyl acrylate	2414
96-43-5	2-Chlorothiophene	822
96-45-7	Ethylene thiourea	1651
96-48-0	4-Butyrolactone	592
96-49-1	Ethylene carbonate	1632
96-69-5	4,4'-Thiobis(6-tert-butyl-3-cresol)	3753

96-76-4	2,4-Di-t-butylphenol	1150
96-83-3	Iodopanoic acid	2049
97-00-7	2,4-Dinitrochlorobenzene	1431
97-02-9	2,4-Dinitroaniline	1428
97-23-4	Dichlorophen	1199
97-30-3	Methyl-α-D-glucopyranoside	2469
97-39-2	1,3-Ditolylguanidine	1514
97-59-6	Allantoin	84
97-63-2	Ethyl methacrylate	1672
97-64-3	Ethyl lactate	1670
97-65-4	Itaconic acid	2158
97-72-3	2-Methylpropanoic anhydride	2508
97-74-5	Tetramethylthiuram monosulfide	3736
97-77-8	Disulfiram	1506
97-78-9	Lauroyl sarcosine	2196
97-85-8	Isobutyl isobutyrate	2085
97-86-9	2-Methylpropyl methacrylate	2510
97-88-1	Butyl methacrylate	559
97-90-5	Ethylene dimethacrylate	1642
97-93-8	Triethylaluminum	3915
97-94-9	Borethyl	447
97-99-4	Tetrahydrofurfuryl alcohol	3719
98-00-0	Furfuryl alcohol	1805
98-01-1	Furfural	1803
98-07-7	Benzotrichloride	350
98-09-9	Benzenesulfonyl chloride	328
98-10-2	Benzenesulfonamide	324
98-11-3	Benzenesulfonic acid	325
98-13-5	Phenyltrichlorosilane	2990
98-16-8	3-Aminobenzotrifluoride	139
98-19-1	Butyl-m-xylene	582
98-51-1	Butyl toluene	579
98-52-2	4-t-Butylcyclohexanol	539
98-54-4	tert-Butylphenol	570
98-55-5	α-Terpineol	3676
98-56-6	4-Chloro-α,α,α-trifluorotoluene	832
98-77-1	Piperidinium pentamethylene dithiocarbamate	3049
98-79-3	5-Oxoproline	2829
98-82-8	Isopropylbenzene	2136
98-83-9	α-Methylstyrene	2517
98-86-2	Acetophenone	28
98-87-3	Benzal chloride	316
98-88-4	Benzoyl chloride	351
98-92-0	Niacinamide	2650
98-94-2	N,N-Dimethylcyclohexylamine	1379
98-95-3	Nitrobenzene	2689
99-04-7	m-Toluic acid	3806
99-05-8	m-Aminobenzoic acid	138
99-08-1	m-Nitrotoluene	2711
99-20-7	Mycose	2594
99-24-1	Gallicin	1813
99-30-9	Dicloran	1214
99-34-3	Dinitrobenzoic acid	1430
99-49-0	Carvone	704
99-50-3	Protocatechuic acid	3215
99-51-4	1,2-Dimethyl-4-nitrobenzene	1401
99-54-7	1,2-Dichloro-4-nitrobenzene	1198
99-62-7	m-Diisopropylbenzene	1326
99-63-8	Isophthaloyl dichloride	2124
99-71-8	4-(1-Methylpropyl)phenol	2511
99-75-2	Methyl p-toluate	2526
99-76-3	Methylparaben	2500
99-79-6	Iophendylate	2057
99-87-6	p-Isopropyltoluene	2150
99-93-4	p-Hydroxyacetophenone	1983
99-94-5	p-Toluic acid	3808
99-96-7	p-Hydroxybenzoic acid	1984
99-99-0	p-Nitrotoluene	2712
100-00-5	4-Chloronitrobenzene	803
100-01-6	4-Nitroaniline	2683
100-02-7	4-Nitrophenol	2704
100-10-7	Dimethylaminobenzaldehyde	1361
100-18-5	p-Diisopropylbenzene	1327
100-20-9	Terephthaloyl chloride	3674
100-21-0	Terephthalic acid	3673
100-22-1	Wurster's blue	4105
100-29-8	4-Nitrophenetole	2703
100-37-8	2-Diethylaminoethanol	1243
100-40-3	4-Vinylcyclohexene	4075
100-41-4	Ethylbenzene	1615
100-42-5	Styrene	3590
100-44-7	Benzyl chloride	361
100-47-0	Benzonitrile	338
100-50-5	4-Formylcyclohexene	1791
100-51-6	Benzyl alcohol	358
100-52-7	Benzaldehyde	317
100-53-8	Benzyl mercaptan	366
100-54-9	3-Cyanopyridine	998
100-64-1	(Hydroxyimino)cyclohexane	1995
100-69-6	2-Vinylpyridine	4078
100-70-9	Picolinonitrile	3031
100-74-3	N-Ethyl morpholine	1679
100-88-9	Cyclamic acid	1003
100-97-0	Methenamine	2394
100-99-2	Triisobutylaluminum	3937
101-02-0	Triphenyl phosphite	3992
101-05-3	Anilazine	222
101-14-4	Methylenebis(chloroaniline)	2456
101-20-2	Triclocarban	3887
101-21-3	Chlorpropham	837
101-34-8	Glyceryl triacetyl ricinoleate	1849
101-37-1	Triallyl cyanurate	3836
101-41-7	Mephaneine	2339
101-43-9	Cyclohexyl methacrylate	1022
101-54-2	4-Aminodiphenylamine	147
101-61-1	Michler's base	2550
101-63-3	Bis(4-nitrophenyl) ether	417
101-64-4	Variamine	4058
101-67-7	Bis(p-octylphenyl)amine	421
101-68-8	Diphenylmethyl diisocyanate	1475
101-72-4	4-Isopropylaminodiphenylamine	2134
101-77-9	Dianilinomethane	1116
101-80-4	Bis(4-aminophenyl) ether	386
101-83-7	Dicyclohexylamine	1222
101-84-8	Diphenyl ether	1471
101-86-0	α-Hexylcinnamaldehyde	1949
101-91-7	4-Butyramidophenol	587
101-96-2	N,N'-Di-s-butyl-p-phenylenediamine	1151
101-99-5	Phenylurethane	2993
102-01-2	Acetoacetanilide	19
102-06-7	Diphenylguanidine	1473
102-07-8	Carbanilide	672
102-08-9	Diphenylthiourea	1480
102-09-0	Phenol Carbonate	2947
102-13-6	Iphaneine	2062
102-27-2	N-Ethyl-m-toluidine	1703
102-60-3	Edetol	1561
102-71-6	Triethanolamine	3907
102-76-1	Triacetin	3831
102-77-2	4-(2-Benzothiazolylthio)morpholine	347
102-82-9	Tributylamine	3855
102-85-2	Tributyl phosphite	3858
102-92-1	Cinnamoyl chloride	877
103-09-3	Octyl acetate	2768
103-11-7	Octyl acrylate	2770
103-23-1	Dioctyl adipate	1449
103-24-2	Dioctyl azelate	1451
103-30-0	Toluylene	3817
103-34-4	Sulfasan R	3612

103-49-1	Dibenzylamine	1127
103-69-5	Ethylaniline	1614
103-73-1	Phenetole	2942
103-76-4	Hydroxyethylpiperazine	1994
103-82-2	Phenylacetic acid	2971
103-83-3	Benzyldimethylamine	362
103-88-8	Bromoacetanilide	465
103-90-2	Acetaminophen	15
104-01-8	p-Methoxyphenylacetic acid	2408
104-15-4	p-Toluene sulfonic acid	3803
104-29-0	Chlorphenesin	836
104-38-1	Hydroquinone diethylol ether	1981
104-43-8	p-Dodecylphenol	1541
104-46-1	Anethole	218
104-54-1	Cinnamyl alcohol	878
104-55-2	Cinnamal	875
104-60-9	Phenylmercuric oleate	2985
104-66-5	Ethylene glycol diphenyl ether	1645
104-74-5	Laurylpyridinium chloride	2204
104-75-6	2-Ethyl hexylamine	1663
104-76-7	Octyl alcohol	2771
104-87-0	p-Tolyl aldehyde	3811
104-91-6	p-Nitrosophenol	2707
104-93-8	p-Methylanisole	2417
104-94-9	p-Anisidine	228
105-05-5	p-Diethylbenzene	1252
105-08-8	Cyclohexane-1,4-dimethanol	1015
105-16-8	Diethylaminoethyl methacrylate	1245
105-30-6	Isohexyl alcohol	2106
105-34-0	Methyl cyanoacetate	2437
105-39-5	Ethyl chloroacetate	1619
105-45-3	Methyl acetoacetate	2412
105-52-2	Bis(1,3-dimethylbutyl) maleate	400
105-55-5	Diethylthiourea	1277
105-56-6	Ethyl cyanoacetate	1621
105-57-7	Acetal	9
105-59-9	Diethanolmethylamine	1237
105-60-2	Caprolactam	662
105-62-4	Oleic acid, propylene ester	2800
105-64-6	Diisopropyl peroxydicarbonate	1332
105-67-9	Xylenol	4115
105-74-8	Lauroyl peroxide	2195
105-75-9	Dibutyl fumarate	1143
105-76-0	Dibutyl maleate	1146
105-87-3	Geranyl acetate, trans	1821
105-95-3	Ethylene brassylate	1631
105-97-5	Dicapryl adipate	1164
106-11-6	Diethylene glycol stearate	1263
106-12-7	Diethylene glycol monooleate	1262
106-14-9	Hydroxystearic acid	2009
106-17-2	Glycol ricinoleate	1863
106-22-9	Citronellol	885
106-23-0	Citronellal	884
106-24-1	Geraniol	1819
106-25-2	Nerol	2645
106-31-0	Butyric anhydride	589
106-42-3	p-Xylene	4114
106-43-4	p-Chlorotoluene	824
106-44-5	p-Cresol	960
106-46-7	p-Dichlorobenzene	1174
106-47-8	p-Chloroaniline	776
106-49-0	p-Toluidine	3809
106-50-3	p-Phenylenediamine	2978
106-58-1	N,N'-Dimethyipiperazine	1412
106-63-8	Isobutyl acrylate	2079
106-65-0	Dimethyl succinate	1415
106-75-2	Diethylene glycol chloroformate	1256
106-79-6	Dimethyl sebacate	1413
106-88-7	Ethyl oxirane	1684
106-89-8	Epichlorohydrin	1572
106-90-1	Glycidyl acrylate	1851
106-91-2	Glycidyl methacrylate	1853
106-92-3	Allyl glycidyl ether	90
106-93-4	Ethylene dibromide	1640
106-97-8	Butane	501
106-98-9	1-Butene	508
106-99-0	Butadiene	499
107-01-7	2-Butene	509
107-02-8	Acrolein	47
107-03-9	Propanethiol	3165
107-05-1	Allyl chloride	89
107-06-2	Ethylene dichloride	1641
107-12-0	Propionitrile	3183
107-13-1	Acrylonitrile	52
107-15-3	Ethylenediamine	1633
107-16-4	Glycolonitrile	1862
107-18-6	Allyl alcohol	88
107-19-7	Propargyl alcohol	3173
107-21-1	Ethylene Glycol	1644
107-22-2	Glyoxal	1868
107-25-5	Methyl vinyl ether	2532
107-29-9	Acetaldoxime	12
107-30-2	Chlorodimethyl ether	785
107-31-3	Methyl formate	2466
107-35-7	Taurine	3655
107-39-1	Diisobutylene	1302
107-40-4	2,4,4-Trimethyl-2-pentene	3969
107-41-5	Hexylene glycol	1950
107-43-7	Betaine	373
107-45-9	tert-Octylamine	524
107-46-0	Hexamethyldisiloxane	1926
107-51-7	Octamethyltrisiloxane	2753
107-54-0	3,5-Dimethyl 1-hexyn-3-ol	1394
107-56-2	Diisopropyl phosphorodithioate	1333
107-64-2	Dimethyldioctadecylammonium chloride	1383
107-71-1	t-Butyl peracetate	567
107-72-2	Trichloropentylsilane	3875
107-87-9	2-Pentanone	2910
107-88-0	Butylene Glycol	544
107-92-6	Butyric acid	588
107-93-7	Crotonic acid	967
107-96-0	3-Thiopropionic acid	3768
107-97-1	Sarcosine	3329
107-98-2	Methoxyisopropanol	2406
108-01-0	Deanol	1057
108-03-2	1-Nitropropane	2706
108-05-4	Vinyl acetate	4070
108-10-1	Methyl isobutyl ketone	2478
108-11-2	Isobutylmethylcarbinol	2086
108-18-9	Diisopropylamine	1324
108-19-0	Biuret	445
108-20-3	Diisopropyl ether	1331
108-21-4	Isopropyl acetate	2130
108-23-6	Isopropyl chloroformate	2138
108-24-7	Acetic anhydride	18
108-30-5	Succinic anhydride	3597
108-31-6	Maleic anhydride	2297
108-32-7	Propylene carbonate	3193
108-38-3	m-Xylene	4112
108-39-4	m-Cresol	958
108-42-9	m-Chloroaniline	774
108-44-1	m-Toluidine	3813
108-45-2	m-Phenylenediamine	2977
108-46-3	Resorcinol	3283
108-48-5	2,6-Lutidine	2267
108-62-3	Metaldehyde	2369
108-63-4	Bis(1-methylheptyl) adipate	415
108-65-6	Propylene glycol monomethyl ether acetate	3200

108-67-8	Mesitylene	2364
108-68-9	3,5-Xylenol	4119
108-73-6	Phloroglucinol	2996
108-75-8	Collidine	936
108-77-0	Cyanuric chloride	1002
108-78-1	Melamine	2334
108-80-5	Cyanuric acid	1001
108-82-7	sec-Nonyl alcohol	2724
108-83-8	Diisobutyl ketone	1304
108-87-2	Methyl cyclohexane	2439
108-88-3	Toluene	3790
108-89-4	γ-Picoline	3030
108-90-7	Chlorobenzene	778
108-91-8	Cyclohexylamine	1024
108-93-0	Cyclohexanol	1018
108-94-1	Cyclohexanone	1019
108-95-2	Phenol	2946
108-98-5	Thiophenol	3766
108-99-6	β-Picoline	3029
109-02-4	p-Methyl morpholine	2487
109-06-8	α-Picoline	3028
109-09-1	2-Chloropyridine	816
109-38-6	Butoxyethyl stearate	514
109-43-3	Dibutyl sebacate	1154
109-46-6	N,N'-Dibutylthiourea	1156
109-52-4	Valeric acid	4051
109-55-7	γ-(Dimethylamino)propylamine	1371
109-60-4	Propyl acetate	3190
109-66-0	Pentane	2907
109-67-1	1-Pentene	2912
109-69-3	Butyl chloride	535
109-72-8	Butyllithium	557
109-73-9	Butylamine	525
109-74-0	Butyronitrile	594
109-79-5	Butanethiol	503
109-83-1	Methylethanolamine	2459
109-86-4	Methoxyethanol	2404
109-87-5	Dimethoxymethane	1350
109-89-7	Diethylamine	1242
109-97-7	Pyrrole	3239
109-99-9	Tetrahydrofuran	3718
110-01-0	Tetrahydrothiophene	3725
110-02-1	Thiophene	3765
110-03-2	Dimethylhexanediol	1392
110-05-4	Di-t-butyl peroxide	1148
110-12-3	Methyl isoamyl ketone	2477
110-15-6	Succinic acid	3595
110-16-7	Maleic acid	2296
110-17-8	Fumaric acid	1799
110-18-9	Tetramethyl-1,2-ethanediamine	3734
110-19-0	Isobutyl acetate	2078
110-26-9	Methylene bisacrylamide	2451
110-27-0	Isopropyl myristate	2145
110-29-2	Decyl octyl adipate	1074
110-30-5	Ethylenediamine bisstearamide	1634
110-31-6	Kemamide® W-20	2170
110-33-8	Dihexyl adipate	1287
110-36-1	Butyl myristate	562
110-42-9	Methyl decanoate	2442
110-43-0	2-Heptanone	1894
110-44-1	Sorbic acid	3533
110-52-1	1,4-Dibromobutane	1129
110-54-3	Hexane	1937
110-57-6	1,4-Dichlorobutene	1181
110-60-1	Putrescine	3220
110-62-3	Valeraldehyde	4050
110-63-4	Butanediol	502
110-64-5	Butenediol	511
110-65-6	2-Butynediol	584
110-67-8	3-Methoxypropionitrile	2410
110-71-4	Dimethyl cellosolve	1378
110-80-5	Ethylene glycol ethyl ether	1647
110-82-7	Cyclohexane	1014
110-85-0	Piperazine	3046
110-86-1	Pyridine	3225
110-88-3	Paraformaldehyde	2858
110-89-4	Piperidine	3048
110-91-8	Morpholine	2580
110-94-1	Glutaric acid	1834
110-96-3	Diisobutylamine	1301
110-97-4	Diisopropanolamine	1322
110-98-5	Bis(2-hydroxypropyl) ether	411
111-01-3	Squalane	3551
111-02-4	Squalene	3552
111-03-5	1-Monoolein	2574
111-05-7	Monoisopropanolamine oleic acid amide	2572
111-11-5	Methyl caprylate	2432
111-14-8	Heptanoic acid	1892
111-15-9	Ethoxyethanol acetate	1605
111-17-1	3,3'-Thiodipropionic acid	3759
111-20-6	Sebacic acid	3337
111-21-7	Triethylene glycol diacetate	3920
111-26-2	Hexylamine	1947
111-27-3	Hexyl alcohol	1946
111-30-8	Glutaraldehyde	1833
111-34-2	Butyl vinyl ether	581
111-36-4	Butyl isocyanate	555
111-40-0	Diethylenetriamine	1264
111-41-1	Aminoethyl ethanolamine	148
111-42-2	Diethanolamine	1235
111-44-4	Bis(2-chloroethyl) ether	394
111-46-6	Diethylene glycol	1255
111-48-8	Thiodiglycol	3757
111-49-9	Hexahydroazepine	1920
111-55-7	Glycol diacetate	1857
111-57-9	Stearic acid monoethanolamide	3569
111-60-4	Ethylene glycol monostearate	1649
111-61-5	Ethyl stearate	1695
111-65-9	Octane	2754
111-66-0	Oct-1-ene	2762
111-69-3	Adiponitrile	63
111-70-6	Heptanol	1893
111-71-7	Heptanal	1890
111-76-2	Butoxyethanol	513
111-77-3	Methoxydiglycol	2403
111-82-0	Methyl laurate	2483
111-84-2	Nonane	2719
111-85-3	Octyl chloride	2772
111-86-4	Octylamine	2784
111-87-5	Octanol	2761
111-88-6	Octane-1-thiol	2755
111-90-0	Diethylene glycol ethyl ether	1260
111-91-1	Dichloromethoxy ethane	1195
111-92-2	Dibutylamine	1137
111-96-6	Diglyme	1285
111-97-7	Dicyanoethyl sulfide	1220
112-00-5	Laurtrimonium chloride	2197
112-02-7	Cetrimonium chloride	735
112-03-8	Steartrimonium chloride	3570
112-05-0	Pelargonic acid	2877
112-07-2	Butyl cellosolve acetate	534
112-10-7	Isopropyl stearate	2149
112-13-0	Decanoyl chloride	1067
112-15-2	Ethoxydiglycol acetate	1603
112-16-3	Lauroyl chloride	2194
112-18-5	Lauryldimethylamine	2201
112-24-3	Trientine	3905
112-25-4	Hexyl cellosolve	1948
112-27-6	Triethylene glycol	3919

112-29-8	1-Bromodecane	472
112-30-1	Decanol	1065
112-34-5	Butyl Ethyl Cellosolve	547
112-35-6	Triethylene glycol monomethyl ether	3923
112-38-9	Undecylenic acid	4037
112-39-0	Methyl palmitate	2499
112-40-3	Dodecane	1527
112-41-4	1-Dodecene	1531
112-42-5	Undecyl alcohol	4035
112-50-5	Triethylene glycol monoethyl ether	3922
112-52-7	Lauryl chloride	2200
112-53-8	Lauryl alcohol	2199
112-55-0	Dodecyl mercaptan	1537
112-57-2	Tetraethylenepentamine	3713
112-59-4	Diethylene glycol hexyl ether	1261
112-60-7	Tetraethylene glycol	3708
112-61-8	Methyl stearate	2516
112-62-9	Methyl oleate	2495
112-69-6	Dimethyl palmitamine	1405
112-70-9	Tridecanol	3893
112-72-1	Myristyl Alcohol	2600
112-75-4	Dimethyl myristamine	1400
112-80-1	Oleic acid	2797
112-84-5	Erucamide	1583
112-85-6	Behenic acid	306
112-86-7	Erucic acid	1584
112-88-9	1-Octadecene	2745
112-90-3	Oleamine	2796
112-91-4	Oleic acid nitrile	2799
112-92-5	Stearyl alcohol	3571
113-45-1	sium	2881
114-26-1	Propoxur	3184
114-91-0	Metyridine	2548
115-07-1	Propylene	3192
115-10-6	Dimethyl ether	1385
115-11-7	Isobutene	2076
115-19-5	Dimethylethynylmethanol	1387
115-21-9	Trichloroethylsilane	3871
115-27-5	Chlorendic anhydride	758
115-28-6	Chlorendic acid	757
115-29-7	Endosulfan	1569
115-32-2	Dicofol	1217
115-40-2	Bromcresol purple	461
115-69-5	2-Amino-2-methyl-1,3-propanediol	155
115-70-8	2-Amino-2-ethyl-1,3-propanediol	151
115-77-5	Pentaerythritol	2894
115-83-3	Pentaerythrityl tetrastearate	2898
115-86-6	Triphenyl phosphate	3991
115-90-2	Fensulfothion	1730
115-95-7	Linalyl acetate	2244
115-96-8	Trichloroethyl phosphate	3870
116-06-3	Aldicarb	73
116-14-3	Tetrafluoroethylene	3714
116-15-4	Hexafluoropropylene	1919
116-25-6	Glycoserve	1866
116-29-0	Tetradifon	3704
116-53-0	Methylethylacetic acid	2460
117-08-8	Tetrachlorophthalic anhydride	3696
117-12-4	Anthrarufin	236
117-18-0	Tecnazene	3659
117-39-5	Quercetin	3244
117-80-6	Dichlone	1167
117-81-7	Bis(2-ethylhexyl)phthalate	406
117-82-8	Dimethoxyethyl phthalate	1349
117-83-9	Dibutoxyethyl phthalate	1136
117-84-0	Di-n-octyl phthalate	1455
118-29-6	Hydroxymethylphthalimide	2001
118-48-9	Isatoic anhydride	2069
118-52-5	1,3-Dichloro-5,5-dimethyl hydantoin	1186
118-55-8	Phenyl salicylate	2969
118-56-9	Homosalate	1955
118-58-1	Benzyl salicylate	368
118-60-5	Octyl salicylate	2780
118-61-6	Ethyl salicylate1	693
118-71-8	Maltol	2305
118-74-1	Hexachlorobenzene	1904
118-75-2	Chloranil	754
118-78-5	Uramil	4040
118-79-6	Tribromophenol	3851
118-82-1	Di(4-hydroxy-3,5-di-t-butylphenyl)-methane	1296
118-90-1	o-Toluic acid	3807
118-92-3	Anthranilic acid	233
118-93-4	o-Hydroxyacetophenone	1982
118-96-7	Trinitrotoluene	3982
119-06-2	Ditridecyl phthalate	1515
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5259-88-1	Oxycarboxin	2835
5281-04-9	CI Pigment Red 57:1	870
5321-32-4	Hetacillin potassium	1900
5323-95-5	Sodium ricinoleate	3501
5324-84-5	Sodium octylsulfonate	3481
5329-14-6	Sulfamic acid	3609
5332-73-0	Propanolamine methyl ether	3168
5333-42-6	Octyldodecanol	2786
5355-16-8	Diaveridine	1119
5356-84-3	Vinyl tris(trimethylsiloxy) silane	4084
5392-40-5	Citral	882
5419-55-6	Triisopropyl borate	3943
5421-46-5	Ammonium thioglycollate	204
5456-28-0	Ethyl selenac	1694
5460-09-3	Sodium hydrogen 4-amino-5-hydroxy-naphthalene-2,7-disulfonate	3440
5466-77-3	Octyl methoxycinnamate	2775
5468-75-7	CI Pigment Yellow 14	872
5534-95-2	Pentagastrin	2904
5567-15-7	Pigment yellow 83	3035
5579-93-1	Iopydone	2059
5598-13-0	Chlorpyrifos methyl	839
5598-52-7	Fospirate	1794
5633-20-5	Oxybutynin	2833
5707-69-7	Drazoxolon	1553
5766-67-6	Ethylenediaminetetraacetonitrile	1638
5793-94-2	Calcium verate	653
5809-23-4	o-(4-(Diethylamino)salicyloyl)-benzoic acid	1247
5810-88-8	Bis(2-ethylhexyl) dithiophosphate	402
5836-29-3	Racumin®	3262
5862-38-4	6,13-Dihydroquinacridone	1294
5873-54-1	2,4'-Diisocyanatodiphenylmethane	1308
5888-33-5	Isobornyl acrylate	2072
5892-10-4	Bismuth subcarbonate	433
5902-51-2	Terbacil	3666
5915-41-3	Terbuthylazine	3670
5959-89-7	1,4-Anhydro-D-glucitol 6-dodecanoate	221
5968-11-6	Sodium carbonate	3394
5980-31-4	Hexedine	1942
5989-27-5	d-Limonene	2242
5989-81-1	α-D-Lactose	2181
5994-61-6	Phosphonomethyliminodiacetic acid	3003
5995-42-6	Ethanolaminedi(methylene-phosphonic acid)	1597
6001-97-4	Bis(1-methylamyl) Sodium Sulfo-succinate	413
6009-70-7	Ammonium oxalate	192
6028-47-3	Bis(1,3-dimethylbutyl) dithiophosphate	398
6059-47-8	Codeine	933
6080-56-4	Lead diacetate	2215
6104-30-9	Isobutylidene diurea	2084
6144-28-1	Dilinoleic acid	1338
6145-73-9	Tris(2-chloropropyl) phosphate	4004
6147-53-1	Cobaltous acetate	919
6153-56-6	Oxalic acid dihydrate	2822
6196-95-8	Phenyl xylyl ethane	2970
6197-30-4	Neo Heliopan® 303	2633
6202-23-9	Cyclobenzaprine Hydrochloride	1005
6272-74-8	Lapyrium chloride	2188
6281-42-1	1-(2-Aminoethyl)imidazolidin-2-one	149
6284-40-8	Meglumine	2333
6289-46-9	Dimethyl succinylsuccinate	1416
6294-34-4	Bis(2-chloroethyl) 2-chloroethyl-phosphonate	393
6317-18-6	Methylene bis(thiocyanate)	2450
6358-85-6	CI Pigment Yellow 12	871
6375-47-9	3'-Amino-p-acetanisidide	136
6381-61-9	Saccharin ammonium	3318
6381-77-7	Sodium erythorbate	3426
6386-38-5	Methyl 3-(3,5-di-t-butyl-4-hydroxy-phenyl)propionate	2445
6419-19-8	Nitrilotrimethanephosphonic acid	2681
6422-86-2	Bis(2-ethylhexyl) terephthalate	404
6422-99-7	Hexamethylenediamine sebacate	1933
6423-43-4	Propylene glycol dinitrate	3198
6440-58-0	DMDM hydantoin	1522
6471-78-9	o-Toluenesulfonic acid, 4-amino-5-methoxy-	3802
6473-13-8	C.I. Direct Black 22	595
6484-52-2	Ammonium nitrate	190
6487-48-5	Potassium oxalate	3118
6542-37-6	Hydroxymethyl-1-aza-3,7-dioxa-bicyclo[3.3.0]octane	1998
6620-60-6	Proglumide	3155
6651-25-8	Tridocosylaluminum	3902
6651-26-9	Tritetracosylaluminum	4018
6651-27-0	Trioctacosylaluminum	3983
6674-22-2	Diazabicycloundecene	1120

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6731-36-8	Bisbutyl peroxy trimethylcyclohexane	391
6804-07-5	Carbadox	670
6812-78-8	Rhodinol	3293
6834-92-0	Sodium metasilicate	3464
6837-24-7	Cyclohexyl pyrrolidone	1023
6842-15-5	Propylene tetramer	3205
6843-66-9	Dimethoxydiphenylsilane	1348
6846-50-0	Isobutyric acid, 1-isopropyl-2,2-dimethyltrimethylene ester	2092
6863-58-7	sec-Butyl ether545	
6865-35-6	Barium stearate	301
6876-13-7	cis-Pinane	3037
6881-94-3	2-(2-Propoxyethoxy)ethanol	3185
6891-44-7	2-(Methacryloyloxy)ethyltrimethyl-ammonium methyl sulfate	2384
6915-15-7	Malic acid	2301
6938-94-9	Diisopropyl adipate	1323
7005-47-2	2-Dimethylamino-2-methyl-1-propanol	1368
7023-61-2	C.I. Pigment Red 48, calcium salt	597
7085-19-0	Mecoprop	2327
7085-85-0	Ethyl cyanoacrylate	1622
7173-51-5	Didecyldimethylammonium chloride	1230
7173-62-8	N-Oleyl-1,3-propanediamine	2806
7179-49-9	Lincomycin hydrochloride monohydrate	2245
7205-52-9	Sodium phytate	3495
7212-44-4	Nerolidol	2646
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7351-61-3	Methacrylic acid, 3-(trichlorosilyl)-propyl ester	2382
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7361-61-7	Xylazine	4110
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7396-58-9	Di(decyl)methylamine	1231
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7446-19-7	Zinc sulfate	4159
7446-20-0	Zinc sulfate	4160
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7447-40-7	Potassium chloride	3097
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7647-15-6	Sodium bromide	3388
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7722-76-1	Ammonium phosphate monobasic	197
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7722-88-5	Sodium pyrophosphate	3499
7723-14-0	Phosphorus	3010
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www.abccompounding.com

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Accurate Chem. & Sci. Corp.
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www.accuratechemical.com

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American Cyanamid Co.
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BASF plc
Carl-Bosch-Strasse 38,
Ludwigshafen, Germany 67056
(49) 621 60-0; Fax: (49) 621 60-42525
www.basf-ag.de

BASF Specialty Products
26 Davis Drive,
Research Triangle Park, NC, 27709
(800) 545-9525
www.basf.com

Battle Hayward & Bower Ltd.
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bhb@battles.co.uk

Baxter Health Care Systems
One Baxter Pkwy,
Deerfield, IL 60015, USA
708-948-2000
www.baxter.com

Bayer Corp.
PO Box 4913,
Kansas City, MO, 64120
(816) 242-2000; (800) 842-8020
www.bayer.com

Bayer Corp.
PO Box 390,
Shawnee Mission, KS, 66201
www.bayer.com

Bayer plc
BayerWerk,
Leverkusen, Germany, 'D-5090
(49) 214-301, (49) 214-306-5136
www.bayer.com

Bayer Corp., Agriculture
Carl-Bosch-Strasse 38,
Ludwigshafen, Germany, D-67056
(49) 621-6060, (49) 621-604-2525
www.bayer.com

BDH Laboratory Supplies
See: EMD Chemicals Inc.

Becker Underwood Inc.
801 Dayton Avenue,
Ames, IA, 50010
(800) 232-5907; (515) 232-5907
www.bucolor.com

Becton Dickinson
1 Becton Drive
Franklin Lakes, NJ 07417
(201) 847-6800

Bell Flavors & Fragrances, Inc.
500 Academy Dr.,
Northbrook, IL, 60062-2497
(847) 291-8300, (847) 291-1217
www.bellff.com

Bell Laboratories/Motomco Ltd.
3699 Kinsman Blvd.,
Madison, WI, 53704
(800) 323-6628, (608) 241-0202

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5 Lawrence St.
Bloomfield, NJ 07003-4604
973-748-8980, Fax 973-680-9618

Berk Pharmaceuticals
St Leonards House, St Leonards,
Eastbourne, Sussex, BN21 3YG, UK
44-1323-501111

Berlex Laboratories Inc.
300 Fairfield Road,
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Fax 201-305-5365

Bernel Chemical Co.
174 Grand Ave.,
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201-569-8934, Fax 201-569-1741

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Berol Nobel Ltd.
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Betzdearborn
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www.betzdearborn.com

Bio-Cide International Inc.
PO Box 722170, 2845 Broce Drive,
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(405) 329-5556
www.bio-cide.com

Bio-Rad Labs.
1000 Alfred Nobel Drive
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www.biorad.com

Biosensory, Inc.
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(860) 423-3009
www.nomorebites.com

Biosentry, Inc.
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Stone Mountain, GA, 30083
(770) 723-9211
www.biosentry.com

Biosynth AG
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www.biosynth.com

Biosys
Certis USA LLC
9145 Guilford Road, Suite 175
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Biotex Laboratories International Ltd.
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www.wm-blyth.co.uk

BOC Gases
See: BOC Group plc.

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Fax 44-1276-71333
www.boc.com

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www.boehringer-ingelheim.com

Boehringer Ingelheim Vetmedica Inc.
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www.bi-vetmedica.com

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www.boehringer-ingelheim.com

Boehringer Mannheim GmbH
See: Roche Diagnostics Corp.

Bofors

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Fax 404-239-6701

Bonide Products, Inc.
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Oriskany, NY, 13424
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www.bonideproducts.com

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Nottingham, Notts, NG2 3AA, UK
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www.boots.co.uk

Boots Pharmaceuticals Inc.
300 Tri-State International Center,
Suite 200,
Lincolnshire, IL, 60069-4415
(708) 405-7400, (708) 405-7505

Borax Consolidated Ltd
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www.borax.com

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BP Chemicals Ltd.
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www.bp.com

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www.bristolmyers.com

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www.bristolmyers.com

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Bromhead & Denison Ltd.

Bromine & Chems. Ltd.
See: Solaris Chemtech Ltd.

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Buffalo, NY 14240-7027

Burroughs Wellcome Inc.
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Fax 919-248-8375

Burts & Harvey

Bush Boake Allen
See: International F&F
Blackhorse Lane,
Walthamstow, London, E17 5QP, UK
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www.bushboakeallen.com

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www.cabot-corp.com

Cabot Carbon Ltd.
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Stanlow-Ellesmere Port,
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Caffaro SpA
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Calgene
See: Lambent Technologies Corp.,

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Callery Chem. Co.
See: BASF Corp

Callery Chem. Co. UK
See: BASF Corp

Camphor and Allied Products

Cape Fear Chemicals Inc
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Carborundum Corp.
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Carbo-Tech Composites GmbH
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www.carbotech.at

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Catalyst Resources Inc.

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Cedar Chemical Corp.
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Memphis, TN, 38137
(901) 685-5348
www.cedarchem.com

Celaflor GmbH
Konrad-Adenauer-Str. 30
Ingelheim, Germany, 55218
49 6132-7803-0, 49 6132-7803-142
www.cefaclor.de

Celtic Chem. Ltd.

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Lompoc, CA 93438-0519, USA
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Celite Pacific
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Celite (UK) Ltd.,
Livingston Rd.,
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Fax 44-1482-64-1176

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3697 Mt. Diablo Blvd., Suite 310,
Lafayette, CA, 94549
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www.centralgardenandpet.com

Cequisa SA
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Corpo, A-2A,
Lisbon, Portugal, 1600-491
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Cerac Inc.
PO Box 1178, 407 N. 13th St.
Milwaukee, WI 53201-1178
(414) 289-9800, Fax (414) 289-9805
www.cerac.com

Cerestar U.S.A. Inc.
1100 Indianapolis Boulevard,
Hammond, IN, 46320-1094
219-473-5887, 219-473-6601
www.cerestar.com

Cerexagri Decco Inc.
see: Cerexagri, Inc.

Cerexagri, Inc.
630 Freedom Business Ctr., Suite 402,
King of Prussia, PA, 19406
(800) 438-6071
www.cerexagri.com

Certis USA LLC
9145 Guilford Rd., Suite 175,
Columbia, MD, 21046
(800) 847-5620
www.certisusa.com

CFPI Agro SA
Lobeco Products Inc.
PO Box 630,
Lobeco, SC, 29931-0630
(843) 846-8171

Champion Technologies Inc.
3355 W. Alabama, Ste. 400,
Houston, TX, 77098
(713) 627-3303; Fax: (713) 623-8083
www.champ-tech.com

Charkit Chemical Corp.
9 Old Kings Highway South
P.O. Box 1725
Darien, CT 06820-1725
(203) 655-3400, Fax (203) 655-8643
www.charkit.com

Chase Products Co.
19th and Gardner Road,
Broadview, IL, 60155
(800) 242-7326; (708) 865-1000,
(708) 865-0923
www.chaseproducts.com

Cheltec Inc.
2215 Industrial Blvd.,
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(800) 536-8667; (941) 335-1045
www.cheltec.com

Chemax International
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www.chemax.com

Chemax, Inc.
PO Box 6067,
Greenville, SC 29606, USA
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Fax 864-277-7807
www.chemax.com

Chemcentral Corp.
7050 W. 71 St.,
PO Box 730,
Bedford Park, IL 60499-0730, USA
708-594-7000, 800-331-6174,
Fax 708-594-6328

Chemical Cealin Co. Inc.
961 Blaine Ave.,
Salt Lake City, UT, 84105
(801) 484-1145

Chemical Packaging Corp.
2700 SW 14th. St.,
Pompano Beach, FL, 33069,
(954) 974-5440

Chemical Specialties Inc.
One Woodlawn Green, Suite 250,
Charlotte, NC, 28217
(704) 522-0825; (800) 421-8661;
Fax: (704) 527-8232
www.treatedwood.com

Chemie Linz N. Am.
See: DSM Chemie Linz GmbH

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www.cheminova.dk

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Chemron
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Paso Robles, CA, 93446-8524
(805) 239-1550
www.chemron.com

Chem-Serv Inc.
3205 Maverick Drive,
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(903) 988-2215; Fax: (903) 988-1136
www.chem-serv.com

Chemtreat Inc.
4301 Dominion Boulevard,
Glen Allen, VA, 23060
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www.chemtreat.com

Chem-Y GmbH
See: Kao Corp.

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www.chevron.com

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Christiaens S.A.
See: Nycomed Christiaens S.A.

Cia-Shen

Ciba Geigy Agrochemicals
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Cilag-Chemie Ltd.

CK Witco (Europe) S.A.
See: Witco (Europe)

CK Witco Chem. Corp.
See: Witco Corp.

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www.clariant.com

Clearwater Inc.
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www.cwichem.com

Cleary Chemical Corp.
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www.clearychemical.com

Cleary W. A.
See: Cleary Chemical Corp.

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Conseal International Inc.
728 Industry Rd.,
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Continental Sulfur Co. LLC
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Memphis, TN, 38137
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Controlled Solutions
5903 Genoa-Red Bluff,
Pasadena, TX, 77507
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Corn Products International Inc.
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Bedford Park, IL 60501-1933
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Creative Sales Inc.
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Crookes Healthcare Ltd.
See: Boots Co. Plc

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Joliet, IL 60435-4373
(800) 727-3651, (815) 727-3651, Fax (815) 727-5312

Crowley Tar Prods.
261 Madison Avenue, Fl. 14
New York, NY 10016-2303
(212) 682-1200

Crown Metro

Crystal Inc./H & S Chemical
970 E. Tipton St.,
Huntington, IN, 46750
(219) 358-9154, Fax (219) 358-9154

CTX-Cenol Inc.
25801 Solon Rd.,
Bedford Heights, OH, 44146
(888) 281-7025

Cuproquim Corp.
6075 Poplar, Suite 500,
Memphis, TN, 3811
(901) 761-0050

Cyanamid of Great Britain Ltd.
Fareham Rd.,
Gosport, Hants, UK, PO13 0AS

Cytec
5 Garret Mountain Plaza,
W. Patterson, NJ, 07424
(800) 652-6013
www.cytec.com

Cyprus Industrial Min.
2600 N. Central Avenue
Phoenix, AZ 85004

D.I.E. Corp.

Daicel (U.S.A), Inc.
One Parker Plaza, 400 Kelby Street,
Fort Lee, NJ, 7024
(201) 461-4466; Fax: (201) 461-2776
www.daicel.co.jp

Daicel Chem. Ind.
1, Teppo-cho, Sakai-sha,
Osaka, Japan, 590-8501
81 722 27 3111; Fax: 81 722 27 3000
www.daicel.co.jp

Daihachi Chem. Ind. Co. Ltd.
1-9 Nitto-cho, Handa-shi,
Aichi, Japan, 475-0033

Dajac Labs.
See: Monomer-Polymer & Dajac Laboratories Inc.

Danbert Chemical Co.

Dead Sea Bromine
Israel Chemicals Ltd.
Beer Sheva, Israel

Dean AG
3600 North River Rd.,
Franklin Park, IL, 60131-2185

Decco
Vale Lane, Hartcliffe Way
Bedminster, Bristol
BS3 5RR, UK
+44 0117966-9364, Fax: +44 0117 953-5279

Degen Co.
200 Kellogg Street, PO Box 5240
Jersey City, NJ 07305
(201) 432-1192, Fax (201) 432-8483

Degussa AG
Weissfrauenstr. 9,
Frankfurt/M, Germany, 60287
49 69 21801, Fax 49 69 218-3218
www.degussa.de

Degussa-Hu+a5ls Corp.
65 Challenger Rd.,
Ridgefield Park, NJ 07660, USA
201-807-3224, 800-237-6745, Fax 201-807-3111
www.degussa.com

Degussa Ltd.
Earl Rd, Stanley Green,
Handforth, Wilmslow, Cheshire, SK9 3RL, UK
44-161-486-6211, Fax 44-161-485-6445
www.degussa.com

Delavau J. W. S Co. Inc.
2140 Germantown Avenue
Philadelphia, Pa 19122
(215) 235-1100, Fax (215) 235-2202

Dermik Labs. Inc.
500 Arcola Road,
P.O. Box 1200,
Collegeville, PA 19426-0107, USA
312-687-7440

Devere Chemical Co.
PO Box 8444, 1923 Beloit Ave.,
Janesville, WI, 53545

Diachem SpA
via Tonale, 15-24061
Albano S.A., Italy
035 581228

Diamalt GmbH
Georg-Reismuller-Strasse 32,
Munich, Germany
49 89-81060; Fax: 49 89-8106513

Diverseylever Inc.
3630 E. Kemper Rd.,
Sharonville, Cincinnati, OH, 45241-2046
(513) 554-4200; Fax: (513) 554-4330

Dover Chemical Corp.
PO Box 40, 3676 Davis Rd. NW,
Dover, OH, 44622
(330) 343-7711; Fax: (330) 364-1579
www.doverchem.com

Dow Agrosciences, Crop Protection
9330 Zionsville Rd., Bldg. 308,
Indianapolis, IN, 46268
(800) 352-6776; Fax: (800) 258-3033
www.dowagro.com

Dow Chemical North America
2040 Willard H. Dow Center,
Midland, MI 48674, USA
517-636-1000, 800-441-4DOW
Fax 517-636-9752
www.dow.com/

Dow Corning Corp.
PO Box 0994,
Midland, MI 48686-0994, USA
517-496-4000, 800-248-2481
Fax 517-496-4586
www.dowcorning.com

Dow Chemical Europe S.A.
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CH-8810 Horgen, Switzerland
41-1-728-2095
Fax 41-1-728-3081
www.dow.com/

Dow Chemical Co. Ltd.
2 Heathrow Boulevard, 284 Bath Road,,
W. Drayton, Middlesex, UK, UB7 ODQ
44 181 917 5000; Fax: 44 181 917 5400
www.dowcorning.com

DowElanco Ltd.
See: Dow Agrosciences, Crop Protection

Dragon Chemical Corp.
PO Box 7311,
Roanoke, VA, 24019
(540) 362-3657
www.dragonchemical.com

Drew Industrial
Division of Ashland Inc.,
One Drew Plaza,
Boonton, NJ, 07005-1924
(973) 263-7636

Drexel Chemical Co.
PO Box 13327,
Memphis, TN, 38113
(901) 774-4370
www.drexchem.com

Dry Branch Kaolin Inc.
Highway 80 S,
Dry Branch, GA, 31020
(478) 945-3125

DSM Chemie Linz GmbH
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DSM Fine Chemicals Inc.
Park 80 West, Plaza 2,
Saddle Brook, NJ, 07663-5817
(201) 845-4404; Fax: (201) 845-4406
www.dsm.com

DuPont Chemicals
1007 Market St.,
Wilmington, DE 19898, USA
800-441-7515
www.dupont.com

DuPont (UK) Ltd.
Wedgewood Way,
Stevenage, Herts, SG1 4QN, UK
44-1438-734026, Fax 44-1438-734379
www.dupont.com

DuPont Merck Pharmaceuticals
Barley Mill Plaza,
Wilmington, DE 19880-0025, USA
302-992-5000, 800-441-9861,
Fax 302-892-8530
www.dupont.com

Eagle-Picher Industries
PO Box 550,
C & Porter Sts.,
Joplin, MO 64801, USA
417-623-8000, Fax 417-782-1923

Earth Care
PO Box 282,
Palm Harbor, FL, 34682
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Eastman Chemical Products
PO Box 431,
Kingsport, TN 37662-5280, USA
423-229-2000, 800-EASTMAN,
Fax 423-229-1196,
www.eastman.com/

Eaton, J. T. & Co. Inc.
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www.jteaton.com

ECC International
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Fax 404-303-4384
www.ecc.com

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www.ecc.com

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www.ecolab.com

Eka Nobel Inc.
2622 Nashville Ferry Rd. East,
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770-956-2520, 800-821-9486,
www.ekanobel.com

Electrochem. Inc.
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www.elementis-eu.com

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Philadelphia, PA 19103-3222, USA
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www.elf-atochem.com

Eli Lilly & Co.
Lilly Corporate Center,
Indianapolis, IN 46285, USA
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www.lilly.com

Elkins-Sinn Pharmaceutical Co.
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Cherry Hill, NJ 08002-4009
(610) 688-4400

Elliott, Thomas Ltd.

Ellis & Everard plc
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South Bank Road, Cargo Fleet,
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www.elliseverard.com

Elm Research Institute
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Westmoreland, NH, 3467
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www.forelms.org

EM Industries, Inc.
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Hawthorne, NY 10532, USA
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Fax 914-592-9469

Embetec Crop Protection Ltd.
See: Embetec BV

Embetec BV
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Netherlands, 4130
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Fax 713-940-0761
www.eni.it

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I-20090 Assago, Milan, Italy
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www.eni.it
Ensystex Inc.
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Fayetteville, NC, 28302
(910) 484-6163
www.ensystex.com

Entek Corp.
6835 Deerpath Rd., Suite E,
Elkridge, MD, 21075

Environ Intercontinental Ltd.
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Lehigh Acres, FL, 33971
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Environmental Laboratories, Inc.
2304 Gulf Life Tower,
Jacksonville, FL, 32207

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www.enzypharm.nl

Eprova AG
See: Merck-Eprova AG

Equistar Chemical Products
See: Lyondell Chemical Co.

Esprit Chem. Co.
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www.espritchem.com

Estron Chemical, Inc.
409 N. Main Street
Calvert City, KY 42029
(270) 395-4195, Fax (270) 395-5070
www.estron.com

Ethicon Inc.
Rt 22, PO Box 151,
Somerville, NJ 08876, USA
908-218-0707

Ethitek Pharmaceuticals Co.
7701 N. Austin Avenue
Skokie, IL 60077

Ethyl Corpn.
330 S. Fourth St.,
Richmond, VA 23217
(804) 788-5000

Evans Chemetics
See: Hampshire Chemicals

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Fax 713-870-6661
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ExxonMobil Chem. Co.
4999 Scenic Highway
Baton Rouge, LA 70805-3359
www.exxonchemical.com

Fabrichem
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Fairfield, CT 06430
(203) 366-1820, Fax (203) 366-1850
www.fabricheminc.com

Fabriquimica
Calle 32, No. 3313
San Martin (B16501JA)
Buenos Aires, Argentina
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www.fabriquimica.com

Faesy & Besthoff Inc.
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Edgewater, NJ, 07020
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Fahlberg-List
See: Salutas Pharma GmbH

Fair Products
PO Box 386,
Cary, NC, 27512
(919) 467-8352

Fairmount Chemical Co.
117 Blanchard St.,
Newark, NJ 07105, USA
201-344-5790, 800-872-9999, Fax 201-690-5298

Faith, Keyes and Clark
See: Wiley, John

The Fanning Corp.
2450 W. Hubbard St.,
Chicago, IL 60612-1408, USA
312-563-1234, Fax 312-563-0087

Fargro Ltd.
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Littlehampton, W.Sussex, UK, BN17 7PP
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www.fargro.co.uk

Farleyway Chem. Ltd.
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Farm Protection Ltd.

Farmers Crop Chemicals Ltd.
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44-01386-793401, Fax 44-01386-793184

Farmitalia Carlo Erba Ltd.
Italia House
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Farnam Companies Inc.
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www.farnam.com

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Budapest, H1223, Hungary
36 424 0313; 36 424 0314; Fax: 36 424-0314

Fermenta Animal Health Co.
See: Boehring-Ingelheim Vetmedica Inc.

Ferro Corp./Bedford
7050 Krick Rd.,
Bedford, OH 44146, USA
216-641-8580, 800-321-9946, Fax 216-439-7686
www.ferro.com

Ferro Corp./Grant Chemicals
111 W. Irene Rd.,
Zachary, LA 70791-9738, USA
www.ferro.com

Ferro Corp./Keil Chemicals
3000 Sheffield Ave.,
Hammond, IN 46320, USA
219-931-2630, 800-628-9079, Fax 219-931-0895
www.ferro.com

Ferro Corp./Transelco
Box 217, 1789 Transelco Dr.
Penn Yan, NY 14527, USA
315-536-3357, Fax 315-536-8091
www.ferro.com

Ferro-Pfanstiehl
Ferro Corp.
1000 Lakeside Avenue
Cleveland, OH 44114-7000
(216) 641-8580
www.ferro.com

Fina Chemicals
52 Rue de l'Industrie,
B-1040 Brussels, Belgium
32-2-288 9132
Fax 32-2-288-3322

Fina plc
Fina House, 1 Ashley Ave,
Epsom, Surrey, KT18 5AD, UK
44-1372-726226
Fax 44-1372-744520

Fine Agrochemicals Ltd.
Hill End House, Whittington
Worcester, UK, WR5 2R
www.fine-agrochemicals.com

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www.firmenich.com

Fisher Scientific International Inc.
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(603) 926-5911, Fax (603) 929-2379
webmaster@nh.fishersci.com

Fisons plc, Pharmaceuticals
Weyside Park, Catteshall Lane,
Godalming, Surrey, GU7 1XE, UK
44-1483-410210, Fax 44-1483-410220

Fisons plc, Horticultural Div.
177 Sanfordville Rd.,
Warwick, NY, 10990

Flexabar Corp.
1969 Rutgers University Blvd.,
Lakewood, NJ, 8701

Florida Treatt
4900 Lakeland Commerce Parkway
Lakeland, FL 33805
(863) 668-9500, Fax (863) 422-5930
www.treatt.com

Florida Water Works, Inc.
505 Power Rd.,
Sanford, FL, 32771
(407) 324-5888

Fluka
See: Sigma-Aldrich Co.
www.sigma-aldrich.com

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www.fluorochem.net

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1735 Market St.,
Philadelpha, PA 19103, USA
215-299-6000, Fax 215-299-5999
www.fmc.com

FMC Corp./Chemical Products Group
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Philadelphia, PA 19103, USA
215-299-6000, 800-346-5101,
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FMC Corp./Pharmaceuticals
1735 Market St.,
Philadelphia, PA 19103, USA
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Fax 215-299-6821
www.fmc.com

Forest Pharm. Inc.
13600 Shoreline Drive
St. Louis, MO 63045
(800) 678-1605, (314) 493-7450
www.forestpharm.com

Fortune Biotech Ltd.
4937 Monaco Drive
Pleasanton, CA 94566
(925) 485-9849, Fax (925) 485-9831
www.fortunebiotech.com

Foseco (FS) Ltd.
Tamworth, Staffs, B78 3TL, UK
44-1827-289999, Fax 44-1827-250806
www.foseco.com

Foseco Ltd./Metallurgy
Tamworth, Staffs, B78 3TL, UK
www.foseco.com

Franklin Mineral Products
PO Drawer 390,
Hartwell, GA 30643, USA
706-376-3174, Fax 706-376-3044

Frinton Chemicals
PO Box 2428
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www.fujichemusa.com

G.H.G. Co. Inc.
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Lake Worth, FL, 33467
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Galderma Labs Inc.
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Fort Worth, TX 76133, USA
817-551-8664

Gattefosse Corp.
372 Kinderkamack Rd.,
Westwood, NJ 07675, USA
201-358-1700, Fax 201-358-4050

Gattefosse S.A.
36 Chemin de Genas,
BP 603,
69804 Saint Priest, C, France
33-78- 90-6311, Fax 33-78-90-4567

Gaylord Chemical Co.
PO Box 1209, 106 Galeria Blvd.,
Slidell, LA 70459-1209, USA
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Fax 504-649-0068

GB Biosciences Corp.
See: Syngenta Crop Protection

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www.ge.com

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Waterford, NY 12188, USA
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21800 Tungsten Rd,
Cleveland, OH 44117, USA
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GE Silicones

GE Specialities
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Morgantown, WV 26501
(304) 284-2353, Fax (304) 284-2307
www.ge.com/specialtychemicals

Gelest Inc.
612 William Leigh Drive
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(215) 547-1015, Fax (215) 547-2484
www.gelest.com

General Chemicals
13300 Foley Street
Detroit, MI 48227
(313) 491-0355, Fax (313) 491-8545
www.generalchem.com

Generic
422 N. 5th St.,
Milwaukee, WI, 53201

Genesee Polymers Corp.
G-5251 Fenton Rd.,
PO Box 7047,
Flint MI, 48507-0047, USA
810-238-4966, Fax 810-767-3016

Genstar Stone Products
Route 235
Hollywood, MD 20636
(410) 527-4000, Fax (410) 527-4535

Geoliquids Inc.
15 E. Palatine Rd., Suite 109,
Prospect Heights, IL 60070, USA
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Plaquemine, LA, 70765
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Georgia Gulf Corp.
PO Box 105197,
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Atlanta, GA 30348, USA
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Georgia Marble Co.
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Kennesaw, GA 30144-3619
(404) -421-6500, Fax (404) 421-6507

Georgia Pacific Corp.
133 Peachtree Street
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Georgia Pacific Resins
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Atlanta, GA, 30348
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Glaxo Wellcome Inc.
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www.glaxowellcome.com

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Gold Coast Chemical Products
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W. Main St., PO Box 160
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240 W. Emerling Avenue
Akron, OH 44301
330-374-2449
www.bfgoodrich.com

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1144-East Market St.,
Akron, OH 44316, USA
216-796-3845, 800-321-2385
www.goodyear.com

Goodyear Tire & Rubber
1485 E. Archwood Ave.,
Akron, OH 44306-3299, USA
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Gowan Co.
4885 W Riverside Dr.,
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1600 Oregon St.,
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www.greatlakeschem.com

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Hacco Inc.
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www.harcoschem.com

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www.harcoschem.com

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Hatco Corp.
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Hexcel Corp./Trevarn,
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International Gallium GmbH

International Hormones

International Paint, Inc.
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www.liphatech.com

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(513) 264-1222

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Quest International
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49-40-607970, Fax 49-40-6079710

Quest International
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www.reade.com

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Roche Applied Science
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Moscow, 123242, Russia
7-502-221-0000,
www.solutia.com

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#19-00 United Square,
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Solutia USA
1460 Broadway,
New York, NY 10036,
212-382-9600
www.solutia.com

Solutia Venezuela
Avenida Francisco de Miranda,
Edificio Parque Cristal,
Torre Este Piso 8 Ofc. 8-12,
Caracas, Los Palos Grandes,1062,
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www.solutia.com

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www.solvay.com

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PO Box 4859,
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Elkhart, IN 46514-0859, USA
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Fax 219-523-3800
www.solvay.com

Solvay Interox Ltd.
PO Box 7, Warrington,
Cheshire, WA4 6HB, UK
44-1925-651277, Fax 44-1925-655856
www.solvay.com

Solvay Polymers Inc.
3333 Richmond Ave.,
PO Box 27328,
Houston, TX 77227-7328, USA
713-525-4000, 800-231-6313,
Fax 713-522-7890
www.solvay.com

Solvay S.A.
33 rue du Prince Albert,
B-1050 Brussels, Belgium
32-509-6111, Fax 32-509-6617
www.solvay.com

Sorex Ltd.
St Michael's Industrial Estate,
Hale Road, Widnes,
Cheshire, WA8 8TJ, UK
44-151-420-7151, Fax 44-151-495-1163

Southern Agricultural Insecticides Inc.
Palmetto, FL
(914) 722-3285
www.southernag.com

Southern Agricultural Insecticides Inc.
Hendersonville, NC
(828) 692-2233
www.southernag.com

Southern Agricultural Insecticides Inc.
Boone NC
(828) 264-8843
www.southernag.com

Southern Clay Products
1212 Church St., PO Box 44
Gonzales, TX 78629
(210) 672-2891, Fax (210) 672-3650

Spartan Flame Retardants
PO Box 395
Crystal Lake, IL 60039
(815) 459-8500, Fax (815) 459-8560
www.spartancompany.com

Spectrum Chem. Manufacturing
755 Jersey Avenue
New Brunswick NJ 08901
(310) 516-7512

Spectrum Organic Products, Inc.
1304 South Point Blvd. Suite 280.
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(707) 778-8900; Fax: (707) 765-8470
www.spectrumnaturals.com

Speer Products Inc.
4242 B.F. Goodrich Blvd.
Memphis, TN 38118
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www.speerproducts.com

Spice King
6009 Washington Blvd.
Culver City, CA 90232-7488
(213) 836-7770, Fax (213) 836-6454

Spiess-Urania Chemicals GmbH
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www.spiess-urania.com

Squibb E.R. & Sons
See: Bristol-Myers Squibb Co.

SSC Chemical Corp.
P.O. Box 919
Bellmore, NY, 11710

Staley A. E. Mfg.
2200 E. Eldorado St., PO Box 151
Decatur, IL 62525
(217) 423-4411, Fax (217) 421-2881

Stepan Canada
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Orillia, Ont., L3V 6J6, Canada
705-326-7329, Fax 705-326-4523
www.stepan.com

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www.stepan.com

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38340 Voreppe, France
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www.stepan.com

Stepan/PVO.
100 West Hunter Ave.,
Maywood, NJ 07607, USA
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www.stepan.com

Steris Corp.
5035 Manchester Ave.
St. Louis, MO, 63110
(314) 535-1390
www.steris.com

Sterling Health U.S.A.
See: Sanofi-Winthrop

Sterling Research Laboratories,
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Guildford, Surrey, GU1 4YS, UK
44-1483-505515, Fax 44-1483-35432

Sterling Winthrop Inc.
See: Sanofi-Winthrop

Stiefel Labs Inc.
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www.sumitomo-chem.co.jp

Sundat (S) Pte. Ltd. (Singapore)
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Superfos Biosector A/S
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2950 Vedbaek
Denmark
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Surety Laboratories Inc.
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Sutton Labs.
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www.ticgums.com

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Tripart Farm Chemicals Ltd.

Troy Biosciences Inc.
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www.troybiosciences.com

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Truchem Ltd.
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Trutec Industries Inc.
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Springfield, OH, 45502
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TSE Industries

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U.S. Biochemical Corp.
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Fax 216-464-5075

U.S. Borax Inc.
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Valencia, CA 91355-1847, USA
805-287-5400, 800-US BORAX, Fax 800-626-4872

U.S. Fish and Wildlife Services
Arlington Square Bldg. MS 725
Washington, DC, 20240
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www.fws.gov

U.S. Gypsum Co.
125 S. Franklin St.
Chicago, IL, 60606
(312) 795-6831; Fax: (312) 606-4519
www.usg.com

U.S. Petrochemical Industries
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New Orleans, LA, 70112

UAP - Platte Chemical
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Greeley, CO, 80632
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www.uap.com

UAP- West
7108 N. Fresno, #410,
Fresno, CA, 93720
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www.uap.com

UCB Chemicals Corp.
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Smyrna, GA 30080, USA
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www.ucb.be

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www.ucb.be

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www.unioncamp.com

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www.unioncamp.com

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www.unioncamp.com

Union Carbide Canada
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d'Anjou, PQ, H1M 3M2, Canada
514-493-2610, Fax 514-493-2619
www.unioncarbide.com

Union Carbide Corp.
39 Old Ridgebury Rd.,
Danbury,CT,06817-0001, USA
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www.unioncarbide.com

Union Carbide Corp.
PO Box 12014,
Research Triangle Park, NC 27709, USA
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CH-1217 Meyrin (Geneve), Switzerland
41-22-989 66 53, Fax 41-22-989 6545
www.unioncarbide.com

Union Carbide (UK)
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Rickmansworth, Herts., WD3 1RB, UK
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www.uniroyal.com

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United Horticultural Supply
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Fremont, NE, 68025
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www.uhsonline.com

Unitex Chemical Corp.
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Unitex Ltd.
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Universal Cooperatives Inc.
Eagan, MN

Universal Crop Protection Ltd.
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Unocal Hydrocarbon Sales
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Rolling Meadows, IL 60008-4295, USA
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Fax 708-734-7677
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US Chemical Corp.
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Usines de Melle
See: Rhône Poulenc

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www.valentbiosciences.com

Valent USA Corp.
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www.valent.com

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www.rtvanderbilt.com

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Velsicol Chemical Corp.
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Vinings Industries Inc.
See: Kemira Chemicals

Virbac AH Inc.
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Vista Chemical Co.
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www.vitax.co.uk

Voluntary Purchasing Group Inc.
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Bonham, TX 75418
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Ward Blenkinsop
See: Great Lakes Fine Chemicals

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Warner-Lambert
See: Pfizer Inc.

Waterbury Companies Inc.
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Watson Pharmaceuticals
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Westwood-Squibb Pharm. Inc.
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