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OAD090 **CAS: 84012-26-0** **HR: 3**

OAT EXTRACT

SYN: AVENA SATIVA LINN., EXTRACT

TOXICITY DATA with REFERENCE:

ipr-mus LD50:94 mg/kg IJEBA6 12,512,1974

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.

OAD095 **CAS: 37203-43-3** **HR: 3**

OCHRATOXIN

TOXICITY DATA with REFERENCE:

orl-pig TDLo:35 µg/kg (female 21-28D post):TER
BVJOA9 133,412,77

orl-rat LD50:20 mg/kg 19FKA3 -,153,67

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. When heated to decomposition it emits acrid smoke and irritating fumes.

OAD100 **CAS: 89930-55-2** **HR: D**

OCHRATOXIN A SODIUM SALT

mf: C₂₀H₁₈ClNO₆•Na mw: 426.83

TOXICITY DATA with REFERENCE:

orl-rat TDLo:5 mg/kg (8-9D preg):REP ARCVBP
5,167,74

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻, NO_x, and Na₂O.

OAD200 **HR: D**

OCIMUM SANCTUM LINN., LEAF EXTRACT

SAFETY PROFILE: Experimental reproductive effects.

OAF000 **CAS: 68917-09-9** **HR: 2**

OCOTEA CYMBARUM OIL

PROP: Found in the tree *Ocotea cymbarum* containing 93% safrole, 5% sesquiterpenes, 0.7% pinene, 0.6% eugenol, 0.2% cineol, and 0.2% fufural (FCTXAV 16,637,78).

SYN: OIL of SASSAFRAS BRAZILIAN

TOXICITY DATA with REFERENCE:

skn-mus 100% FCTXAV 16,831,78

skn-rbt 500 mg/24H MOD FCTXAV 16,831,78

skn-pig 100% FCTXAV 16,831,78

orl-rat LD50:1580 mg/kg FCTXAV 16,831,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also individual components.

OAF100 **CAS: 126-14-7** **HR: 1**

OCTAACETYSUCROSE

mf: C₂₈H₃₈O₁₉ mw: 678.66

SYNS: α-D-GLUCOPYRANOSIDE, 1,3,4,6-TETRA-O-ACETYL-β-D-FRUCTOFURANOSYL-, TETRAACETATE (9CI) □ SUCROSE, OCTAACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTOD7 20,827,82

orl-rat LD50:>5 g/kg FCTOD7 20,827,82

skn-rbt LD50:>5 g/kg FCTOD7 20,827,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Slightly toxic by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OAF200 **CAS: 32536-52-0** **HR: 2**

OCTABROMOBIPHENYL ETHER

mf: C₁₂H₂Br₈O mw: 801.42

SYNS: BENZENE, 1,1'-OXYBIS-, OCTABROMO DERIV. □ 1,1'-OXYBISBENZENE OCTABROMO DERIV. □ BROMKAL 79-8DE □ CD 79 □ DE 79 □ DE-79 □ EB 8 □ FR 1208 □ FR 143 □ OCTABROMODIPHENYL ETHER □ OCTABROMODIPHENYL OXIDE □ PHENYL ETHER, OCTABROMO DERIV. □ TARDEX 80

TOXICITY DATA with REFERENCE:

orl-rat LD :>5 g/kg NTIS** OTS0522296

ihl-rat LC :>60 g/m³/1H NTIS** OTS0522296

skn-rbt LD :>2 g/kg NTIS** OTS0522296

SAFETY PROFILE: Moderately toxic by inhalation and skin contact. Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of Br⁻.

OAHO00 **CAS: 27858-07-7** **HR: 2**

OCTABROMODIPHENYL

mf: C₁₂H₂Br₈ mw: 785.42

PROP: White solid. Mp: 200–250°. Sol in water: 0.02–0.03 mg/l.

SYNS: BB-8 □ BROMKAL 80 □ OBB □ OCTABROMOBIPHENYL □ ar,ar,ar,ar,ar',ar',ar'-OCTABROMO-1,1'-BIPHENYL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:2000 mg/kg TXAPA9 22,316,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. Irritating to skin, eyes, and mucous membranes. Can cause kidney and liver enlargement and thyroid hyperplasia; it is stored in fatty tissue. When heated to decomposition it emits toxic fumes of Br⁻. See also POLYBROMINATED BIPHENYLS.

**OAH100 CAS: 1319-80-8 HR: 3
OCTACHLOROCAMPHENE**mf: C₁₀H₈Cl₈ mw: 411.78**SYNS:** BICYCLO(2.2.1)HEPTANE, 2,2-DIMETHYL-3-METHYLENE-, OCTACHLORO DERIV. □ NORBORNANE, 2,2-DIMETHYL-3-METHYLENE-, OCTACHLORO DERIV.**TOXICITY DATA with REFERENCE:**

orl-rat LD50:40 mg/kg PCOC** -,1146,66

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of Cl⁻.**OAJ000 CAS: 3268-87-9 HR: 3
OCTACHLORODIBENZODIOXIN**mf: C₁₂Cl₈O₂ mw: 459.72**PROP:** Colorless crystals or needles from trichlorobenzene. Mp: 330–332°.**SYNS:** NCI-C03678 □ OCDD □ OCTACHLORODIBENZO(b,e)-(1,4)DIOXIN □ OCTACHLORODIBENZO-p-DIOXIN □ 1,2,3,4,6,7,8,9-OCTACHLORODIBENZODIOXIN**TOXICITY DATA with REFERENCE:**

eye-rbt 2 mg MLD EVHPAZ 5,87,73

skn-mus TDLo:290 mg/kg/60W-I:ETA EVHPAZ 5,163,73

orl-rat LD50:1 mg/kg EXPEAM 38,879,82

CONSENSUS REPORTS: IARC Cancer Review: Animal Inadequate Evidence IMEMDT 15,41,77.**SAFETY PROFILE:** Poison by ingestion. An experimental teratogen. An eye irritant. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl⁻.**OAL000 CAS: 127-90-2 HR: 2
OCTACHLORODIPROPYLETHER**mf: C₆H₆Cl₈O mw: 377.72**SYNS:** BIS(2,3,3,3-TETRACHLOROPROPYL) ETHER □ ENT 25,456 □ MONSANTO CP-16226 □ S 421**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3630 mg/kg ARSIM* 20,15,66

orl-rbt LD50:2500 mg/kg BESAAT 12,161,66

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl⁻. See also ETHERS and CHLORINATED HYDROCARBONS, ALIPHATIC.**OAN000 CAS: 297-78-9 HR: 3
1,3,4,5,6,8,8-OCTACHLORO-1,3,3a,4,7,7a-
HEXAHYDRO-4,7-METHANOISO-
BENZOFURAN**mf: C₉H₄Cl₈O mw: 411.73**PROP:** Crystals from heptane. Mp: 120–122°. Sol in org solvs.**SYNS:** CP 14,957 □ ENT 25,545 □ ENT 25,545-X □ ISOBENZAN □ OCTACHLORO-HEXAHYDRO-METHANOISOBENZOFURAN □ 1,3,4,5,6,7,10,10-OCTACHLORO-4,7-endo-METHYLENE-4,7,8,9-TETRAHYDROPHTHALAN □ 1,3,4,5,6,7,8,8-OCTACHLORO-2-OXA-3a,4,7,7a-TETRAHYDRO-4,7-METHANOINDENE □ OMTAN □ R 6700 □ SD 4402 □ SHELL 4402 □ SHELL WL 1650 □ TELODRIN □ WL 1650**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4800 µg/kg ARSIM* 20,13,66

skn-rat LD50:5 mg/kg WRPCA2 9,119,70

ipr-rat LD50:3560 µg/kg 32ZDAL -,88,70

ivn-rat LD50:1800 µg/kg AEPPAE 232,227,57

orl-mus LD50:8400 µg/kg ARSIM* 20,13,66

ipr-mus LD50:8170 µg/kg 32ZDAL -,88,70

orl-dog LD50:1 mg/kg 32ZDAL -,88,70

orl-rbt LD50:4 mg/kg 32ZDAL -,88,70

skn-rbt LD50:12 mg/kg PCOC** -,1099,66

skn-gpg LD50:2 mg/kg 32ZDAL -,88,70

SAFETY PROFILE: Poison by ingestion, skin contact, intraperitoneal, and intravenous routes. Questionable carcinogen with experimental tumorigenic data. Used as an insecticide. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.**OAP000 CAS: 2234-13-1 HR: 3
OCTACHLORONAPHTHALENE**mf: C₁₀Cl₈ mw: 403.70**PROP:** Crystals from cyclohexane. Mp: 197.5–198°, bp: 246–250° @ 0.5 mm. Sol in C₆H₆.**CONSENSUS REPORTS:** EPA Extremely Hazardous Substances List. Community Right-To-Know List. Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 0.1 mg/m³ (skin); STEL 0.3 mg/m³**ACGIH TLV:** TWA 0.1 mg/m³ (skin); STEL 0.3 mg/m³**NIOSH REL:** TWA 0.1 mg/m³; STEL 0.3 mg/m³ (skin)**SAFETY PROFILE:** Poison by inhalation, ingestion, and skin contact. When heated to decomposition it emits highly toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.**OAP050 CAS: 29082-74-4 HR: 2
OCTACHLOROSTYRENE**mf: C₈Cl₈ mw: 379.68**SYNS:** BENZENE, PENTACHLORO(TRICHLOROETHENYL)- □ STYRENE, OCTACHLORO- □ TRICHLOROVINYLPENTA-CHLOROBENZENE**TOXICITY DATA with REFERENCE:**

orl-rat LD:>3710 mg/kg JTEHD6 10,285,82

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of Cl⁻.**OAP070 CAS: 53120-27-7 HR: 1
(Z,Z)-3,13-OCTADECADIEN-1-OL ACETATE**mf: C₂₀H₃₆O₂ mw: 308.56**SYNS:** 3,13-OCTADECADIEN-1-OL, ACETATE, (Z,Z)- □ (Z,Z)-3,13-OCTADECADIENOL ACETATE □ 3,13-OCTADECADIEN-1-OL, ACETATE □ A13-36728 □ EXITLURE □ Z,Z-ODDA**CONSENSUS REPORTS:** EPA FIFRA 1988 pesticide subject to registration or re-registration.

orl-rat LD50:>5000 mg/kg HBPTO* 1,142,2001

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**OAP100 CAS: 307-34-6 HR: 3
OCTADEC AFLUOROCTANE**mf: C₈F₁₈ mw: 438.08

SYNS: OCTANE, OCTADEC AFLUORO- □ PERFLUORO-OCTANE □ n-PERFLUORO OCTANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:240 mg/kg MIVRA6 8,320,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic vapors of F₂.

OAP300 CAS: 2190-04-7 HR: 2
OCTADECANAMINE ACETATE

mf: C₁₈H₃₉N•C₂H₄O₂ mw: 329.64

SYNS: ARMAC 18D □ ARMAC OD □ OCTADECYLAMINE, ACETATE □ 1-OCTADECYLAMINE ACETATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1000 mg/kg CHTPBA 1,11,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

OAP400 CAS: 95237-86-8 HR: 3
OCTADECANEUROPEPTIDE DIAZEPAM-BINDING INHIBITOR (33-50)

mf: C₈₁H₁₃₈N₂₄O₂₉ mw: 1912.13

SYNS: GLN-ALA-THR-VAL-GLY-ASP-VAL-ASN-THR-ASP-ARG-PRO-GLY-LEU-LEU-ASP-LEU-LYS □ L-LYSINE, L-GLUTAMINYL-L-ALANYL-L-THREONYL-L-VALYLGLYCYL-L-α-ASPARTYL-L-VALYL-L-ASPARAGINYL-L-THREONYL-L-α-ASPARTYL-L-ARGINYL-L-PROLYLGLYCYL-L-LEUCYL-L-LEUCYL-L-α-ASPARTYL-L-LEUCYL-

TOXICITY DATA with REFERENCE:

ice-rat TDLo:120 ng/kg EJPHAZ 414,225,2001

ice-mus TDLo:200 ng/kg EJPHAZ 414,225,2001

SAFETY PROFILE: A poison by intracerebral route. When heated to decomposition it emits toxic vapors of NO_x.

OAR000 CAS: 124-26-5 HR: 2
OCTADECANAMIDE

mf: C₁₈H₃₇NO mw: 283.56

PROP: A solid. Mp: 109°, bp: 250–251° @ 12 mm.

SYNS: KEMAMIDE S □ STEARAMIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also AMIDES.

OAT000 CAS: 2223-93-0 HR: 3
OCTADECANOIC ACID, CADMIUM SALT

mf: C₃₆H₇₂O₄•Cd mw: 681.48

SYNS: ALAIXOL II □ CADMIUM(II) STEARATE □ CADMIUM OCTADECANOATE □ CADMIUM STEARATE □ CADMIUMSTEARAT (GERMAN) □ STABILISATOR SCD □ STABILIZER SCD □ STEARIC ACID, CADMIUM SALT

TOXICITY DATA with REFERENCE:

ihl-wmn TCLo:147 mg/m³/35M:CNS,GIT ZHYGAM 17,308,71

ihl-hmn TCLo:1800 µg/m³/2Y:CVS,CNS,MET

HYSAAV 33,187,68

orl-rat LD50:1125 mg/kg GISAAA 35(2),98,70

ihl-rat LC50:130 mg/m³/2H ZHYGAM 17,308,71

orl-mus LD50:590 mg/kg HYSAAV 33,187,68

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Cadmium and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 µg(Cd)/m³

ACGIH TLV: TWA 0.002 mg(Cd)/m³ (respirable dust), Suspected Human Carcinogen; BEI: 5 µg/g creatinine in urine; 5 µg/L in blood

DFG MAK: DFG BAT: Blood 1.5 µg/dL; Urine 15 µg/dL, Suspected Carcinogen

NIOSH REL: (Cadmium) Reduce to lowest feasible level.

SAFETY PROFILE: Confirmed human carcinogen. Poison by inhalation. Moderately toxic by ingestion. Human systemic effects by inhalation: hallucinations or distorted perceptions; nausea or vomiting, other gastrointestinal effects; weight loss or decreased weight gain; cardiac effects. When heated to decomposition it emits toxic fumes of Cd. See also CADMIUM COMPOUNDS.

OAT100 CAS: 24560-98-3 HR: 2
OCTADECANOIC ACID, 9,10-EPOXY-, cis-

mf: C₁₈H₃₄O₃ mw: 298.52

SYNS: cis-EPOXYOLEIC ACID □ cis-9,10-EPOXYSTEARIC ACID □ cis-3-OCTYLOXIRANE OCTANOIC ACID □ OXIRANE OCTANOIC ACID, 3-OCTYL-, cis-

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

OAV000 CAS: 31566-31-1 HR: 3
OCTADECANOIC ACID, MONOESTER with 1,2,3-PROPANETRIOL

mf: C₂₁H₄₂O₄ mw: 358.63

PROP: Pure-white or cream-colored, wax-like solid; faint odor. Mp: 58–59°, d: 0.97. Sol in (hot) alc, oils, and hydrocarbons.

SYNS: ABRACOL S.L.G □ ADMUL □ ADVAWAX 140 □ ALDO-28 □ ALDO-72 □ ALDO HMS □ ALDO MS □ ALDO MSA □ ALDO MSLG □ ARLACEL 161 □ ARLACEL 169 □ ARMOSTAT 801 □ ATMOS 150 □ ATMUL 67 □ ATMUL 84 □ ATMUL 124 □ 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 □ EMCOL CA □ EMCOL MSK □ EMEREST 2400 □ EMEREST 2401 □ EMUL P.7 □ ESTOL 603 □ GLYCERIN MONOSTEARATE □ GLYCEROL MONOSTEARATE □ GLYCERYL MONOSTEARATE □ GROCOR 5500 □ GROCOR 6000 □ HODAG GMS □ IMWITOR 191 □ IMWITOR 900K □ KESSCO 40 □ LIPO GMS 410 □ LIPO GMS 450 □ LIPO GMS 600 □ MONELGIN □ MONOSTEARIN □ OGEEN 515 □ OGEEN GRB □ OGEEN M □ ORBON □ PROTACHEM GMS □ SEDETINE □ STARFOL GMS 450 □ STARFOL GMS 600 □ STARFOL GMS 900 □ STEARIC ACID, MONOESTER with GLYCEROL □ STEARIC MONOGLYCERIDE □ TEGIN □

TEGIN 503 □ TEGIN 515 □ UNIMATE GMS □ USAF KE-7 □
WITCONOL MS □ WITCONOL MST

TOXICITY DATA with REFERENCE:

ipr-mus LD50:200 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

OAX000 CAS: 112-92-5 HR: 3
1-OCTADECANOL

mf: C₁₈H₃₈O mw: 270.56

PROP: Colorless solid or flakes. Fp: 57.95°, mp: 58°, bp: 202° @ 10 mm, d: 0.8124 @ 59°/4°.

SYNS: ADOL □ ADOL 68 □ ATALCO S □ CO-1895 □ CO-1897 □ CRODACOL-S □ DECYL OCTYL ALCOHOL □ DYTOL E-46 □ LOROL 28 □ OCTADECANOL □ n-OCTADECANOL □ OCTA DECYL ALCOHOL □ n-OCTADECYL ALCOHOL □ POLAAX □ SIPOL S □ SIPONOL S □ STEAROL □ STEARYL ALCOHOL □ STERAFINE □ USP XIII STEARYL ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD JACTDZ 4(5),1,85
eye-rbt 100 mg/24H MLD JACTDZ 4(5),1,85
imp-mus TDLo:1000 mg/kg;NEO CNREA8 26,105,66
ort-rat LD50:20 g/kg 37ASAA 1,722,28

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. Questionable carcinogen with experimental neoplastigenic data. A skin and eye irritant. Flammable when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

OAX050 CAS: 76379-67-4 HR: 1
5,7,11,13-OCTADECATETRAYNE-1,18-DIOL

mf: C₁₈H₃₂O₂ mw: 270.40

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/kg/25H MLD JJATDK 8,35,88
mma-ham:ovr 1 g/L JJATDK 8,35,88
sce-ham:ovr 100 mg/L JJATDK 8,35,88

SAFETY PROFILE: A skin irritant. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

OAX100 CAS: 463-40-1 HR: 2
9,12,15-OCTADECATRIENOIC ACID

mf: C₁₈H₃₀O₂ mw: 278.43



PROP: A liquid. Mp: -11.3°, bp: 137° @ 0.07 mm.

SYN: LINOLENIC ACID

SAFETY PROFILE: Mixture with cobalt naphthenate forms explosive peroxides when exposed to air. When heated to decomposition it emits acrid smoke and irritating fumes.

OAX300 CAS: 112-91-4 HR: 1
9-OCTADECENENITRILE, (Z)-

mf: C₁₈H₃₃N mw: 263.52

SYNS: (Z)-9-OCTADECENENITRILE □ OLEIC ACID NITRILE □ OLEIC NITRILE □ OLEONITRILE □ OLEOYL NITRILE □ OLEYL NITRILE □ OLEYLONITRILE □ OLSAEURENITRIL

TOXICITY DATA with REFERENCE:

ort-rat LD50:>10 g/kg ZAARAM 19,225,1969
ipr-mus LD50:>10 g/kg ZAARAM 19,225,1969

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic vapors of NO_x.

OAZ000 CAS: 1912-84-1 HR: 3
(Z)-9-OCTADECENOIC ACID, TIN (2+) SALT

mf: C₃₆H₆₆O₄Sn mw: 581.71

SYN: STANNOUS OLEATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#02288

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2

ACGIH TLV: TWA 2 mg(Sn)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

OBA000 CAS: 143-28-2 HR: 1
(Z)-9-OCTADECEN-1-OL

mf: C₁₈H₃₆O mw: 268.54

PROP: D: 0.849 @ 20°/4°, bp: 205–210° @ 15 mm.

SYNS: ADOL □ ADOL 34 □ ADOL 80 □ ADOL 85 □ ADOL 90 □ ADOL 320 □ ADOL 330 □ ADOL 340 □ ATALCO O □ CACHALOT O-1 □ CACHALOT O-3 □ CACHALOT O-8 □ CACHALOT O-15 □ CONDITIONER 1 □ CRODACOL A.10 □ CRODACOL-O □ DERMAFFINE □ H.D. EUTANOL □ HD OLEYL ALCOHOL 70/75 □ HD OLEYL ALCOHOL 80/85 □ HD OLEYL ALCOHOL 90/95 □ HD OLEYL ALCOHOL CG □ LANCOL □ LOXANOL 95 □ LOXANOL M □ NOVOL □ OCENOL □ OCEOL □ cis-9-OCTADECEN-1-OL □ OLEOL □ OLEYL ALCOHOL □ SATOL □ SIPOL O □ UNJECOL 50 □ UNJECOL 70 □ UNJECOL 90 □ UNJECOL 110

TOXICITY DATA with REFERENCE:

skn-hmn 75 mg/3D-I MLD 85DKA8 -,127,77
skn-rat 100 mg/24H MOD CTODIG 94(8),41,79
skn-rbt 500 mg/24H MLD JACTDZ 4(5),1,85
skn-rbt 100 mg/24H SEV CTODIG 94(8),41,79
eye-rbt 100 mg/24H MLD JACTDZ 4(5),1,85
skn-gpg 100 mg/24H SEV CTODIG 94(8),41,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A human skin and eye irritant. An ingredient in cosmetics. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

OBA100 CAS: 58253-49-9 HR: 2
α,α'-(9-OCTADECENYLIMINO)DI-2,1-ETHANE-DIYL)BIS(ω-HYDROXY-POLY(OXY-1,2-ETHANEDIYL)

mf: (C₂H₄O)_n(C₂H₄O)_nC₂₂H₄₅NO₂

SYN: KATAPOL O-12

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL/24H SEV NTIS** OTS0571640

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x.**OBC000 CAS: 124-30-1 HR: 3
OCTADECYLAMINE**mf: C₁₈H₃₉N mw: 269.58**PROP:** Crystals. Mp: 49–52°, bp: 183.0–183.1° @ 5 mm.**SYNS:** ADOGENEN 142 □ ALAMINE 7 □ ALAMINE 7D □

AMINE AB □ 1-AMINOCTADECANE □ ARMEEN 18 □

ARMEEN 18D □ ARMOFILM □ CRODAMINE 1.18D □ FARMIN

80 □ KEMAMINE P990 □ MONOCTADECYLAMINE □

NISSAN AMINE AB □ n-OCTADECYLAMINE □ 1-

OCTADECYLAMINE □ OKTADECYLAMIN (CZECH) □

STEARAMINE □ STEARYLAMINE □ n-STEARYLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,63,72

orl-rat LD50:2395 mg/kg GISAAA 38(11),31,73

orl-mus LD50:3 g/kg GISAAA 38(11),31,73

ipr-mus LD50:250 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**OBE000 CAS: 1838-08-0 HR: 3
OCTADECYLAMINE HYDROCHLORIDE**mf: C₁₈H₃₉N•ClH mw: 306.04**PROP:** Crystals. Mp: 160–161°.**TOXICITY DATA with REFERENCE:**

unr-mus LDLo:200 mg/kg ATPMA2 32,177,38

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by an unspecified route. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also OCTADECYLAMINE.**OBG000 CAS: 112-96-9 HR: 3
OCTADECYL ISOCYANATE****DOT:** UN 2207/UN 2478/UN 3080mf: C₁₉H₃₇NO mw: 295.57**PROP:** Mp: 15–18°, bp: 150–180° @ 0.75 mm, d: 0.86 @ 25°.**SYNS:** ISOCYANIC ACID, OCTADECYL ESTER □ TONCO-70**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:100 mg/kg CSLNX* NX#04505

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD (UN 2207); DOT Class: 6.1; Label: Poison (UN 2206); DOT Class: 6.1; Label: Poison, Flammable Liquid (UN 3080); DOT Class: 3; Label: Flammable Liquid, Poison (UN 2478)**SAFETY PROFILE:** Poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x. See also ISOCYANATES.**OBG100 CAS: 1120-04-3 HR: 3****OCTADECYL SODIUM SULFATE**mf: C₁₈H₃₇O₄S•Na mw: 372.60**SYNS:** SODIUM MONOCTADECYL SULFATE □ SODIUM MONOSTEARYL SULFATE □ SODIUM OCTADECYL SULFATE □ SODIUM STEARYL SULFATE □ SULFURIC ACID, MONOCTADECYL ESTER, SODIUM SALT**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:477 mg/kg JAPMA8 42,283,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of SO_x.**OBI000 CAS: 112-04-9 HR: 2
OCTADECYLTRICHLOROSILANE****DOT:** UN 1800mf: C₁₈H₃₇Cl₃Si mw: 387.99**PROP:** A liquid. D: 0.95 @ 4°, bp: 160° @ 13 mm.**SYN:** TRICHLOROCTADECYLSILANE**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** A corrosive irritant to skin, eyes, and mucous membranes. Reacts with water or steam to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.**OBI100 CAS: 4028-00-6 HR: 3
N-OCTADECYLTRIETHYLAMMONIUM IODIDE**mf: C₂₄H₅₂N•I mw: 481.67**SYNS:** AMMONIUM, OCTADECYLTRIETHYL-, IODIDE □ 1-

OCTADECANAMINIUM, N,N,N-TRIETHYL-, IODIDE (9CI) □

TRIETHYLOCTADECYLAMMONIUM IODIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:5600 µg/kg CSLNX* NX#00855

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x and I⁻.**OBI200 CAS: 64049-56-5 HR: 3
OCTADECYLTRIMETHYLAMMONIUM p-
FLUOROBENZENESULFONATE**mf: C₂₁H₄₆N•C₆H₄FO₃S mw: 487.84**SYN:** AMMONIUM, OCTADECYLTRIMETHYL-, p-FLUORO-BENZENESULFONATE**TOXICITY DATA with REFERENCE:**

ivn-mus LDLo:12,500 µg/kg CBCCT* 5,137,1953

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and F⁻.**OBK000 CAS: 3710-30-3 HR: 3
1,7-OCTADIENE**mf: C₈H₁₄ mw: 110.22H₂C=CH(CH₂)₄CH=CH₂**PROP:** Bp: 116°, flash p: 77°F.**TOXICITY DATA with REFERENCE:**

orl-rat LD50:14,696 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:8000 ppm/4H AIHAAP 30,470,69

skn-rbt LD50:10,519 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion, inhalation and skin contact. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes.**OBK100 CAS: 355-66-8 HR: 2**
OCTAFLUOROADIPAMIDEmf: $C_6H_4F_8N_2O_2$ mw: 288.10
($-C_2F_4CO \cdot NH_2$)₂**SAFETY PROFILE:** Forms a dangerously unstable complex with lithium tetrahydroaluminate. When heated to decomposition it emits toxic fumes of F^- and NO_x . See also FLUORIDES and AMIDES.**OBM000 CAS: 382-21-8 HR: 3**
OCTAFLUORO-sec-BUTENEmf: C_4F_8 mw: 200.04**PROP:** A gas at room temp. D: 1.592 @ 0°, bp: 5–6° @ 740 mm.**SYNS:** OCTAFLUOROISOBUTENE □ OCTAFLUOROISOBUTYLENE □ PERFLUOROISOBUTYLENE (ACGIH) □ PFIB**TOXICITY DATA with REFERENCE:**

ihl-rat LC50:500 ppb/6H 34ZIAG -,310,69

ihl-mus LCLo:10 mg/m³/2H GTPZAB 5(3),3,61

ihl-rbt LC50:1200 ppb/2H BIMEA5 57,247,68

ihl-gpg LC50:1050 ppb/2H BIMEA5 57,247,68

ACGIH TLV: CL 0.01 ppm**SAFETY PROFILE:** A deadly poison by inhalation. A skin, eye, and mucous membrane irritant. Human acute exposure causes marked irritation of conjunctivae, throat, and lungs. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES.**OBO000 CAS: 360-89-4 HR: 1**
1,1,1,2,3,4,4,4-OCTAFLUORO-2-BUTENE**DOT:** UN 2422mf: C_4F_8 mw: 200.04**PROP:** A liquid. Mp: -139°, fp: -135°, bp: 1.2°.**SYNS:** FC-1318 □ OCTAFLUOROBUTENE-2 □ OCTAFLUOROBUT-2-ENE (DOT) □ PERFLUOROBUT-2-ENE □ PERFLUORO-2-BUTENE (DOT)**TOXICITY DATA with REFERENCE:**

sln-dmg-ihl 99 pph/10M ENVRAL 7,275,74

ihl-rat LCLo:6100 ppm/4H DUPON* 25JUL67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**DOT CLASSIFICATION:** 2.2; Label: Nonflammable Gas**SAFETY PROFILE:** Mildly toxic by inhalation. Mutation data reported. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES.**OBS800 CAS: 39660-55-4 HR: 2**
OCTAFLUOROPENTANOLmf: $C_5H_4F_8O$ mw: 232.09**SYNS:** OCTAFLUOROAMYL ALCOHOL □ OCTAFLUORO-1-PENTANOL □ OCTAFLUOROPENTYL ALCOHOL □ ω-H-OCTAFLUOROPENTANOL-1 (GERMAN)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1110 mg/kg ZHYGAM 26,9,80

ihl-mus LC50:10,500 mg/m³/2H 85GMAT -,94,82

ipr-mus LD50:410 mg/kg ZHYGAM 26,9,80

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by inhalation. When heated to decomposition it emits toxic fumes of F^- . See also ALCOHOLS and FLUORIDES.**OBU000 CAS: 355-80-6 HR: 1**
2,2,3,3,4,4,5,5-OCTAFLUORO-1-PENTANOLmf: $C_5H_4F_8O$ mw: 232.09**PROP:** Liquid. D: 1.6647 @ 20°/4°, bp: 140–141°.**TOXICITY DATA with REFERENCE:**

ihl-rat LCLo:2500 ppm/4H JOCMA7 4,262,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by inhalation. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES and ALCOHOLS.**OBU100 CAS: 1317-70-0 HR: 2**
OCTAHEDRITE (MINERAL)mf: O_2Ti mw: 79.90**SYNS:** ANATASE □ TIOXIDE A-HR**CONSENSUS REPORTS:** IARC Cancer Review:

Group 3 IMEMDT 47,307,89; Animal Limited Evidence IMEMDT 47,307,89; Human Inadequate Evidence IMEMDT 47,307,89. Reported in EPA TSCA Inventory.

SAFETY PROFILE: A questionable carcinogen.**OBU150 CAS: 36520-41-9 HR: 3**
OCTAHYDROAZOCINE HYDROCHLORIDEmf: $C_7H_{15}N \cdot ClH$ mw: 149.69**SYN:** AZOCINE, OCTAHYDRO-, HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

scu-frg LDLo:330 mg/kg AEXPBL 50,199,1903

SAFETY PROFILE: A poison by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x and HCl.**OBV200 CAS: 4430-31-3 HR: 2**
OCTAHYDROCOUMARINmf: $C_9H_{14}O_2$ mw: 154.23**SYNS:** OCTAHYDRO-1-BENZOPYRAN-2-ONE □ OCTAHYDRO-2H-1-BENZOPYRAN-2-ONE (9CI) □ BICYCLONONALACTONE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTOD7 20(Suppl),781,82

orl-rat LD50:3900 mg/kg FCTOD7 20(Suppl),781,82

skn-rbt LD50:3500 mg/kg FCTOD7 20(Suppl),781,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**OBW000 CAS: 63021-67-0 HR: 2**

OCTAHYDRO-1:2:5:6-DIBENZANTHRACENEmf: C₂₂H₂₂ mw: 286.44

SYN: OCTAHYDRODIBENZ(a,h)ANTHRACENE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

OBW100 CAS: 30168-23-1 HR: 1
4-(OCTAHYDRO-4,7-METHANO-5H-INDEN-5-YLIDENE)BUTANAL
mf: C₁₄H₂₀O mw: 204.34

SYNS: BUTANAL, 4-(OCTAHYDRO-4,7-METHANO-5H-INDEN-5-YLIDENE)- □ DUPICAL □ 4-TRICYCLODECYLIDENE BUTANAL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTOD7 30,125S,92

eye-rbt 100 mg MLD FCTOD7 30,125S,92

orl-rat LDLo:5 g/kg FCTOD7 30,125S,92

skn-rbt LD:>2800 mg/kg FCTOD7 30,125S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OBW200 CAS: 86803-90-9 HR: 2
OCTAHYDRO-5-METHOXY-4,7-METHANO-1H-INDENE-2-CARBOXALDEHYDE
mf: C₁₂H₁₈O₂ mw: 194.30

SYNS: 4,7-METHANO-1H-INDENE-2-CARBOXALDEHYDE, OCTAHYDRO-5-METHOXY- □ 8-METHOXYTRICYCLO(5.2.2.1)-DECANE-4-CARBOXALDEHYDE □ SCENTENAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2800 mg/kg FCTOD7 30,77S,92

skn-rbt LD50:>2 g/kg FCTOD7 30,77S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

OBY000 CAS: 20917-49-1 HR: 3
OCTAHYDRO-1-NITROSOAZOCINE
mf: C₇H₁₄N₂O mw: 142.23

SYNS: NHMI □ N-NITROSOAZACYCLOOCTANE □ NITROSO-HEPTAMETHYLENEIMINE □ N-NITROSOHEPTAMETHYLENE-IMINE □ NITROSO-HEPTAMETHYLENIMIN (GERMAN)

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate TCMUE9 1,13,84

pic-esc 50 mg/L TCMUE9 1,91,84

scu-ham TDLo:650 mg/kg/59W-I:CAR JJIND8 61,239,78

scu-ham TD:760 mg/kg/46W-I:CAR JJIND8 61,239,78

scu-ham TD:66 mg/kg/W-I AJPA4 93,45,78

orl-rat TD:1200 mg/kg/20W-I ANTRD4 2,381,82

orl-rat LD50:283 mg/kg PSEBAA 130,945,69

scu-ham LD50:220 mg/kg JJIND8 61,239,78

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits

toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

OCA000 CAS: 20917-50-4 HR: 2
OCTAHYDRO-1-NITROSO-1H-AZONINE
mf: C₈H₁₆N₂O mw: 156.26

SYNS: N-NITROSOAZACYCLONONANE □ N-NITROSO-OCTAMETHYLENEIMINE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate TCMUE9 1,13,84

pic-esc 10 mg/L TCMUE9 1,91,84

orl-rat LD50:566 mg/kg PSEBAA 130,945,69

SAFETY PROFILE: Moderately toxic by ingestion.

Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

OCA500 CAS: 1743-13-1 HR: 3
OCTAHYDRO-(1,2,4,5)TETRAZINO(1,2-A)(1,2,4,5)TETRAZINE
mf: C₄H₁₂N₆ mw: 144.22

SYNS: (1,2,4,5)TETRAZINO(1,2-A)(1,2,4,5)TETRAZINE, OCTAHYDRO- □ TETRAFORMALTRISAZINE □ S-TETRAZINO(1,2-A)-S-TETRAZINE, OCTAHYDRO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:397 mg/kg STGNBT-,208,1999

ihl-rat LC50:21 mg/m³ STGNBT-,208,1999

ipr-rat LD50:100 mg/kg STGNBT-,208,1999

ims-rat LD50:94 mg/kg STGNBT-,208,1999

orl-mus LD50:367 mg/kg STGNBT-,208,1999

ihl-mus LC50:60 mg/m³ STGNBT-,208,1999

ipr-mus LD50:125 mg/kg STGNBT-,208,1999

ims-mus LD50:125 mg/kg STGNBT-,208,1999

orl-rbt LD50:90 mg/kg STGNBT-,208,1999

ihl-rbt LC50:42,500 µg/m³ STGNBT-,208,1999

SAFETY PROFILE: A poison by ingestion, inhalation, intraperitoneal, and intramuscular routes. When heated to decomposition it emits toxic vapors of NO_x.

OCE000 CAS: 104-50-7 HR: 1
γ-OCTALACTONE
mf: C₈H₁₄O₂ mw: 142.22

PROP: Colorless to pale-yellow liquid; coconut odor. D: 0.970–0.980, bp: 132–133° @ 5.5 mm, refr index: 1.443–1.447. Sol in alc; sltly sol in water.

SYNS: γ-n-BUTYL-γ-BUTYROLACTONE □ FEMA No. 2798 □ 5-HYDROXYOCTANOIC ACID LACTONE □ OCTANOLIDE-1,4 □ TETRAHYDRO-6-PROPYL-2H-PYRAN-2-ONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,821,76

orl-rat LD50:4400 mg/kg FCTXAV 14,821,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OCE100 CAS: 556-67-2 HR: 1
OCTAMETHYLCYCLOTETRASILOXANE

mf: C₈H₂₄O₄Si₄ mw: 296.68

SYNS: CYCLIC DIMETHYLSILOXANE TETRAMER □ KF 994 □
 NUC SILICONE VS 7207 □ OKTAMETHYLCYKLOTE-
 TRASILOXAN □ SF 1173 □ SILICONE SF 1173 □ UC 7207 □
 UNION CARBIDE 7207 □ VS 7207

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,1230,86

eye-rbt 500 mg/24H MLD 85JCAE -,1230,86

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: A skin irritant. When heated to
 decomposition it emits acrid smoke and irritating vapors.

OCI000 CAS: 5591-33-3 HR: 2
5,5'-(OCTAMETHYLENEBIS(CARBONYLIMINO)-
BIS(N-METHYL-2,4,6-TRIODOISO-
PHTHALAMIC ACID)

mf: C₂₈H₂₈I₆N₄O₈ mw: 1310.00**PROP:** A solid. Mp: 279–279.5°.**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:6600 mg/kg JMCMA 9,964,66

ivn-mus LD50:1576 mg/kg INVRV 15(Suppl),248,80

ice-mus LD50:1120 mg/kg JMCMA 9,964,66

ivn-dog LD50:10 g/kg JMCMA 9,964,66

SAFETY PROFILE: Moderately toxic by intracerebral
 and intravenous routes. When heated to decomposition it
 emits very toxic fumes of NO_x and I₂.

OCM000 CAS: 152-16-9 HR: 3
OCTAMETHYLPYROPHOSPHORAMIDE

mf: C₈H₂₄N₄O₃P₂ mw: 286.30

PROP: Viscous liquid. Mp: 20–21°, bp: 154° @ 2.0 mm,
 d: 1.09 @ 25°/4°. Misc with water; sol in most org solvs;
 almost insol in higher aliphatic hydrocarbons.

SYNS:

BIS(BISDIMETHYLAMINOPHOSPHONOUS)ANHYDRIDE □
 BIS(DIMETHYLAMINO)PHOSPHONOUS ANHYDRIDE □
 BIS(DIMETHYLAMINO)PHOSPHORIC ANHYDRIDE □ BIS-
 N,N,N',N'-TETRAMETHYLPHOSPHORODIAMIDIC ANHYDRIDE
 □ ENT 17,291 □ LETHALAIRE G-59 □ OCTAMETHYL-
 DIFOSFORZUUR-TETRAMIDE (DUTCH) □ OCTAMETHYL-
 DIPHOSPHORAMIDE □ OCTAMETHYL-DIPHOSPHORSAEURE-
 TETRAMID (GERMAN) □ OCTAMETHYL PYROPHOSPHORT-
 ETAMIDE □ OCTAMETHYL TETRAMIDO PYROPHOSPHATE
 □ OMPA □ OMPACIDE □ OMPATOX □ OMPAX □ OTTO-
 METIL-PIROFOSFORAMMIDE (ITALIAN) □ PESTOX □
 PESTOX 3 □ PESTOX III □ PYROPHOSPHORIC ACID
 OCTAMETHYLTETRAAMIDE □ PYROPHOSPHORYLTETRA-
 KISDIMETHYLAMIDE □ RCRA WASTE NUMBER P085 □
 SCHRADAN □ SCHRADANE (FRENCH) □ SYSTAM □
 SYSTOPHOS □ SYTAM □ TETRAKISDIMETHYLAMINO-
 PHOSPHONOUS ANHYDRIDE

TOXICITY DATA with REFERENCE:

orl-man TDLo:643 µg/kg/30D-I: BIO TXAPA 14,603,69

orl-rat LD50:5 mg/kg WRPCA 2,436,65

ihl-rat LCLo:8 mg/m³/4H 85GMAT -,95,82

skn-rat LD50:15 mg/kg TXAPA 14,515,69

ipr-rat LD50:4900 µg/kg JJPAZ 17,509,67

scu-rat LD50:9 mg/kg JEENAI 50(3),356,57

orl-mus LDLo:2 mg/kg BESAAT 12,161,66

ipr-mus LD50:10 mg/kg PSEBAA 129,699,68

scu-mus LD50:14 mg/kg FEPA 7 23,T927,64

ivn-mus LD50:9400 µg/kg BLLIAX 38,151,58

ivn-dog LD50:5 mg/kg JPETAB 99,376,50

orl-rbt LD50:25 mg/kg BESAAT 12,161,66

skn-rbt LDLo:20 mg/kg 85GMAT -,95,82

ocu-rbt LDLo:5 mg/kg 85GMAT -,95,82

CONSENSUS REPORTS: EPA Extremely Hazardous
 Substances List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, inhalation,
 skin contact, intraperitoneal, intravenous, subcutaneous,
 and ocular routes. Human systemic effects by ingestion: a
 cholinesterase inhibitor. Has been found to inhibit
 peripheral cholinesterase without pronounced effects on
 the central nervous system. An insecticide. When heated
 to decomposition it emits toxic fumes of NO_x and PO_x.
 See also PARATHION and ANHYDRIDES.

OCM100 CAS: 1624-01-7 HR: 3
OCTAMETHYLSILANETETRAMINE

mf: C₈H₂₄N₄Si mw: 204.45

SYNS: SILANE 48-12 TETRAKIS □ SILANETETRAMINE,
 OCTAMETHYL- □ TETRAKIS(DIMETHYLAMINO)SILANE

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL/24H SEV NTIS** OTS0535984

orl-rat LD50:1670 µL/kg NTIS** OTS0535984

skn-rbt LD50:1230 µL/kg NTIS** OTS0535984

SAFETY PROFILE: A poison by ingestion and skin
 contact. A severe eye irritant. When heated to
 decomposition it emits toxic vapors of NO_x.

OCO000 CAS: 124-13-0 HR: 3
1-OCTANAL

mf: C₈H₁₆O mw: 128.24

PROP: Found in about 20 essential oils, including a
 number of citrus oils (FCTXAV 11,95,73). Colorless to
 light-yellow liquid; fatty-orange odor. Bp: 163.4°, flash p:
 125°F (CC), d: 0.821 @ 20°/4°, refr index: 1.417–1.425,
 vap d: 4.41. Sol in alc, fixed oils, propylene glycol; insol in
 glycerin.

SYNS: ALDEHYDE C-8 □ C-8 ALDEHYDE □ FEMA No. 2797 □
 OCTANALDEHYDE □ n-OCTYL ALDEHYDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 11,1079,73

eye-rbt 100 mg MLD FCTXAV 11,1079,73

orl-rat LD50:5630 mg/kg FCTXAV 11,95,73

skn-rbt LD50:6350 mg/kg FCTXAV 11,95,73

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: Mildly toxic by ingestion and skin
 contact. A skin and eye irritant. Flammable liquid when
 exposed to heat, sparks, or flame. Can react with oxidizing
 materials. To fight fire, use foam, CO₂, dry chemical. See
 also ALDEHYDES.

OCU000 CAS: 111-65-9 HR: 3
OCTANE

DOT: UN 1262mf: C₈H₁₈ mw: 114.26

PROP: Clear liquid. Bp: 125.8°, lel: 1.0%, uel: 4.7%, fp:
 –56.5°, flash p: 56°F, d: 0.7036 @ 20°/4°, autoign temp:
 428°F, vap press: 10 mm @ 19.2°, vap d: 3.86. Insol in

water; sltly sol in alc, ether; misc with benzene. IDLH 1000 ppm [10%LEL].

SYNS: n-OCTANE □ OKTAN (POLISH) □ OKTANEN (DUTCH) □ OTTANE (ITALIAN)

TOXICITY DATA with REFERENCE:

ihl-rat LC50:118 g/m³/4H GTPZAB 32(10),23,88

ivn-mus LDLo:428 mg/kg APTOA6 37,56,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 300 ppm; STEL 375 ppm

ACGIH TLV: TWA 300 ppm

DFG MAK: 500 ppm (2400 mg/m³)

NIOSH REL: (Alkanes) TWA 350 mg/m³

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by intravenous route. May act as a simple asphyxiant. See also ARGON for a description of simple asphyxiants. A narcotic in high concentration. Human dermal exposure to undiluted octane for five hours resulted in blister formation but no anesthesia; exposure for one hour caused diffuse burning sensation. A very dangerous fire hazard and severe explosion hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALKANES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Hydrocarbons, Bp 36-126°C, 1500.

OCU100 CAS: 3274-28-0 HR: 3 4-OCTANECARBOXYLIC ACID

mf: C₉H₁₈O₂ mw: 158.27

SYNS: HEXANOIC ACID, 2-PROPYL- □ 2-PROPYLHEXANOIC ACID

TOXICITY DATA with REFERENCE:

ipr-mus LD50:680 mg/kg NEPHBW 24,427,1985

ivn-mus LD50:380 mg/kg NEPHBW 24,427,1985

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.

OCU200 CAS: 373-44-4 HR: 2 1,8-OCTANEDIAMINE

mf: C₈H₂₀N₂ mw: 144.30

SYNS: 1,8-DIAMINOCTANE □ OCTAMETHYLENEDIAMINE □ 1,8-OCTAMETHYLENEDIAMINE □ 1,8-OCTYLENEDIAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV JACTDZ 1,751,92

eye-rbt 100 mg SEV JACTDZ 1,751,92

orl-rat LDLo:1 g/kg JACTDZ 1,751,92

SAFETY PROFILE: Moderately toxic by ingestion. A severe skin and eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

OCW000 CAS: 7613-16-3 HR: 2 1,8-OCTANEDIAMINE, DIHYDROCHLORIDE

mf: C₈H₂₀N₂•2ClH mw: 217.22

PROP: A solid. Mp: 274°.

SYN: OCTANE-1,8-DIAMINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:760 mg/kg JPETAB 107,332,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of HCl and NO_x. See also AMINES.

OCW025 CAS: 15886-83-6 HR: D OCTANE DIMETHANESULFONATE

mf: C₁₀H₂₂O₆S₂ mw: 302.44

SYNS: 1,8-OCTANEDIOL, DIMETHANESULFONATE □ OCTASULFAN □ OCTASULPHAN

TOXICITY DATA with REFERENCE:

dnd-rat-oth 250 μmol/L BCPCA6 32,2297,1983

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of SO_x.

OCW050 CAS: 629-40-3 HR: 3 OCTANEDINITRILE (9CI)

mf: C₈H₁₂N₂ mw: 136.22

SYNS: 1,6-DICYANOHEXANE □ SUBERONITRILE

TOXICITY DATA with REFERENCE:

orl-mus LD50:307 mg/kg ARTODN 57,88,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and CN⁻.

OCW100 CAS: 124-12-9 HR: 2 OCTANENITRILE

mf: C₈H₁₅N mw: 125.24

SYNS: ARNEEL 8 □ CAPRYLNITRILE □ CAPRYLONITRILE □ OCTANONITRILE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1764 mg/kg ARTODN 55,47,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and CN⁻.

OCW200 CAS: 40630-63-5 HR: 1 1-OCTANESULFONYL FLUORIDE

mf: C₈H₁₇FO₂S mw: 196.31

SYNS: OCTYLSULFONYL FLUORIDE □ 1-OCTYLSULFONYL FLUORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 μL/24H MLD IJTOFN 19,355,2000

eye-rbt 100 μL/24H MLD IJTOFN 19,350,2000

SAFETY PROFILE: A mild skin and eye irritant. When heated to decomposition it emits toxic vapors of SO_x and F⁻.

OCY000 CAS: 124-07-2 HR: 2 OCTANOIC ACID

mf: C₈H₁₆O₂ mw: 144.24

PROP: Colorless, oily liquid or crystals; unpleasant odor, burning rancid taste. D: 0.91 @ 20°, bp: 240°, mp: 17°.

Sol in alkalis, EtOH, CHCl₃; spar sol in hot H₂O.

SYNS: C-8 ACID □ CAPRYLIC ACID □ n-CAPRYLIC ACID □ 1-HEPTANECARBOXYLIC ACID □ HEXACID 898 □ NEO-FAT 8 □ OCTIC ACID □ n-OCTOIC ACID □ n-OCTYLIC ACID

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 19,237,81
 sln-smc 5 ppm ANYAA9 407,186,83
 oms-nml:oth 10 mmol/L CHROAU 40,1,73
 cyt-nml:oth 10 mmol/L CHROAU 40,1,73
 orl-rat LD50:10,080 mg/kg FCTXAV 2,327,64
 ivn-mus LD50:600 mg/kg APTOA6 18,141,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion. Mutation data reported. A skin irritant. Yields irritating vapors that can cause coughing. When heated to decomposition it emits acrid smoke and irritating fumes.

OCY090 CAS: 123-96-6 HR: 1
2-OCTANOL

mf: C₈H₁₈O mw: 130.26

SYN: CAPRYL ALCOHOL

TOXICITY DATA with REFERENCE:

unr-uns LD50:6934 mg/kg GISAAA 51(5),61,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Slightly toxic by an unspecified route. When heated to decomposition it emits acrid smoke and irritating vapors.

OCY100 CAS: 589-98-0 HR: 2
3-OCTANOL

mf: C₈H₁₈O mw: 130.28

PROP: Colorless liquid; strong, nutty odor. D:

0.816–0.821, bp: 176–177.5°, refr index: 1.425. Sol in alc, fixed oils; insol in water.

SYNS: AMYLETHYLCARBINOL □ ETHYLAMYL CARBINOL □ ETHYL-n-AMYL CARBINOL □ FEMA No. 3581 □ OCTANOL-3 □ D-n-OCTANOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,881,79

SAFETY PROFILE: A moderate skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

ODE000 CAS: 124-07-2 HR: 1
OCTANOL, mixed isomers

mf: C₈H₁₈O mw: 130.26

SYNS: ALFOL-10 □ ANTAK □ FAIR 85 □ ROYALTAC □ SPROUT-OFF □ SUCKER PLUCKER □ TOBACCO SUCKER CONTROL AGENT 148 □ TOBACCO SUCKER CONTROL AGENT 504

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 1/11/68

orl-rat LD50:18 g/kg 85ARAE 3,84,76/77

skn-rbt LD50:5660 mg/kg UCDS** 1/11/68

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

ODE200 CAS: 124-07-2 HR: 2
OCTANOLIC ACID (mixed isomers)

mf: C₈H₁₆O₂ mw: 144.24

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AIHAAP 23,95,62
 orl-rat LD50:1410 mg/kg AIHAAP 23,95,62
 skn-rbt LDLo:710 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A severe skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

ODE300 CAS: 698-76-0 HR: 1
5-OCTANOLIDE

mf: C₈H₁₄O₂ mw: 142.22

SYNS: 5-HYDROXYOCTANOIC ACID LACTONE □ Δ-OCTALACTONE □ OCTANOIC ACID, 5-HYDROXY-, LACTONE (6CI) □ OCTANOIC ACID, 5-HYDROXY-, Δ-LACTONE □ 2H-PYRAN-2-ONE, TETRAHYDRO-6-PROPYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,783,80

orl-rat LD50:>5 g/kg FCTOD7 20,783,80

skn-rbt LD50:>5 g/kg FCTOD7 20,783,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

ODG000 CAS: 111-13-7 HR: 3
2-OCTANONE

mf: C₈H₁₆O mw: 128.24

PROP: Colorless liquid; pleasant apple odor. D:

0.813–0.818, refr index: 1.414–1.418, fp: –16°, mp: –20.9°, bp: 173.5°, vap d: 4.4, flash p: 160°F. Sltly sol in water; sol in alc, hydrocarbons, ether, esters.

SYNS: FEMA No. 2802 □ METHYL HEXYL KETONE (FCC)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 13,681,75

ipr-rat LD50:800 mg/kg 38MKAJ 2C,4765,82

orl-mus LD50:3824 mg/kg TOLED5 30,13,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal route. A skin irritant. Flammable liquid when exposed to heat, flame, or oxidizers. To fight fire, use foam, alcohol foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHER and KETONES.

ODI000 CAS: 106-68-3 HR: 3
3-OCTANONE

DOT: UN 2271

mf: C₈H₁₆O mw: 128.24

PROP: Liquid; fruity odor. Bp: 157–162°, d: 0.822 @ 20°/20°, flash p: 138°F.

SYNS: AMYL ETHYL KETONE □ EAK □ ETHYL AMYL KETONE □ 5-METHYL-3-HEPTANONE (OSHA)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,715,74

ipr-mus LD50:406 mg/kg SCCUR* -5,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 25 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by intraperitoneal route. Moderately irritating to skin, eyes, and mucous membranes by inhalation. Narcotic in high concentration. Flammable liquid when exposed to heat, sparks, flame, or oxidizers. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke. See also KETONES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Ketones II, 1301.

ODO000 CAS: 63937-47-3 HR: 1
2-OCTANOYL-1,2,3,4-TETRAHYDROISO-QUINOLINE

mf: C₁₇H₂₅NO mw: 259.43

SYNS: AI3-36420 □ 1,2,3,4-TETRAHYDRO-2-OCTANOYLISO-QUINOLINE □ 1,2,3,4-TETRAHYDRO-2-(1-OXOOCTYL)-ISOQUINOLINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD NTIS** AD-A042-527

eye-rbt 100 mg MLD NTIS** AD-A042-527

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.

ODQ300 CAS: 16607-77-5 HR: 3
1,3,7-OCTATRIEN-5-YNE

mf: C₈H₈ mw: 104.15

H(HC=CH)₃C≡CH

SAFETY PROFILE: Decomposes violently when heated to 156°C. A dangerous storage hazard; it polymerizes to a shock-sensitive explosive solid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ACETYLENE COMPOUNDS.

ODQ400 CAS: 2548-87-0 HR: D
2-OCTENAL, (2E)-

mf: C₈H₁₄O mw: 126.20

SYNS: (E)-2-OCTENAL □ OCTE

TOXICITY DATA with REFERENCE:

dnd-ham-fbr 250 μmol/1/1H MUREAV 497,185,2001

dnd-hmn-oth 300 μmol/1/1H MUREAV 497,185,2001

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

ODQ800 HR: D
trans-2-OCTEN-1-AL

mf: C₈H₁₄O mw: 126.20

PROP: Slightly yellow liquid; green odor. D: 0.830–0.850, refr index: 1.421–1.424. Sol in alc, fixed oils; sltly sol in water.

SYN: FEMA No. 3215

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

ODW000 CAS: 3391-86-4 HR: 3
1-OCTEN-3-OL

mf: C₈H₁₆O mw: 128.24

PROP: Oil.

SYNS: AMYL VINYL CARBINOL □ MATSUTAKE ALCOHOL (JAPANESE)

TOXICITY DATA with REFERENCE:

orl-rat LD50:340 mg/kg FCTXAV 14,681,76

ivn-mus LD50:56 mg/kg CSLNX* NX#02545

skn-rbt LD50:3300 mg/kg FCTXAV 14,681,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intravenous routes. Moderately toxic by skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.

ODW025 HR: D
cis-3-OCTEN-1-OL

mf: C₈H₁₆O mw: 128.22

PROP: White to yellowish liquid; musty, mushroom odor. D: 0.830–0.850, refr index: 1.440. Insol in water.

SYN: FEMA No. 3467

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

ODW028 CAS: 2442-10-6 HR: 2
1-OCTEN-3-OL ACETATE

mf: C₁₀H₁₈O₂ mw: 170.28

SYNS: AMYL VINYL CARBINOL ACETATE □ AMYL VINYL CARBINYL ACETATE □ OCTENYL ACETATE □ 1-PENTYL-ALLYL ACETATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:850 mg/kg FCTOD7 20,641,82

skn-rbt LD50:>5 g/kg FCTOD7 20,641,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Slightly toxic by skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

ODW030 HR: D
1-OCTEN-3-YL ACETATE

mf: C₁₀H₁₈O₂ mw: 170.24

PROP: Colorless liquid; metallic, mushroom odor. D: 0.865–0.886, refr index: 1.414–1.434 @ 25°. Sol in fixed oils; insol in water, propylene glycol.

SYNS: FEMA No. 3587 □ PINOCARVEOL

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

ODW040 HR: D
1-OCTEN-3-YL BUTYRATE

mf: C₁₂H₂₂O₂ mw: 198.31

PROP: Colorless liquid; metallic, mushroom odor. D: 0.859–0.880, refr index: 1.416–1.437 @ 25°. Sol in alc, fixed oils; sltly sol in propylene glycol; insol in water.

SYN: FEMA No. 3612

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

ODY000 CAS: 6168-86-1 HR: 3
OCTIN HYDROCHLORIDE

mf: C₉H₁₉N•ClH mw: 177.75**PROP:** Hygroscopic powder. Mp: 68°.**SYNS:** ISOMETHEPTENE HYDROCHLORIDE □ 2-METHYL-AMINOISOOCTANE HYDROCHLORIDE □ METHYLAMINO-METHYLHEPTENE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:70 mg/kg JPETAB 81,235,44
 scu-rat LDLo:160 mg/kg JPETAB 71,62,41
 scu-mus LD50:171 mg/kg JPETAB 92,214,48
 ivn-mus LD50:18 mg/kg JPETAB 92,214,48
 scu-dog LD50:76 mg/kg JPETAB 92,214,48
 ivn-dog LD50:26 mg/kg JPETAB 92,214,48
 scu-rbt LD50:101 mg/kg JPETAB 92,214,48
 ivn-rbt LD50:18 mg/kg JPETAB 92,214,48
 par-frg LDLo:200 mg/kg QJPPAL 9,647,36

SAFETY PROFILE: Poison by intraperitoneal, intravenous, parenteral, and subcutaneous routes. An adrenergic agent. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

ODY100 CAS: 13448-22-1 HR: 3 OCTOCLOTHEPINEmf: C₁₉H₂₁ClN₂S mw: 344.93

SYNS: 1-(8-CHLORO-10,11-DIHYDRODIBENZO(b,f)THIEPIN-10-YL)-4-METHYLPIPERAZINE □ CLOROTEPINE □ CLOTEPIN □ CLOTHEPIN □ OCTOCLOTHEPIN □ PIPERAZINE, 1-(8-CHLORO-10,11-DIHYDRODIBENZO(b,f)THIEPIN-10-YL)-4-METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:78 mg/kg CCCCAC 48,144,83

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Cl⁻.

ODY150 CAS: 6197-30-4 HR: 1 OCTOCRILENEmf: C₂₄H₂₇NO₂ mw: 361.52

SYNS: ACRYLIC ACID, 2-CYANO-3,3-DIPHENYL-, 2-ETHYL-HEXYL ESTER □ AGENT AT 539 □ 2-ETHYLHEXYL α-CYANO-β,β'-DIPHENYLACRYLATE □ 2-ETHYLHEXYL 2-CYANO-3,3-DIPHENYLACRYLATE □ 2-ETHYLHEXYL 2-CYANO-3,3-DIPHENYL-2-PROPENOATE □ 2-ETHYLHEXYL 2-CYANO-3-PHENYLCINNAMATE □ EUSOLEX OCR □ NEO HELIOPAN 303 □ OCTOCRYLENE □ 2-PROPENOIC ACID, 2-CYANO-3,3-DIPHENYL-, 2-ETHYLHEXYL ESTER □ SANDUVOR 3039 □ UVINUL 3039 □ UVINUL N 539 □ VIOSORB 930

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg NTIS** OTS0556792

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

ODY200 CAS: 79517-01-4 HR: 3 OCTREOTIDE ACETATEmf: C₄₉H₆₆N₁₀O₁₀S₂•2C₂H₄O₂ mw: 1139.49

SYNS: L-CYSTEINAMIDE, d-PHENYLALANYL-L-CYSTEINYL-L-PHENYLALANYL-d-TRYPTOPHYL-L-LYSYL-L-THREONYL-N-(2-HYDROXY-1-(HYDROXYMETHYL)PROPYL)-, CYCLIC(2-7)-DISULFIDE, (R-(R*,R*-)), ACETATE (SALT) □ SMS 201-995

TOXICITY DATA with REFERENCE:

scu-man TDLo:2587 µg/kg;GIT,LVR LANCAO 348,1668,1996

scu-man TDLo:1429 µg/kg;GIT,LVR LANCAO 348,1668,1996

scu-rat LD:>50 mg/kg KSRNAM 21,5151,1987

ivn-rat LD50:18,100 µg/kg IYKEDH 22,967,1991

scu-mus LD:>100 mg/kg KSRNAM 21,5151,1987

ivn-mus LD50:72300 µg/kg IYKEDH 22,967,1991

SAFETY PROFILE: A poison by subcutaneous and intravenous routes. Human systemic effects: changes in structure or function of endocrine pancreas, liver function tests impaired. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

OEE000 CAS: 103-09-3 HR: 3 OCTYL ACETATEmf: C₁₀H₂₀O₂ mw: 172.30

PROP: Water-white, stable liquid. D: 0.873 @ 20°/20°, mp: -93°, bp: 199°, flash p: 190°F. Sol in water; misc in alc and ether. (OC).

SYNS: ACETIC ACID α-ETHYLEXYL ESTER □ 2-ETHYLHEXANYL ACETATE □ β-ETHYLHEXYL ACETATE □ 2-ETHYLHEXYL ACETATE □ 2-ETHYLHEXYL ETHANOATE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open JIHTAB 26,269,44

skn-rbt 500 mg open MLD UCDS** 4/21/67

eye-rbt 436 mg AJOPAA 29,1363,46

orl-rat LD50:3000 mg/kg JIHTAB 26,269,44

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin and eye irritant. Flammable when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS, OCTYL ALCOHOL, and ACETIC ACID.

OEG000 CAS: 112-14-1 HR: 2 1-OCTYL ACETATEmf: C₁₀H₂₀O₂ mw: 172.30

PROP: Colorless liquid; orange-jasmine odor. D: 0.865, refr index: 1.418–1.421, mp: -38.5°, bp: 210°, flash p: 190°F. Insol in water; misc with alc, ether, fixed oils.

SYNS: ACETATE C-8 □ ACETIC ACID, OCTYL ESTER □ CAPRYLYL ACETATE □ FEMA No. 2806 □ 1-OCTANOL ACETATE □ n-OCTANYL ACETATE □ OCTYL ACETATE □ n-OCTYL ACETATE □ OCTYL ALCOHOL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 12,807,74

orl-rat LD50:3000 mg/kg AMIHBC 10,61,54

skn-rbt LD50:>5 g/kg FCTXAV 12,815,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

OEG100 CAS: 112-14-1 HR: 2 3-OCTYL ACETATEmf: C₁₀H₂₀O₂ mw: 172.27

PROP: Colorless liquid; rosy, minty odor. D: 0.856–0.860, refr index: 1.414, fp: 190°. Sol in alc, propylene glycol, fixed oils; sltly sol in water.

SYN: FEMA No. 3583

SAFETY PROFILE: Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

OEI000 CAS: 111-87-5 HR: 3
OCTYL ALCOHOL

mf: $C_8H_{18}O$ mw: 130.28

PROP: Colorless liquid with penetrating aromatic odor. D: 0.827 @ 20°, mp: -16.7°, bp: 194.5°, flash p: 178°F. Sol in water; misc in alc, ether, and chloroform. Found in several citrus oils and at least 10 other natural sources (FCTXAV 11,95,73).

SYNS: ALCOHOL C-8 □ ALFOL 8 □ CAPRYL ALCOHOL □ CAPRYLIC ALCOHOL □ DYTOL M-83 □ EPAL 8 □ FEMA No. 2800 □ HEPTYL CARBINOL □ 1-HYDROXYOCTANE □ LOROL 20 □ OCTANOL □ n-OCTANOL □ 1-OCTANOL (FCC) □ OCTILIN □ OCTYL ALCOHOL, NORMAL-PRIMARY □ PRIMARY OCTYL ALCOHOL □ SIPOL L8

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 11,1079,73
 cyt-smc 2 mmol/tube HEREAY 33,457,47
 ihl-rat LCLo:5600 mg/m³/4H EPASR* 8EHQ-1088-0762
 orl-mus LD50:1790 mg/kg HYSAAV 31,310,66
 ivn-mus LD50:69 mg/kg AIPTAK 135,330,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Mutation data reported. A skin irritant. Combustible liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use water foam, fog, alcohol foam, dry chemical, CO₂. See also ALCOHOLS.

OEK010 CAS: 693-16-3 HR: 3
2-OCTYLAMINE

DOT: UN 2733

mf: $C_8H_{19}N$ mw: 129.28

SYNS: 2-AMINOCTANE □ CAPRYLAMINE □ HEPTYLAMINE, 1-METHYL- □ 1-METHYLHEPTYLAMINE □ 2-OCTANAMINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:23 mg/kg BJPCAL 7,42,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive, Flammable Liquid (UN 2734); DOT Class: 3; Label: Flammable Liquid, Corrosive (UN 2733)

SAFETY PROFILE: Poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.

OEK015 CAS: 111-86-4 HR: 3
N-OCTYLAMINE

mf: $C_8H_{19}N$ mw: 129.28

PROP: Bp: 185–187°, flash p: 140°F, d: 0.779 @ 20°/20°, vap d: 4.46.

SYNS: CAPRYLAMINE □ CAPRYLYLAMINE □ 1-OCTANAMINE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV EPASR* 8EHQ-1085-0569
 orl-rat LDLo:50 mg/kg EPASR* 8EHQ-1085-0569

ipr-mus LD50:100 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Administration to humans has caused headache, fall in blood pressure, rapid pulse, urticaria, and itching of skin due to release of histamine. An eye irritant. Flammable liquid when exposed to heat or flame, can react with oxidizing materials. To fight fire, use alcohol foam, dry chemical. Incompatible with oxidizing materials. See also AMINES and AMINES, FATTY.

OEK500 CAS: 6379-37-9 HR: 2
OCTYLAMMONIUM METHYLARSONATE

mf: $C_8H_{19}N \cdot CH_3AsO_3$ mw: 269.26

SYNS: METHANEARSONOUS ACID, COMPD. WITH OCTYLAMINE (1:1) □ OCTYLAMINE, METHANEARSONATE (1:1)

CONSENSUS REPORTS: EPA FIFRA 1988 pesticide subject to registration or re-registration.

orl-rat LD50:600 mg/kg PCOC**-823,1966

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and As.

OEM000 CAS: 5843-82-3 HR: 3
N-OCTYLATROPINIUM BROMIDE

mf: $C_{25}H_{40}NO_3 \cdot Br$ mw: 482.57

SYNS: AD 122 □ ATROPINE OCTABROMIDE □ ATROPINE-N-OCTYL BROMIDE □ ATROPIN-N-OCTYLBROMID (GERMAN) □ N-n-OCTYLATROPINE BROMIDE □ N-n-OCTYL-ATROPINIUMBROMID (GERMAN) □ N-n-OCTYLATROPINIUM BROMIDE □ 8-OCTYLATROPINIUM BROMIDE □ (-)-TROPATE-3-α-HYDROXY-8-OCTYL-1-α-H,5-α-H-TROPANUM

TOXICITY DATA with REFERENCE:

orl-mus LD50:380 mg/kg ARZNAD 7,217,57
 ipr-mus LD50:102 mg/kg OYYAA2 5,813,71
 scu-mus LD50:335 mg/kg ARZNAD 7,217,57
 ivn-mus LD50:8200 µg/kg OYYAA2 5,813,71

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻. See also ATROPINE and BROMIDES.

OEQ000 CAS: 3575-31-3 HR: 3
4-n-OCTYLBENZOIC ACID

mf: $C_{15}H_{22}O_2$ mw: 234.37

PROP: Crystals from EtOH (aq). Mp: 139°.

SYN: p-OCTYLBENZOIC ACID

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#10074

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating fumes.

OES000 CAS: 113-48-4 HR: 2
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE

mf: $C_{17}H_{25}NO_2$ mw: 275.43

SYNS: BICYCLO(2.2.1)HEPTENE-2-DICARBOXYLIC ACID, 2-ETHYLHEXYLIMIDE □ ENDOMETHYLENETETRAHYDRO-

PHTHALIC ACID, N-2-ETHYLHEXYL IMIDE \square ENT 8,184 \square N-(2-ETHYLHEXYL)BICYCLO-(2,2,1)-HEPT-5-ENE-2,3-DICARB-
OXIMIDE \square N-2-ETHYLHEXYLIMIDEENDOMETHYL-
ENETETRAHYDROPHTHALIC ACID \square N-(2-ETHYLHEXYL)-5-
NORBORNENE-2,3-DICARBOXIMIDE \square 2-(2-ETHYLHEXYL)-
3a,4,7,7a-TETRAHYDRO-4,7-METHANO-1H-ISOINDOLE-1,3(2H)-
DIONE \square MGK-264 \square OCTACIDE 264 \square N-OCTYLBICYCLO-
(2,2,1)-5-HEPTENE-2,3-DICARBOXIMIDE \square PYRODONE \square
SYNERGIST 264 \square VAN DYK 264

TOXICITY DATA with REFERENCE:

orl-rat LD50:2800 mg/kg FMCHA2 -,C157,83
skn-rat LD50:470 mg/kg 30ZDA9 -,139,71
orl-mus LD50:1 g/kg YKYUA6 32,605,81
skn-rbt LD50:470 mg/kg SPEADM 78-1,5,78

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, and intraperitoneal routes. Experimental reproductive effects. Large doses can cause central nervous system stimulation followed by depression. When heated to decomposition it emits toxic fumes of NO_x .

OES100 CAS: 2305-05-7 HR: 1
 γ -n-OCTYL- γ -n-BUTYROLACTONE

mf: $\text{C}_{12}\text{H}_{22}\text{O}_2$ mw: 198.34

SYNS: γ -DODECALACTONE \square DODECANOLIDE-1,4 \square 2(3H)-FURANONE, DIHYDRO-5-OCTYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,751,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OES300 CAS: 2243-27-8 HR: 2
1-OCTYL CYANIDE

mf: $\text{C}_9\text{H}_{17}\text{N}$ mw: 139.27

SYNS: 1-CYANOCTANE \square NONANENITRILE \square n-NONANE-NITRILE \square NONANONITRILE \square n-NONANONITRILE \square OCTYL CYANIDE \square n-OCTYL CYANIDE \square PELARGONITRILE \square PELARGONONITRILE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2059 mg/kg ARTODN 55,47,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and CN^- .

OES400 CAS: 32426-11-2 HR: D
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE

mf: $\text{C}_{20}\text{H}_{44}\text{N}\cdot\text{Cl}$ mw: 334.10

SYNS: AMMONIUM, DECYLDIMETHYLOCTYL, CHLORIDE \square 1-DECAMINIUM, N-OCTYL-N,N-DIMETHYL-, CHLORIDE \square 1-DECANAMINIUM, N,N-DIMETHYL-N-OCTYL-, CHLORIDE \square DECYL DIMETHYL OCTYL AMMONIUM CHLORIDE \square DECYLOCTYLDIMETHYLAMMONIUM CHLORIDE \square N,N-DIMETHYL-N-OCTYL-1-DECANAMINIUM CHLORIDE

CONSENSUS REPORTS: EPA FIFRA 1988 pesticide subject to registration or re-registration. Reported in EPA TSCA Inventory.

SAFETY PROFILE: A pesticide with unreported toxicity. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

OEU000 CAS: 119-07-3 HR: 2
OCTYL DECYL PHTHALATE

mf: $\text{C}_{26}\text{H}_{42}\text{O}_4$ mw: 418.68

PROP: A clear liquid. Bp: 239° @ 4 mm, fp: -50° , flash p: 455°F (COC), d: 0.980 @ $20^\circ/20^\circ$.

SYNS: 1,2-BENZENEDICARBOXYLIC ACID, DECYL OCTYL ESTER \square DECYL OCTYL PHTHALATE \square n-DECYL n-OCTYL PHTHALATE \square DINOPOL 235 \square n-OCTYL n-DECYL PHTHALATE \square POLYCIZER 532 \square POLYCIZER 562 \square STAFLEX 500

TOXICITY DATA with REFERENCE:

orl-rat LD50:45 g/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. Combustible when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

OEU050 CAS: 1928-44-5 HR: 2
OCTYL 2,4-DICHLOROPHENOXYACETATE

mf: $\text{C}_{16}\text{H}_{22}\text{Cl}_2\text{O}_3$ mw: 333.28

SYNS: ACETIC ACID, 2,4-DICHLOROPHENOXY-, OCTYL ESTER \square 2,4-DICHLORPHENOXYACETIC ACID OCTYL ESTER \square 2,4-D-OCTYL ESTER \square OCTYL ESTER OF 2,4-D \square OKTYLESTER 2,4-DICHLORFENOXYOCTOVE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1200 mg/kg 85GMAT-,95,1982

skn-rbt LDLo:2 g/kg 85GMAT-,95,1982

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic vapors of Cl^- .

OEU100 CAS: 60254-67-3 HR: 1
OCTYL N,N-DIETHYLOXAMATE

mf: $\text{C}_{14}\text{H}_{27}\text{NO}_3$ mw: 257.42

SYNS: ACETIC ACID, (DIETHYLAMINO)OXO-, OCTYL ESTER \square OCTYL (DIETHYLAMINO)OXOACETATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:16 g/kg VETNAL 52(5),42,1975

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x .

OEW000 CAS: 959-55-7 HR: 1
OCTYL-DIMETHYL-BENZYLAMMONIUM CHLORIDE

mf: $\text{C}_{17}\text{H}_{30}\text{N}\cdot\text{Cl}$ mw: 283.93

SYNS: BENZYLDIMETHYLOCTYLAMMONIUM CHLORIDE \square N,N-DIMETHYL-N-OCTYLBENZENEMETHANAMINIUM CHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 1 mg/24H OYYAA2 6,329,72

eye-rbt 1 mg OYYAA2 6,329,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , and Cl^- .

OEW100 CAS: 5333-42-6 HR: 2
OCTYLDODECANOL

mf: $\text{C}_{20}\text{H}_{42}\text{O}$ mw: 298.62

SYNS: 1-DODECANOL, 2-OCTYL- □ EUTANOL G □ 2-OCTYLDODECANOL □ 2-OCTYLDODECYL ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rat 100 mg/24H MOD CTOIDG 94(8),41,79

skn-rbt 100 mg/24H SEV

CTOIDG 94(8),41,79

eye-rbt 100 mg/24H MLD JACTDZ 4(5),1,85

skn-gpg 100 mg/24H MOD CTOIDG 94(8),41,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye and severe skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OHEY000 CAS: 629-82-3 HR: 2
OCTYL ETHER

mf: $\text{C}_{16}\text{H}_{34}\text{O}$ mw: 242.50

PROP: D: 0.82, vap d: 8.36, bp: 300° , flash p: $>212^\circ\text{F}$, autoign temp: 401°F .

SYNS: CAPRYLIC ETHER □ DIOCTYL ETHER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:1183 mg/kg JPMSAE 67,566,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intravenous route. Combustible when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use dry chemical, CO_2 , water spray or mist, foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS.

OHEY100 CAS: 112-32-3 HR: 1
OCTYL FORMATE

mf: $\text{C}_9\text{H}_{18}\text{O}_2$ mw: 158.27

PROP: Colorless liquid; fruity odor. D: 0.869, refr index: 1.418. Sol in fixed oils, propylene glycol; insol in glycerin.

SYNS: FEMA No. 2809 □ FORMIC ACID, OCTYL ESTER □ n-OCTYL FORMATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,883,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OFA000 CAS: 1034-01-1 HR: 3
OCTYL GALLATE

mf: $\text{C}_{15}\text{H}_{22}\text{O}_5$ mw: 282.37

SYNS: n-OCTYL ESTER of 3,4,5-TRIHYDROXYBENZOIC ACID □ OKTYLESTER KYSELINY GALLOVE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1960 mg/kg FAONAU 53A,183,74

ipr-rat LD50:60 mg/kg FAONAU 38A,22,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.

OFA100 CAS: 629-27-6 HR: 2
1-OCTYL IODIDE

mf: $\text{C}_8\text{H}_{17}\text{I}$ mw: 240.15

SYNS: 1-IOODOCTANE □ 1-JODOKTAN □ OCTANE, 1-IO- □ OCTYL IODIDE □ n-OCTYL IODIDE □ 1-n-OCTYL IODIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1982 mg/kg 85GMAT -,95,82

ipr-mus LD50:1416 mg/kg 85GMAT -,95,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of I^- .

OFA200 CAS: 557-36-8 HR: 2
2-OCTYL IODIDE

mf: $\text{C}_8\text{H}_{17}\text{I}$ mw: 240.15

SYNS: 2-IOODOCTANE □ sec-OCTYL IODIDE □ OCTANE, 2-IO- □ IODO-

TOXICITY DATA with REFERENCE:

eye-rbt 50 mg MLD GISAAA 49(2),92,1984

orl-rat LD50:8200 mg/kg GISAAA 49(2),92,1984

orl-mus LD50:1360 mg/kg GISAAA 49(2),92,1984

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic vapors of I^- .

OFE000 CAS: 26530-20-1 HR: 2
2-OCTYL-4-ISOTHIAZOLIN-3-ONE

mf: $\text{C}_{11}\text{H}_{19}\text{NOS}$ mw: 213.37

SYNS: KATHON LP PRESERVATIVE □ KATHON SP 70 □ MICRO-CHEK 11 □ MICRO-CHEK SKANE □ OCTHILINONE □ 2-OCTYL-3(2H)-ISOTHIAZOLONE □ PANCIL □ RH 893 □ SKANE M8

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MosJN# 15AUG79

eye-rbt 100 mg SEV MosJN# 15AUG79

orl-rat LD50:550 mg/kg MosJN# 15AUG79

skn-rbt LD50:690 mg/kg MosJN# 15AUG79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: 0.05 mg/ m^3

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. A mildewcide. When heated to decomposition it emits very toxic fumes of SO_x and NO_x . See also KETONES.

OFE020 CAS: 540-08-9 HR: 3
OCTYL KETONE

mf: $\text{C}_{17}\text{H}_{34}\text{O}$ mw: 254.51

SYNS: DIOCTYL KETONE □ DI-n-OCTYL KETONE □ 9-HEPTADECANONE □ PELARGONE

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:10 g/kg APTOA6 37,56,75

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**OFE030 CAS: 141-59-3 HR: 3*****tert*-OCTYLMERCAPTAN (DOT)****DOT:** UN 3023mf: C₈H₁₈S mw: 146.32**SYNS:** *tert*-OCTANETHIOL □ T-OCTYL MERCAPTAN □ *tert*-OCTANTHIOL □ 2-PENTANETHIOL, 2,4,4-TRIMETHYL- □ 2,4,4-TRIMETHYL-2-PENTANETHIOL**TOXICITY DATA with REFERENCE:**

unr-rat LD50:17,800 µg/kg 85JCAE -,984,86

unr-gpg LD50:60,300 µg/kg 85JCAE -,984,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: Poison, Flammable Liquid**SAFETY PROFILE:** A poison. A flammable liquid. When heated to decomposition it emits toxic vapors of SO_x.**OFE050 CAS: 693-54-9 HR: 1****OCTYL METHYL KETONE**mf: C₁₀H₂₀O mw: 156.30**SYNS:** 2-DECANONE □ METHYL OCTYL KETONE □ METHYL *n*-OCTYL KETONE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:7936 mg/kg TOLED5 30,13,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Slightly toxic by ingestion. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**OFE100 CAS: 119034-07-0 HR: 3**
4-(p-OCTYLOXYPHENYL)SEMICARBAZONE 1-METHYL-1H-PYRROLE-2-CARBOXALDEHYDE,mf: C₂₁H₃₀N₄O₂ mw: 370.55**SYNS:** HYDRAZINECARBOXAMIDE, 2-((1-METHYL-1H-PYRROL-2-YL)METHYLENE)-N-(4-(OCTYLOXY)PHENYL)- (9CI) □ SEMICARBAZIDE, 4-(p-OCTYLOXYPHENYL)-1-((1-METHYL-2-PYRROLYL)METHYLENE)-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:6006 µg/kg YHHPAL 24,822,1989

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**OFE200 CAS: 119034-06-9 HR: 3**
4-(p-OCTYLOXYPHENYL)SEMICARBAZONE-1H-PYRROLE-2-CARBOXALDEHYDEmf: C₂₀H₂₈N₄O₂ mw: 356.52**SYNS:** HYDRAZINECARBOXAMIDE, N-(4-(OCTYLOXY)PHENYL)-2-(1H-PYRROL-2-YLMETHYLENE)- (9CI) □ SEMICARBAZIDE, 4-(p-OCTYLOXYPHENYL)-1-(2-PYRROLYLMETHYLENE)-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5507 µg/kg YHHPAL 24,822,1989

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**OFG000 CAS: 5249-88-7 HR: 3**
4-OCTYLOXY-β-(1-PIPERIDYL)PROPIOPHENONE HYDROCHLORIDEmf: C₂₂H₃₅NO₂·ClH mw: 382.04**SYN:** 4'-(OCTYLOXY)-3-PIPERIDINOPROPIOPHENONE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:35 mg/kg JPETAB 115,419,55

ivn-mus LD50:19 mg/kg JPETAB 115,419,55

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**OFG100 CAS: 29806-73-3 HR: 1**
OCTYL PALMITATEmf: C₂₄H₄₈O₂ mw: 368.72**SYNS:** CERAPHYL 368 □ 2-ETHYLHEXYL PALMITATE □ HEXADECANOIC ACID, 2-ETHYLHEXYL ESTER (9CI) □ PALMITIC ACID, 2-ETHYLHEXYL ESTER □ WICKENOL 155**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTXAV 19,251,81

orl-rat LD50:>5 g/kg FCTXAV 19,251,81

skn-rbt LD50:>5 g/kg FCTXAV 19,251,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**OFI000 CAS: 7530-07-6 HR: 2**
OCTYLPEROXIDEmf: C₁₆H₃₄O₂ mw: 258.50**SYN:** CAPRYLYL PEROXIDE, solution**SAFETY PROFILE:** A powerful oxidizer. Probably a severe eye, skin, and mucous membrane irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also PEROXIDES, ORGANIC.**OFK000 CAS: 27193-28-8 HR: 3**
OCTYL PHENOLmf: C₁₄H₂₂O mw: 206.36**PROP:** White to light pink flakes. Bp: 280–283°, fp: 72–74°, d: 0.941 @ 24°/24°.**SYN:** USAF RH-6**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:25 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by intraperitoneal route. Combustible when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes. See also PHENOL.**OFM000 CAS: 9036-19-5 HR: 2**
OCTYL PHENOL condensed with 3 MOLES

ETHYLENE OXIDEmf: $(C_2H_4O)_n \cdot C_{14}H_{22}O$ **SYNS:** OCTYLPHENOL EO (3) □ OPE-3**TOXICITY DATA with REFERENCE:**

eye-rbt 15 mg MLD PSTGAW 20,16,53

orl-rat LD50:4000 mg/kg PSTGAW 20,16,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**OFK100 CAS: 1806-26-4 HR: D
4-OCTYLPHENOL**mf: $C_{14}H_{22}O$ mw: 206.33**SYNS:** p-OCTYLPHENOL □ PHENOL, 4-OCTYL-**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.**OFM900 CAS: 9036-19-5 HR: 2
OCTYL PHENOL EO (16)**mf: $(C_2H_4O)_n \cdot C_{14}H_{22}O$ **SYN:** OCTYL PHENOL condensed with 16 MOLES ETHYLENE OXIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2800 mg/kg TXAPA9 5,782,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**OFO000 CAS: 9036-19-5 HR: 2
OCTYL PHENOL condensed with 5 MOLES
ETHYLENE OXIDE**mf: $(C_2H_4O)_n \cdot C_{14}H_{22}O$ **SYN:** OCTYL PHENOL EO (5)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3800 mg/kg TXAPA9 5,782,63 PSTGAW 20,16,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**OFQ000 CAS: 9036-19-5 HR: 2
OCTYL PHENOL condensed with 8-10 MOLES
ETHYLENE OXIDE**mf: $(C_2H_4O)_n \cdot C_{14}H_{22}O$ **SYNS:** OCTYLPHENOL EO (10) □ TRITON X100**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1800 mg/kg PSTGAW 20,16,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**OFU000 CAS: 9036-19-5 HR: 2****OCTYL PHENOL EO (20)****SYN:** OCTYL PHENOL condensed with 20 MOLES ETHYLENE OXIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3600 mg/kg TXAPA9 5,782,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**OFQ050 CAS: 3991-73-9 HR: 3
OCTYLPHOSPHATE**mf: $C_8H_{19}O_4P$ mw: 210.24**SYNS:** MONOOCTYL PHOSPHATE □ MONOOCTYL-PHOSPHORIC ACID □ PHOSPHORIC ACID, MONOOCTYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD:>250 mg/kg NCNSA6 5,37,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A poison by ingestion. When heated to decomposition it emits toxic vapors of PO_x .**OFU100 CAS: 2687-94-7 HR: 2
1-OCTYL-2-PYRROLIDINONE**mf: $C_{12}H_{23}NO$ mw: 197.36**PROP:** Mp: -23° , d: 0.920, flash p: $>230^\circ F$.**SYNS:** N-OCTYLPYRROLIDINONE □ N-OCTYLPYRROLIDONE □ 2-PYRROLIDINONE, 1-OCTYL-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV FCTOD7 26,475,88

eye-rbt 100 mg SEV FCTOD7 26,475,88

orl-rat LD50:2050 mg/kg FCTOD7 26,475,88

SAFETY PROFILE: Moderately toxic by ingestion. A severe skin and eye irritant. A corrosive. Combustible liquid. When heated to decomposition it emits toxic fumes of NO_x .**OFU200 CAS: 142-31-4 HR: 3
OCTYL SODIUM SULFATE**mf: $C_8H_{17}O_4S \cdot Na$ mw: 232.30**SYNS:** CYCLOXYL OS □ DUPONOL 80 □ SIPEX OLS □ SODIUM CAPRYL SULFATE □ SODIUM OCTYL SULFATE □ SODIUM OCTYL SULPHATE □ SOS □ SULFURIC ACID, MONOOCTYL ESTER, SODIUM SALT**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3200 mg/kg JAPMA8 42,283,53

ipr-mus LD50:396 mg/kg JAPMA8 42,283,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of SO_x .**OFU300 CAS: 22047-49-0 HR: 2
OCTYL STEARATE**mf: $C_{26}H_{52}O_2$ mw: 396.78**SYNS:** 2-ETHYLHEXYL OCTADECANOATE □ 2-ETHYLHEXYL STEARATE □ OCTADECANOIC ACID, 2-ETHYLHEXYL ESTER (9CI) □ STEARIC ACID, 2-ETHYLHEXYL ESTER □ WICKENOL 156

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD JACTDZ 4(5),107,85
 eye-rbt 100 mg MLD JACTDZ 4(5),107,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OGA000 CAS: 3547-33-9 HR: 1
2-(OCTYLTHIO)ETHANOL

mf: C₁₀H₂₂OS mw: 190.38

PROP: Pale-amber liquid. D: 0.93 @ 20°/4°, mp: 0°. Sltly sol in H₂O; misc in most org solvs.

SYNS: 2-HYDROXYETHYL-n-OCTYL SULFIDE □ MGK REPELLENT 874 □ R-874 □ R-874 PHILLIPS

TOXICITY DATA with REFERENCE:

orl-rat LD50:8530 mg/kg FMCHA2 -,C157,83
 skn-rbt LD50:13,590 mg/kg 28ZEAL 5,196,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. An insect repellent. When heated to decomposition it emits toxic fumes of SO_x.

OGE000 CAS: 5283-66-9 HR: 2
OCTYLTRICHLOROSILANE

DOT: UN 1801

mf: C₈H₁₇Cl₃Si mw: 247.69

PROP: Fuming liquid. D: 1.07 @ 20°/4°, bp: 224–226°.

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: A corrosive irritant to skin, eyes, and mucous membranes. Will react with water or steam to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.

OGG000 CAS: 3091-25-6 HR: 2
OCTYLTRICHLOROSTANNANE

mf: C₈H₁₇Cl₃Sn mw: 338.29

SYNS: MONO-n-OCTYLtin TRICHLORIDE □ MONO-n-OCTYL-ZINN-TRICHLORID (GERMAN) □ STANNANE, TRICHLOROCTYL- □ TIN, OCTYL-, TRICHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4600 mg/kg ARZNAD 19,934,69
 unr-rat LD50:3800 mg/kg TIUSAD 107,176

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

DFG MAK: 0.1 mg(Sn)/m³ calculated as total dust

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Moderately toxic by an unspecified route. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Organotin Compounds 5504.

OGI000 CAS: 27107-89-7 HR: 2
OCTYLTRIS(2-ETHYLHEXYLOXYCARBONYLMETHYLTHIO)STANNANE

mf: C₃₈H₇₄O₆S₃Sn mw: 841.99

SYNS: ACETIC ACID, ((OCTYLSTANNYLIDYNE)TRITHIO)TRI-, TRIS(2-ETHYLHEXYL) ESTER □ MONO-n-OCTYL-TIN-TRIS-(2-ETHYLHEXYLMERCAPTOACETATE) □ TIN, OCTYL-, TRIS(ISO-OCTYLTHIO GLYCOLLATE)

TOXICITY DATA with REFERENCE:

orl-mus LD50:1500 mg/kg ATXKA8 26,196,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

DFG MAK: 0.1 mg(Sn)/m³ calculated as total dust

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Organotin Compounds 5504.

OGI025 CAS: 629-05-0 HR: D
1-OCTYNE

mf: C₈H₁₄ mw: 110.22

SYN: HEXYLACETYLENE

TOXICITY DATA with REFERENCE:

dns-ham:lvf 100 μmol/L CRNGDP 6,1201,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

OGI050 CAS: 818-72-4 HR: 2
1-OCTYN-3-OL

mf: C₈H₁₄O mw: 126.22

TOXICITY DATA with REFERENCE:

orl-mus LD50:460 mg/kg THERAP 11,692,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

OGI075 CAS: 482-15-5 HR: 3
ODANTOL

mf: C₁₆H₁₉N₃S mw: 285.44

SYNS: ANDANTON □ AY 56012 □ D 201 □ DIMETHYL-AMINO-ISOPROPYL-THIOPHENYL-PYRIDYL-AMIN □ ISOTHIPENDYL □ NILERGEX □ 10H-PYRIDO(3,2-B)(1,4)-BENZOTHAZINE, 10-(2-(DIMETHYLAMINO)PROPYL)- □ 10H-PYRIDO(3,2-B)(1,4)BENZOTHAZINE-10-ETHANAMINE, N,N,α-TRIMETHYL- □ UDANTOL

TOXICITY DATA with REFERENCE:

orl-mus LD50:222 mg/kg ARZNAD 8,489,58

ipr-mus LD50:62 mg/kg ARZNAD 8,489,58

SAFETY PROFILE: A poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic vapors of NO_x and SO_x .

OGI100 CAS: 20436-27-5 HR: 3
ODODIBORANE

mf: $\text{B}_2\text{H}_5\text{I}$ mw: 153.56

SAFETY PROFILE: Violent ignition occurs spontaneously in air. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORANES and BORON COMPOUNDS.

OGI200 HR: D
ODORLESS LIGHT PETROLEUM
HYDROCARBONS

PROP: Liquid; faint odor. Bp: 300–650°.

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OGI300 CAS: 82419-36-1 HR: 3
OFLOXACIN

mf: $\text{C}_{18}\text{H}_{20}\text{FN}_3\text{O}_4$ mw: 361.41

PROP: Colorless needles from ethanol. Mp: 250–257° (decomp).

SYNS: 2,3-DIHYDRO-9-FLUORO-3-METHYL-10-(4-METHYL-1-PIPERAZINYL)-7-OXO-7H-PYRIDO(1,2,3-de)-1,4-BENZOXAZINE-6-CARBOXYLIC ACID □ DL-8280 □ FLOBACIN □ FLOXIN □ HOE 280 □ OFLOCET □ OFLOCIN □ OFLOXACIN □ OFLOXACINE □ ORF 18489 □ OXALDIN □ PT 01 □ TARIVID □ VISIREN

TOXICITY DATA with REFERENCE:

dnd-hmn:lym 80 mg/L MUREAV 211,171,89
 orl-wmn TDLo:24 mg/kg/3D-I:BAH JCLPDE 53,137,92
 orl-man TDLo:51,428 µg/kg:GIT AJMEAZ 87,479,89
 orl-rat LD50:3590 mg/kg NKRZAZ 32(Suppl 1),1084,84
 scu-rat LD50:7070 mg/kg NKRZAZ 32(Suppl 1),1084,84
 ivn-rat LD50:273 mg/kg NKRZAZ 32(Suppl 1),1084,84
 orl-mus LD50:5290 mg/kg NKRZAZ 32(Suppl 1),1084,84
 scu-mus LDLo:7690 mg/kg NKRZAZ 32(Suppl 1),1084,84
 ivn-mus LD50:208 mg/kg NKRZAZ 32(Suppl 1),1084,84
 ivn-dog LDLo:100 mg/kg NKRZAZ 32(Suppl 1),1084,84
 orl-mky LD50:500 mg/kg NKRZAZ 32(Suppl 1),1084,84

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. Human systemic effects: body temperature increase, diarrhea, hallucinations, hypermotility, irritability, psychosis. Mutation data reported. When heated to decomposition it emits toxic fumes of F^- and NO_x .

OGI350 HR: 3
OIL GAS

PROP: A gas derived from petroleum. Composition: illuminants 4.2%, carbon monoxide 10.4%, hydrogen 47.6%, methane 27.0%, carbon dioxide 4.6%, nitrogen 5.8%, oxygen 0.4%. Lel: 4.8%, uel: 32.5%, autoign temp: 637°F.

SAFETY PROFILE: A poison. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Explosive in the form

of vapor when exposed to heat or flame. To fight fire, use CO_2 , dry chemical, water spray. See also CARBON MONOXIDE.

OGK000 CAS: 8015-79-0 HR: 3
OIL OF CALAMUS, GERMAN

PROP: Extract of *Acorus calamus* L., (Fam. *Araceae*). Containing: asarone, eugenol; esters of acetic and heptylic acids. Volatile oil. Yellow to yellowish-brown liquid (viscid); aromatic odor, bitter taste. D: 0.960–0.9707 @ 20°/20°. Very sltly sol in water; misc with alc. Keep well closed, cool, and protected from light.

SYNS: CALAMUS OIL □ KALMUS OEL (GERMAN)

□ OIL OF SWEET FLAG

TOXICITY DATA with REFERENCE:

orl-rat LD50:777 mg/kg FCTXAV 2,327,64
 ipr-rat LD50:221 mg/kg FCTXAV 15,623,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also individual components.

OGL020 HR: 3
OIL OF CALAMUS, SPANISH

PROP: Oil extracted from the Indian plant belonging to the family *Araceae* and having an asarone content of nearly 80% (ANTCAO 7,378,57).

SYNS: ACORUS CALAMUS OIL □ ACORUS CALAMUS Linn., oil extract □ ESSENTIAL OIL OF ACORUS CALAMUS Linn. □ OIL OF ACORUS CALAMUS Linn. □ OIL de ACORUS CALAMUS (SPANISH)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:221 mg/kg JPETAB 125,353,59
 ipr-mus LD50:177 mg/kg JPPMAB 11,163,59
 ipr-gpg LD50:297 mg/kg ANTCAO 7,378,57

SAFETY PROFILE: Poison by intraperitoneal route.

OGL100 CAS: 8015-90-5 HR: 1
OIL OF CELERY

PROP: Yellowish to amber liquid with characteristic odor. D: 0.087–0.91.

SYNS: CELERY OIL □ CELERY SEED OIL □ OILS, CELERY

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTXAV 12,849,74
 skn-rbt LD50:>5 g/kg FCTXAV 12,849,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

OGM100 CAS: 68916-26-7 HR: 1
OIL OF CIVET

SYNS: CIVET □ CIVET ABSOLUTE

TOXICITY DATA with REFERENCE:

skn-mus 100% MLD FCTXAV 12,863,74
 orl-rat LD50:>5 g/kg FCTXAV 12,863,74
 skn-rbt LD50:>5 g/kg FCTXAV 12,863,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OGM800 **HR: D**

OIL OF LIME OIL, COLDPRESSED

PROP: Expressed from the peel of *Citrus aurantifolia* Swingle (Mexican type) or *Citrus latifolia* (Tahitian type). Yellow to brown-green liquid. Sol in fixed oils, mineral oil; insol glycerin, propylene glycol.

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OGM200 **CAS: 8022-96-6** **HR: 1**

OIL OF JASMINE

SYNS: JASMINE ABSOLUTE □ OILS, JASMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg YAKUD5 22,1513,1980

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

OGM850 **CAS: 8008-26-2** **HR: 2**

OIL OF LIME, distilled

PROP: From distillation of juice or crushed fruit of *Citrus aurantifolia* Swingle. Colorless to green-yellow liquid. Sol in fixed oils, mineral oil; insol in glycerin, propylene glycol.

SYNS: DISTILLED LIME OIL □ LIME OIL □ LIME OIL, distilled (FCC) □ OILS, LIME

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 12,729,74

dnr-bcs 20 mg/disc TOFOD5 8,91,85

orl-mus TDLo:67 g/kg/39W-I:ETA JNCIAM 35,771,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

OGQ100 **CAS: 8007-12-3** **HR: 2**

OIL OF MACE

PROP: From steam distillation of dried arillode of the ripe seed of *Myristica fragrans* Houtt. (Fam. *Myristicaceae*). Colorless to pale-yellow liquid; odor and taste of nutmeg. East Indian: d: 0.880–0.930, refr index: 1.474–1.488; West Indian: d: 0.854–0.880, refr index: 1.469–1.480 @ 20°. Sol in fixed oils, mineral oil; sltly sol in cold alc; very sol in hot alc, chloroform, ether; insol in glycerin, propylene glycol.

SYNS: NCI-C56484 □ MACE OIL □ OIL OF NUTMEG, expressed

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,851,79

orl-man TDLo:400 mg/kg:BAH,CVS AJEMEN 10,429,92

orl-rat LD50:3640 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. Human ingestion causes symptoms similar to volatile oil of nutmeg. Human systemic effects: arrhythmias, distorted perceptions, hallucinations, toxic psychosis. When heated to decomposition it emits acrid smoke and irritating fumes.

OGQ150 **CAS: 8007-48-5** **HR: 2**

OIL OF MEDITERRANEAN BAY

PROP: Flavor component for food and beverages.

SYNS: LAURUS NOBILIS OIL □ MEDITERRANEAN BAY OIL □ OILS, SWEET BAY

TOXICITY DATA with REFERENCE:

orl-mus LD50:3310 mg/kg JAFCAU 22,777,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

OGQ200 **CAS: 8016-63-5** **HR: 1**

OIL OF MUSCATEL

PROP: Bp: 210.00, d: 0.88600–0.92900 @ 25°. Insol in water.

SYNS: CLARY SAGE OIL □ OILS, CLARY SAGE □ SAGE OIL CLARY

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,865,74

orl-rat LD50:5600 mg/kg FCTXAV 12,865,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

OGS000 **HR: 2**

OIL OF MUSTARD, EXPRESSED mixed with OIL OF ARGEMONE

PROP: Mustard oil mixed with 0.5% argemone oil (IJMRAQ 61,428,73).

SYNS: ARGEMONE OIL mixed with MUSTARD OIL □ OIL OF ARGEMONE mixed with OIL OF MUSTARD

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

OGU000 **CAS: 8008-46-6** **HR: 2**

OIL OF MYRTLE

PROP: Volatile oil from leaves of *Myrtus communis* L. (TXAPA9 45,264,78). Yellow to greenish liquid; fragrant odor. D: 0.890–0.915 @ 15°/15°. Insol in water; sol in alc, chloroform, ether.

SYNS: ESSENTIAL OIL from MYRTLE □ MYRTLE OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 21,869,83

orl-rat LD50:3800 mg/kg TXAPA9 45,264,78

orl-mus LD50:2230 mg/kg TXCYAC 12,335,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OGY000 CAS: 8008-57-9 HR: 2
OIL OF ORANGE

PROP: Yellow to deep-orange liquid; characteristic orange taste and odor. D: 0.842–0.846 @ 25°/25°, refr index: 1.472 @ 20°. Sol in 2 vols 90% alc, in 1 vol glacial acetic acid; sltly sol in water; misc with abs alc, carbon disulfide. Keep well closed, cool, and protected from light. Oil expressed from the peel of *Citrus sinensis* L. *Osbeck* (Fam. *Rutaceae*) (BJCAAI 13,92,59).

SYNS: NEAT OIL OF SWEET ORANGE □ OIL OF SWEET ORANGE □ ORANGE OIL □ ORANGE OIL, coldpressed (FCC) □ SWEET ORANGE OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,733,74
orl-mus TDLo:67 g/kg/40W-I:NEO JNCIAM 35,771,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

OGY200 CAS: 8014-29-7 HR: 2
OIL OF RUE

PROP: Volatile oil from *Ruta graveolens* L., *Rutaceae*. Pale yellow liquid; characteristic, sharp, unpleasant odor. D: 0.832–0.845 @ 15°/15°. Solidifies at 8–10°. Very sltly sol in water; sol in 3 vols 70% alc. Keep well closed, cool, and protected from light.

SYN: RUE OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/2H MLD FCTXAV 13,455,75
orl-mus LD50:2070 mg/kg FCTXAV 13,455,75
skn-rbt LD50:>5 g/kg FCTXAV 13,455,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. Frequent skin contact causes erythema, vesication. Ingestion of large quantities produces epigastric pain, nausea, vomiting, confusion, convulsions, death; may terminate pregnancy. When heated to decomposition it emits acrid smoke and irritating fumes.

OGY220 CAS: 8006-87-9 HR: 1
OIL OF SANDALWOOD, EAST INDIAN

mf: C₁₅H₂₄O mw: 220.39

PROP: From steam distillation of the ground dried wood of *Santalus album* L. (FCTXAV 12,807,74). Colorless to sltly yellow viscous oily liquid; sandalwood odor. D: 0.965–0.973, refr index: 1.505, bp: 166–167° @ 14 mm. Very sol in alc, fixed oils, propylene glycol; insol in water, glycerin.

SYNS: ARHEOL □ EAST INDIAN SANDALWOOD OIL □ FEMA No. 3006 □ OILS, SANDALWOOD □ OIL OF SANTAL □ SANTAL OIL □ α-SANTALOL (FCC)

TOXICITY DATA with REFERENCE:

skn-mus 100% MLD FCTXAV 12,989,74

skn-rbt 500 mg/24H FCTXAV 12,989,74
orl-rat LD50:5580 mg/kg FCTXAV 12,989,74
skn-rbt LD50:>5 g/kg FCTXAV 12,989,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OHI000 CAS: 8006-80-2 HR: 3
OIL OF SASSAFRAS

PROP: Yellow to reddish-yellow liquid; characteristic odor and taste of sassafras. D: 1.065–1.077 @ 25°/25°. Very sltly sol in water; sol in 2 vols 90% alc. Keep well closed, cool, and protected from light. 80% saffrol (27ZTAP 3,106,69).

SYN: SASSAFRAS OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,825,82
orl-man LDLo:83 mg/kg ADCHAK 28,475,53
orl-rat LD50:1900 mg/kg FCTOD7 20,825,82
skn-rbt LD50:>5 g/kg FCTOD7 20,825,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human poison by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OHI200 CAS: 85-86-9 HR: 3
OIL RED

mf: C₂₂H₁₆N₄O mw: 352.42

PROP: Dark red crystalline powder. Mp: 199° (decomp). Sol in alkalis, EtOH, and C₆H₆; insol in H₂O.

SYNS: ATUL OIL RED G □ BENZENEAZOBENZENEAZO-β-NAPHTHOL □ BRASILAZINA OIL SCARLET □ CERASIN RED □ CERASINROT □ CEROTINSCHARLACH R □ CERTIQUAL OIL RED □ CERVEN ROZPOUSTEDLOVA 23 □ C.I. 23 □ C.I. 26100 □ C.I. SOLVENT RED 23 □ D & C RED NO. 17 □ FAST OIL SCARLET III □ FAST RED R □ FAT RED (BLUSH) □ FAT RED G □ FAT RED HRR □ FAT RED R □ FAT RED RS □ FAT SCARLET LB □ FAT SOLUBLE RED ZH □ GRASAL BRILLIANT RED G □ FETTPONCEAU G □ FETTROT □ FETTSCHARLACH □ FETTSCHARLACH LB □ MOTIROT 2R □ OIL RED 6566 □ OIL RED AS □ OIL RED B □ OIL RED 3B □ OIL RED G □ OIL RED 3G □ OIL RED O □ OIL SCARLET □ OIL SCARLET AS □ OIL SCARLET G □ ORGANOL RED BS □ ORGANOL SCARLET □ 1-((4-(PHENYLAZO)PHENYL)AZO)-2-NAPHTHALENOL □ 1-((p-PHENYLAZO)PHENYL)AZO-2-NAPHTHOL □ PONCEAU INSOLUBLE OLG □ PYRONALROT B □ 111440 RED □ RED ZH □ ROT C □ ROT G □ ROUGE CERASINE □ SCARLET B FAT SOLUBLE □ SCHULTZ NO. 31 □ SILOTRAS SCARLET TB □ SOMALIA RED III □ SOUDAN III □ STEARIX SCARLET □ SUDAN III □ SUDAN G □ SUDAN G III □ SUDAN III (G) □ SUDAN P III □ SUDAN RED III □ TETRAZOBENZENE-β-NAPHTHOL □ TONEY RED □ TONY RED

TOXICITY DATA with REFERENCE:

cyt-ham:ovr 20 μmol/L/5H-C ENMUDM 1,27,79
ipr-rbt LDLo:250 mg/kg JPBA7 87,317,64
scu-rbt LDLo:1000 mg/kg JPBA7 87,317,64
ipl-rbt LDLo:500 mg/kg JPBA7 87,317,64

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 8,241,75. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous and intrapleural routes. Questionable carcinogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

OHJ000**HR: 1****OIL ROSE TURKISH**

PROP: From the flowers of *Rose damascena*, includes citronellol and geraniol (FCTXAV 13,681,75).

SYNS: ATTAR ROSE TURKISH □ OTTO ROSE TURKISH □ TURKISH ROSE OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 13,681,75

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OHJ100**CAS: 68991-29-7****HR: 1****OILS, EUCALYPTUS, E. CITRIODORA, ACETYLATED**

PROP: Colorless to pale yellow liquid with camphoraceous odor. Bp: 176–177°, d: 0.921–0.923. Insol in water.

SYNS: CITRODYLE □ EUCALYPTUS CITRIODORA OIL, ACETYLATED □ EUCALYPTUS OIL, ACETYLATED

TOXICITY DATA with REFERENCE:

orl-rat LD50:8749 mg/kg FCTOD7 30,358,92

skn-rbt LD50:>5 g/kg FCTOD7 30,358,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

OHJ130**CAS: 8002-73-1****HR: 1****OILS, ORRIS**

PROP: Pale yellow to yellow oil with woody fatty violet fruity sweet floral. Mp: 40.00–46.00°. Sol in ethyl alcohol. Insol in water.

SYNS: IRIS

□ IRIS ABSOLUTE □ ORRIS □ ORRIS ABSOLUTE □ ORRIS CONCRETE □ ORRIS CONCRETE OIL □ ORRIS EXTRACT □ ORRIS Liquid □ ORRIS OIL □ ORRIS RESIN □ ORRIS RESINOID □ ORRIS ROOT EXTRACT □ ORRIS ROOT OIL □ RESINOID IRIS □ RESINOID ORRIS

TOXICITY DATA with REFERENCE:

orl-rat LD50:9400 mg/kg FCTXAV 13,895,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

OHJ150**CAS: 8014-17-3****HR: 1****OILS, PETITGRAIN**

PROP: Flash pt: 152° F. D: 0.87800–0.88900°. Insol in water.

SYNS: MANDARIN PETITGRAIN OIL □ OIL CITRUS RETICULATA □ OIL MANDARIN □ ORANGE LEAF OIL,

BITTER □ ORANGE LEAF WATER, ABSOLUTE □ PETITGRAIN BIGARADE OIL □ PETITGRAIN OIL □ PETITGRAIN OIL SAPONIFIED

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTOD7 30,1018,92

skn-rbt LD50:>2 g/kg FCTOD7 30,1018,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A combustible liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

OHJ875**CAS: 2481-94-9****HR: D****OIL YELLOW DEA**

mf: C₁₆H₁₉N₃ mw: 253.38

PROP: A solid. Mp: 97–98°.

SYNS: C-299 □ CERES YELLOW GGN □ C.I. 11021 □ C.I. SOLVENT YELLOW 56 □ p-(DIETHYLAMINO)AZOBENZENE □ 4-(DIETHYLAMINO)AZOBENZENE □ N,N-DIETHYL-4-AMINOAZOBENZENE □ N,N-DIETHYL-p-(PHENYLazo)-ANILINE □ N,N-DIETHYL-4-(PHENYLazo)BENZENAMINE □ DIETHYL YELLOW □ OIL YELLOW 2635 □ OIL YELLOW DE □ OIL YELLOW E190 □ OIL YELLOW ENC □ OIL YELLOW GA □ OIL YELLOW NB □ SUDAN YELLOW GGN □ WAXOLINE YELLOW ED

TOXICITY DATA with REFERENCE:

mma-sat 1 µg/plate EPASR* 8EHQ-0982-0455

otr-ham:kdy 250 µg/L BJCAAI 38,34,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

OHK000**CAS: 6370-43-0****HR: 2****OIL YELLOW HA**

mf: C₁₄H₁₄N₂O mw: 226.30

PROP: Red needles with blue reflex. Mp: 98°.

SYNS: C.I. 11860 □ C.I. SOLVENT YELLOW 12 □ OIL YELLOW OPS □ OLEAL YELLOW RE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.

OHK100**CAS: 78111-17-8****HR: 3****OKADAIC ACID**

mf: C₄₄H₆₈O₁₃ mw: 805.12

PROP: White crystals or powder. Mp: 164–166°.

SYNS: ACANTHIFOLICIN, 9,10-DEEPITHIO-9,10-DIDEHYDRO- □ 9,10-DEEPITHIO-9,10-DIDEHYDROACANTHIFOLICIN

TOXICITY DATA with REFERENCE:

sce-hmn-lym 3800 µmol/L MUREAV 289,275,93

sce-hmn-ovr 2500 µmol/L MUREAV 289,275,93

msc-ham-Ing 10 µg/L MUREAV 250,375,91

ipr-mus LD50:192 µg/kg JACSAT 103,2469,81

SAFETY PROFILE: A poison by intraperitoneal route. Questionable carcinogen. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

OHK200**CAS: 37139-99-4****HR: 2****OLEALKONIUM CHLORIDE**

mf: $C_{27}H_{48}N \cdot Cl$ mw: 422.21

SYNS: AMMONYX KP □ BENZENEMETHANAMINIUM, N,N-DIMETHYL-N-9-OCTADECENYL-, CHLORIDE, (Z)- □ BENZYLDMETHYLOLEYLAMMONIUM CHLORIDE □ CYCLOTON 7LUF □ (Z)-N,N-DIMETHYL-N-9-OCTADECENYLBENZENEMETHANAMINIUM CHLORIDE □ RHODAQUAT 7LUF □ TRET-O-LITE XC 503

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV NTIS** OTS0539871

eye-rbt 100 μ L/24H SEV NTIS** OTS0539907

eye-rbt 100 μ L SEV NTIS** OTS0539910

SAFETY PROFILE: A severe skin and eye irritant. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

OHM600

HR: D

OLEAMIDE

PROP: Bead form at 25 C. Mp: 79–85°.

SYN: OLEIC ACID AMIDE

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OHM700

CAS: 112-90-3

HR: 2

OLEAMINE

mf: $C_{18}H_{37}N$ mw: 267.56

PROP: Hazy clear liquid with slt amine/lemon odor. Bp: 100°, d: 1.03. Sol in water.

SYNS: ALAMINE 11 □ ARMEEN O □ KEMAMINE P 989 □ NORAM O □ cis-9-OCTADECENYLAMINE □ OLEINAMINE □ OLEYLAMIN (GERMAN) □ OLEYL AMINE

TOXICITY DATA with REFERENCE:

orl-mus TDLo:800 mg/kg (9D preg):REP DZEEA7 32,861,77

ipr-mus TDLo:400 mg/kg (9D preg):TER DZEEA7 32,861,77

ipr-mus LD50:888 mg/kg DZEEA7 35,1070,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

OHM875

HR: 3

OLEANDER

PROP: A shrub which grows to 20 feet. The leaves are narrow, about 10 inches long and are usually in groups of 3. The red, pink or white flowers grow in small clusters. The thin, 5-inch long seed capsules contain seeds with fluffy wings. It is native to the Mediterranean region, but is cultivated outdoors in warm areas and also is grown as a house plant.

SYNS: ADELFA (PUERTO RICO) □ ALHELI EXTRANJERO (PUERTO RICO) □ LAURIER ROSE (HAITI) □ NERIUM OLEANDER □ 'OLEANA (HAWAII) □ 'OLINANA (HAWAII) □ 'OLIWA (HAWAII) □ ROSA FRANCESCA (CUBA) □ ROSE BAY □ ROSE LAUREL (MEXICO)

SAFETY PROFILE: Poisonous cardiac glycosides are found in all parts of the plant, smoke from burning plants, and water which has been used to soak the plants. Human systemic effects by ingestion include: mouth pain, nausea,

vomiting, abdominal pain and cramps, diarrhea. Cardiac glycosides may cause death by their effect on heart function. See also OLEANDRIN and DIGITALIS.

OHM900

CAS: 3922-90-5

HR: 3

OLEANDOMYCIN

mf: $C_{35}H_{61}NO_{12}$ mw: 687.97

SYNS: AMIMYCIN □ ANTIBIOTIC PA-105 □

OLEANDOMYCINE □ PA 775 □ ROMICIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:6700 mg/kg AMPMAR 39,259,198

scu-rat LD50:10 g/kg HMAACX 23,714,1956

ivn-rat LD50:440 mg/kg HMAACX 23,714,1956

orl-mus LD50:8200 mg/kg HMAACX 23,714,1956

scu-mus LD50:2500 mg/kg HMAACX 23,714,1956

ivn-mus LD50:460 mg/kg 85FZAT-475,1967

ivn-rbt LD50:300 mg/kg HMAACX 23,714,1956

ipr-gpg LD50:2343 mg/kg HMAACX 23,714,1956

SAFETY PROFILE: A poison by intravenous route.

Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x .

OHO000

CAS: 6696-47-5

HR: 3

OLEANDOMYCIN HYDROCHLORIDE

mf: $C_{35}H_{61}NO_{12} \cdot ClH$ mw: 724.43

PROP: Long needles from ethyl acetate. Mp: 134–135°. Very sol in water.

SYN: OLEANDOMYCIN MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LD50:10,000 mg/kg ARZNAD 8,386,58

ivn-rat LD50:376 mg/kg ANTCAO 7,419,57

orl-mus LD50:4000 mg/kg ANTCAO 7,419,57

scu-mus LD50:2500 mg/kg ARZNAD 8,386,58

ivn-mus LD50:550 mg/kg 85ERAY 1,30,78

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

OHO200

CAS: 7060-74-4

HR: 3

OLEANDOMYCIN PHOSPHATE

mf: $C_{35}H_{61}NO_{12} \cdot H_3O_4P$ mw: 785.97

PROP: Sol in DMSO.

SYN: MATROMYCIN

TOXICITY DATA with REFERENCE:

ivn-rat LD50:480 mg/kg ANTCAO 7,419,57

orl-mus LD50:4 g/kg NIIRDN 6,164,82

scu-mus LD50:1 g/kg NIIRDN 6,164,82

ivn-mus LD50:400 mg/kg NIIRDN 6,164,82

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of PO_x and NO_x . See also PHOSPHATES.

OHQ000

CAS: 465-16-7

HR: 3

OLEANDRIN

mf: $C_{32}H_{48}O_9$ mw: 576.80

PROP: From the leaves of *Nerium oleander* L., *Apocynaceae* (*Laurier rose*). Crystals from dil methanol. Mp: 250° (decomp). Practically insol in water; sol in alc, chloroform.

SYNS: CORRIGEN ☐ FOLIANDRIN ☐ FOLINERIN ☐ FOLINEVIN ☐ NERIOL ☐ NERIOLIN ☐ NERIOSTONE ☐ OLEANDRINE

TOXICITY DATA with REFERENCE:

ivn-cat LD50:300 µg/kg MEIEDD 10,979,83

scu-frg LDLo:2250 µg/kg 27ZWAY E.1,78,-

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes.

OHQ300 CAS: 50657-29-9 HR: D
OLEANOGLYCOTOXIN A

mf: C₄₈H₇₈O₁₈ mw: 943.26

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

OHS000 HR: 3
OLEFINS

PROP: Unsaturated aliphatic hydrocarbons having one or more double bonds.

SAFETY PROFILE: Unsaturated aliphatic hydrocarbons do not differ greatly from paraffins, particularly insofar as their toxic effect on working personnel is concerned. Ethylene and some of its homologs occur in manufactured and natural gases. Ethylene can be used as an anesthetic, and on inhalation in sufficient quantity it can be an asphyxiant. However, the greatest hazard from its use is the danger of fire and explosion. Prolonged or repeated exposures to high concentrations of various olefins have caused certain toxic effects in animals, such as liver damage and hyperplasia of the bone marrow (due to butene-2), but no corresponding effects due to industrial exposures have been discovered in human beings. The diolefins butadiene and isoprene are more irritating than paraffins or mono-olefins of the same volatility. The α-olefins (e.g., 1-octene, 1-octadecene) are particularly reactive because the double bond is on the first carbon. In general the olefins have comparatively low toxicity, but are fire and explosion hazards.

OHU000 CAS: 112-80-1 HR: 3
OLEIC ACID

mf: C₁₈H₃₄O₂ mw: 282.52

CH₃(CH₂)₇CH=CH(CH₂)₇CO•OH

PROP: Colorless liquid; odorless when pure. Mp: 12° (labile form), mp: 16° (stable form), bp: 203–205° @ 5 mm, bp: 286° @ 100 mm, flash p: 372°F (CC), d: 0.895 @ 25°/25°, autoign temp: 685°F, vap press: 1 mm @ 176.5°. Insol in water; misc in alc and ether.

SYNS: CENTURY CD FATTY ACID ☐ EMERSOL 210 ☐ EMERSOL 213 ☐ EMERSOL 6321 ☐ EMERSOL 233LL ☐ EMERSOL 221 LOW TITER WHITE OLEIC ACID ☐ EMERSOL 220 WHITE OLEIC ACID ☐ GLYCON RO ☐ GLYCON WO ☐ GROCO 2 ☐ GROCO 4 ☐ GROCO 5L ☐ HY-PHI 1055 ☐ HY-PHI 1088 ☐ HY-PHI 2066 ☐ HY-PHI 2088 ☐ HY-PHI 2102 ☐ INDUSTRENE 105 ☐ INDUSTRENE 205 ☐ INDUSTRENE 206 ☐ K 52 ☐ L'ACIDE OLEIQUE (FRENCH) ☐ METAUPON ☐ NEO-FAT 90-04 ☐ NEO-FAT 92-04 ☐ cis-Δ⁹-OCTADECENOIC ACID ☐ cis-OCTADEC-9-ENOIC ACID ☐ cis-9-OCTADECENOIC ACID ☐ 9,10-OCTADECENOIC ACID ☐ PAMOLYN ☐ RED OIL ☐ TEGO-

OLEIC 130 ☐ VOPCOLENE 27 ☐ WECOLINE OO ☐ WOCHEN No. 320

TOXICITY DATA with REFERENCE:

skn-hmn 15 mg/3D-I MOD 85DKA8 -,127,77

skn-rbt 500 mg open MLD UCDS* 11/29/63

eye-rbt 100 mg MLD JACTDZ 6(3),321,87

cyt-smc 100 mg/L NATUAS 294,263,81

dns-mus-rec 35 mg/kg CALEDQ 23,253,84

cyt-ham:fbr 2500 µg/L CRNGDP 3,499,82

orl-rat LD50:74 g/kg UCDS* 11/29/63

ivn-rat LD50:2400 µg/kg AJPA4 103,376,81

ivn-mus LD50:230 mg/kg APTOA6 18,141,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by intravenous route.

Mildly toxic by ingestion. Mutation data reported. A human skin and eye irritant. Questionable carcinogen with experimental tumorigenic data. Combustible when exposed to heat or flame. To fight fire, use CO₂, dry chemical. The peroxidized acid explodes on contact with aluminum. Potentially dangerous reaction with perchloric acid + heat. When heated to decomposition it emits acrid smoke and irritating fumes.

OHU100 CAS: 26094-13-3 HR: 1
OLEIC ACID, compounded with BUTYLAMINE (1:1)

mf: C₁₈H₃₄O₂•C₄H₁₁N mw: 355.68

SYNS: BUTYLAMINE OLEATE ☐ BUTYLAMMONIUM OLEATE ☐ 9-OCTADECENOIC ACID (Z)-, compd. with 1-BUTANAMINE (1:1) (9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 1 g/24H MLD LiIPW# 01NOV83

eye-rbt 100 mg MOD LiIPW# 01NOV83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

OHU200 CAS: 93-83-4 HR: 3
OLEIC ACID DIETHANOLAMIDE

mf: C₂₂H₄₃NO₃ mw: 369.66

SYNS: (Z)-N,N-BIS(2-HYDROXYETHYL)-9-OCTADECEN-AMIDE ☐ ALROSOL O ☐ AMISOL ODE ☐ CLINDROL 2000 ☐ CLINDROL 2020 ☐ COMPERLAN OD ☐ DIETHANOLEAMIDE ☐ EMID 6545 ☐ EMULSIFIER WHC ☐ LAURIDIT OD ☐ MACKAMIDE O ☐ MARLAMID D 1885 ☐ N,N-DIETHANOL-OLEAMIDE ☐ NITRENE NO ☐ OLEAMIDE DEA ☐ OLEAMIDE, N,N-BIS(2-HYDROXYETHYL)- ☐ 9-OCTADECENAMIDE, N,N-BIS(2-HYDROXYETHYL)-, (Z)- ☐ OLEIC ACID DIETHANOLAMINE CONDENSATE ☐ OLEIC DIETHANOLAMIDE ☐ SCHERCOMID ODA ☐ STAFAM DO ☐ STEINAMID DO 280SE ☐ WITCAMIDE 511C

TOXICITY DATA with REFERENCE:

skn-rbt 300 µL MOD JACTDZ 5(5),415,1986

orl-rat LD50:12,400 µL/kg NTPTR* NTP-TR-481,1999

orl-mus LD50:>10 g/kg JACTDZ 5(5),415,1986

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by ingestion. A moderate skin irritant. When heated to decomposition it emits toxic vapors of NO_x .

OHW000 CAS: 112-62-9 HR: 2

cis-OLEIC ACID, METHYL ESTER

mf: $\text{C}_{19}\text{H}_{36}\text{O}_2$ mw: 296.55

PROP: Oil. D: 0.874 @ 20°/4°, bp: 212–213° @ 15 mm. Insol in water; misc in alc and ether.

SYNS: EMEREST 2301 □ EMEREST 2801 □ EMERY 2219 □ EMERY 2310 □ EMERY OLEIC ACID ESTER 2301 □ KEMESTER 105 □ KEMESTER 115 □ KEMESTER 205 □ KEMESTER 213 □ METHYL-9-OCTADECENOATE □ METHYL cis-9-OCTADECENOATE □ METHYL (Z)-9-OCTADECENOATE □ METHYL OLEATE □ (Z)-9-OCTADECENOIC ACID METHYL ESTER

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data by skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.

OHY000 CAS: 143-18-0 HR: 1

OLEIC ACID, POTASSIUM SALT

mf: $\text{C}_{18}\text{H}_{34}\text{O}_2\cdot\text{K}$ mw: 321.62

PROP: Pale white powder. Sol in water.

SYNS: 9-OCTADECENOIC ACID (Z)-, POTASSIUM SALT □ POTASSIUM cis-9-OCTADECENOIC ACID □ POTASSIUM OLEATE □ TRENAMINE D-200 □ TRENAMINE D-201

TOXICITY DATA with REFERENCE:

eye-rbt 12 mg/48H JANCA2 56,905,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits toxic fumes of K_2O .

OIA000 CAS: 143-19-1 HR: 3

OLEIC ACID, SODIUM SALT

mf: $\text{C}_{18}\text{H}_{33}\text{O}_2\cdot\text{Na}$ mw: 304.50

PROP: White powder; slt tallow odor. Mp: 232–235°.

SYNS: EUNATROL □ OLATE FLAKES □ SODIUM OLEATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:152 mg/kg RPOBAR 2,327,70

ivn-rbt LDLo:150 mg/kg JPETAB 24,221,25

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Migrates to food from packaging materials. Combustible when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Na_2O .

OIC000 CAS: 63021-11-4 HR: 2

1-OLEOYLAZIRIDINE

mf: $\text{C}_{20}\text{H}_{37}\text{NO}$ mw: 307.58

SYN: OLEOYLETHYLENIMINE

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x .

OIG000 CAS: 9004-98-2 HR: 1

OLEYL ALCOHOL condensed with 2 moles ETHYLENE OXIDE

mf: $(\text{C}_2\text{H}_4\text{O})_n\cdot\text{C}_{18}\text{H}_{36}\text{O}$

PROP: A polyoxyethylene alkyl ether of fatty alcohols (FCTXAV 2,509,64).

SYNS: BRIJ 92 □ BRIJ 92((2)-OLEYL) □ (Z)- α -9-OCTADECENYL- ω -HYDROXYPOLY(OCY-1,2-ETHANEDIYL) □ OLEYL ALCOHOL EO (2)

TOXICITY DATA with REFERENCE:

orl-rat LD50:25,800 mg/kg SPCOAH 38,47,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS.

OIG040 CAS: 9004-98-2 HR: 2

OLEYL ALCOHOL condensed with 10 moles ETHYLENE OXIDE

mf: $(\text{C}_2\text{H}_4\text{O})_{10}\cdot\text{C}_{18}\text{H}_{36}\text{O}$

PROP: Emulsifying agent/surfactants.

SYNS: BRIJ 96((10) OLEYL) □ DECAETHOXY OLEYL ETHER □ (Z)- α -9-OCTADECENYL- ω -HYDROXYPOLY(OXY-1,2-ETHANEDIYL) □ OLEYL ALCOHOL EO (10) □ POLYETHYLENE GLYCOL MONOLEYL ETHER □ POLYOXYL 10 OLEYL ETHER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD TXAPA9 19,276,71

eye-rbt 100 mg TXAPA9 19,276,71

orl-rat LD50:2700 mg/kg SPCOAH 38,47,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits acrid smoke. See also ETHERS.

OII200 CAS: 7333-84-8 HR: 2

OLEYLAMINE HYDROFLUORIDE

mf: $\text{C}_{18}\text{H}_{37}\text{N}\cdot\text{FH}$ mw: 287.57

SYNS: OLEYLAMINE-HF □ OLEYLAMINHYDROFLUORIDE (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:459 mg/kg DZZEA7 35,1070,80

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HF. See also FLUORIDES and AMINES.

OIK000 CAS: 9004-98-2 HR: 3

OLEYLPOLYOXYETHYLENE GLYCOL ETHER

mf: $\text{C}_{58}\text{H}_{116}\text{O}_{21}$ mw: 1149.74

PROP: Solid. Mp: 25–30°, d: 1.07. Sol in water.

TOXICITY DATA with REFERENCE:

ipr-rat LD50:235 mg/kg JAPMA8 42,556,53

CONSENSUS REPORTS: Glycol ether compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Some glycol ether compounds may have dangerous human reproductive effects. When heated to

decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.

OIM000 CAS: 8050-07-5 HR: 1
OLIBANUM GUM

PROP: Contains 3–8% volatile oil (pinene, dipentene, etc.), 60% resins, 20% gum (polysaccharide fraction), and 6–8% bassorin (FCTXAV 16,637,78). A gum from the trees *Boswellia carterii* Birdw. and other *Boswellia* species (Fam. *Burseraceae*).

SYN: FRANKINCENSE GUM

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,837,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OIM025 CAS: 8050-07-5 HR: 1
OLIBANUM OIL

PROP: Distilled from a gum from the trees *Boswellia carterii* and other *Boswellia* species (Fam. *Burseraceae*). Pale liquid; pleasant balsamic odor. D: 0.862–0.889, refr index: 1.465–1.482 @ 20°. Sol in fixed oils, mineral oil; insol in glycerin, propylene glycol.

SYN: FRANKINCENSE OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,837,78

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OIM100 CAS: 11052-72-5 HR: 3
OLIGOMYCIN C

mf: C₂₈H₄₆O₆ mw: 478.74

TOXICITY DATA with REFERENCE:

ipr-mus LD50:8300 µg/kg JACSAT 80,609,1958

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.

OIQ000 CAS: 8001-25-0 HR: 2
OLIVE OIL

PROP: Yellow oil; pleasing, delicate flavor. Mp: –6°, flash p: 437°F (CC), autoign temp: 650°F, d: 0.909–0.915 @ 25°/25°. Becomes rancid on exposure to air. Sltly sol in alc; misc with ether, chloroform, carbon disulfide. From fruit of *Olea europaea* (85DIA2 2,196,77).

TOXICITY DATA with REFERENCE:

skn-hmn 300 mg/3D-I MLD 85DKA8 -,127,77

skn-man 50 mg/48H MLD CTODIG 94(8),41,79

skn-rbt 100 mg/48H MOD CTODIG 94(8),41,79

inv-mus LD50:1320 mg/kg KEKHB8 (3),19,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A human skin irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. Some spontaneous heating. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

OIS000 CAS: 11006-70-5 HR: 3
OLIVOMYCIN

PROP: A mixture of antibiotics produced by *Streptomyces olivoreticuli*. Composed of olivomycins A, B, C, and D with olivomycin A as the major component.

SYNS: ABURAMYCIN □ CHROMOMYCIN □ OLIGOMYCIN A, mixed with OLIGOMYCIN B □ OLIGOMYCIN B, mixed with OLIGOMYCIN A □ OLIVOMITSIN

TOXICITY DATA with REFERENCE:

dnd-esc 100 µmol/L PMSBA4 2,48,71

dnd-hmn:hla 5 mg/L CNREA8 45,2813,85

orl-mus LD50:20 mg/kg 85FZAT -,85,67

ipr-mus LD50:1700 µg/kg 85FZAT -,214,67

scu-mus LD50:3 mg/kg 85ERAY 2,1401,78

ivn-mus LD50:5 mg/kg 85ERAY 2,1322,78

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Human mutation data reported. See also other olivomycin entries.

OIU000 CAS: 6988-58-5 HR: 3
OLIVOMYCIN A

mf: C₅₈H₈₄O₂₆ mw: 1197.42

PROP: Yellow crystals. Mp: 160–165°. Sol in alc, ether, chloroform; insol in benzene, water.

SYNS: NSC-76411 □ OLIVOMYCIN I

ipr-mus LD50:6600 µg/kg ANTBAL 29,666,84

ivn-mus LD50:4600 µg/kg 85GDA2 1,336,80

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. See also OLIVOMYCIN.

OIU499 CAS: 102647-16-5 HR: 3
OLIVOMYCIN D

mf: C₅₈H₈₄O₂₆ mw: 1197.42

SYNS: ANTIBIOTIC A-649 □ ANTIBIOTIC A-64922 □ BRISTOL A-649 □ C-1228 □ NSC-38270 □ OLIVOMITSIN □ OLIVOMYCIN □ OLIVOMYCIN A □ OLIVOMYCINE

TOXICITY DATA with REFERENCE:

cyt-hmn-leu:15 µg/L CNREA8 26,2437,66

ipr-mus LD50:5474 µg/kg NCISP* JAN86

scu-mus LD50:3861 µg/kg NCISP* JAN86

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also other olivomycin entries.

OIU850 CAS: 43143-11-9 HR: D
OMADINE MDS

mf: C₁₀H₈N₂O₂S₂•O₄S•Mg mw: 372.69

SYNS: MAGNESIUM SULFATE adduct of 2,2-DITHIO-BIS-PYRIDINE 1-OXIDE □ SULFURIC ACID, MAGNESIUM SALT (1:1), compounded with 2,2'-DITHIOBIS(PYRIDINE) 1,1'-OXIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

OIU900 CAS: 2149-70-4 HR: D
OMEGA-NITRO-I-ARGININE

mf: C₆H₁₃N₅O₄ mw: 219.24

SYNS: N⁵-(IMINO(NITROAMINO)METHYL)-L-ORNITHINE □ NITROARGININE □ NITRO-L-ARGININE □ L-NG-NITRO-ARGININE □ NG-NITROARGININE □ (+)-NC-NITRO-ARGININE □ OMEGA-NITROARGININE □ NOLA □ L-ORNITHINE, N⁵-(IMINO(NITROAMINO)METHYL)- □ ORNITHINE, N⁵-(NITROAMIDINO)-, L-

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x.

OIW000 CAS: 52684-23-8 HR: 3 OMP-1

mf: (C₁₆H₃₂O₂Sn•C₁₃H₂₆O₂Sn•C₅H₆O₂)_x

PROP: Trialkyltin methacrylate polymer (NTIS** AD-A062-138).

SYN: 2-METHYL-2-PROPENOIC ACID METHYL ESTER, POLYMER with TRIBUTYL((2-METHYL-1-OXO-2-PROPENYL)-OXY)STANNANE and ((2-METHYL-1-OXO-2-PROPENYL)-OXY)TRIPROPYLSTANNANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H NTIS** AD-A062-138

eye-rbt 100 mg NTIS** AD-A062-138

orl-rat LD50:280 mg/kg NTIS** AD-A062-138

ihl-rat LC50:64 mg/m³/4H NTIS** AD-A062-138

SAFETY PROFILE: Poison by ingestion and inhalation. An eye and skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ORGANOMETALS.

OIY000 CAS: 26354-18-7 HR: 3 OMP-2

mf: (C₁₆H₃₂O₂Sn•C₅H₈O₂)_x

PROP: Trialkyltin methacrylate polymer (NTIS** AD-A062-138).

SYNS: 2-METHYL-2-PROPENOIC ACID METHYL ESTER, POLYMER with TRIBUTYL((2-METHYL-1-OXO-2-PROPENYL)-OXY)STANNANE □ TRIBUTYL(METHACRYLOYLOXY)-STANNANE POLYMER with METHYL METHACRYLATE (8CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H NTIS** AD-A062-138

eye-rbt 100 mg NTIS** AD-A062-138

orl-rat LD50:230 mg/kg NTIS** AD-A062-138

ihl-rat LC50:51 mg/m³/4H NTIS** AD-A062-138

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and inhalation. A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ORGANOMETALS.

OJA000 HR: 3 OMP-4

PROP: Trialkyltin methacrylate polymer containing 31.06% tin (NTIS** AD-A062-138).

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD NTIS** AD-A062-138

eye-rbt 100 mg MOD NTIS** AD-A062-138

orl-rat LD50:268 mg/kg NTIS** AD-A062-138

ipr-rat LD50:1400 µg/kg NTIS** AD-A062-138

orl-mus LD50:56 mg/kg NTIS** AD-A062-138

ipr-mus LD50:15 mg/kg NTIS** AD-A062-138

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ORGANOMETALS.

OJC000 CAS: 96231-64-0 HR: 3 OMP-5

PROP: Trialkyltin methacrylate polymer containing 28% tin (NTIS** AD-A062-138).

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD NTIS** AD-A062-138

orl-rat LD50:1427 mg/kg NTIS** AD-A062-138

ipr-rat LD50:19 mg/kg NTIS** AD-A062-138

orl-mus LD50:406 mg/kg NTIS** AD-A062-138

ipr-mus LD50:29 mg/kg NTIS** AD-A062-138

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ORGANOMETALS.

OJD100 CAS: 31430-18-9 HR: 3 ONCODAZOLE

mf: C₁₄H₁₁N₃O₃S mw: 301.34

PROP: A solid. Mp: 288.7°.

SYNS: METHYL 5-(2-THIENYLCARBONYL)-1H-BENZIMIDAZOLE-2-YL)CARBAMATE □ METHYL 5-(2-THENOYL)-2-BENZIMIDAZOLECARBAMATE □ NOCODAZOLE □ NSC-238159 □ R 17934 □ N-(5-(2-THIENOYL)-2-BENZIMIDAZOLYL)-CARBAMIC ACID METHYL ESTER □ 5-(2-THIENOYL)-2-BENZIMIDAZOLECARBAMIC ACID METHYL ESTER □ 5-(2-THIENYLCARBONYL)-2-BENZIMIDAZOLECARBAMIC ACID METHYL ESTER □ (5-(2-THIENYLCARBONYL)-1H-BENZIMIDAZOL-2-YL)-CARBAMIC ACID METHYL ESTER

TOXICITY DATA with REFERENCE:

sln-smc 1 ppm/16H MUREAV 141,15,84

cyt-hmn:hla 40 µg/L CNREA8 36,905,76

ipr-mus LD50:39,350 µg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also CARBAMATES.

OJD150 CAS: 99614-02-5 HR: 3 ONDANSETRON

mf: C₁₈H₁₉N₃O mw: 293.40

PROP: White to yellow crystals.

SYNS: 4H-CARBAZOL-4-ONE, 1,2,3,9-TETRAHYDRO-9-METHYL-3-((2-METHYL-1H-IMIDAZOL-1-YL)METHYL)- □ GR 38032 □ GR 38032X □ 1,2,3,9-TETRAHYDRO-9-METHYL-3-((2-METHYL-1H-IMIDAZOL-1-YL)METHYL)-4H-CARBAZOL-4-ONE

TOXICITY DATA with REFERENCE:

ivn-man TDLo:229 µg/kg/I LANCAO 344,190,94

ivn-rat LDLo:20 mg/kg SOLGAV 19(Suppl 10),53,92

ivn-mus LDLo:2500 µg/kg SOLGAV 19(Suppl 10),53,92

ivn-dog LD:>10 mg/kg SOLGAV 19(Suppl 10),53,92

SAFETY PROFILE: A poison by intravenous route. Human systemic effects by intravenous route: jaundice. When heated to decomposition it emits toxic vapors of NO_x.

**OJD200
ONION OIL****HR: 1**

PROP: From steam distillation of bulbs of *Allium ceoa* L. (Fam. *Lillaceae*). Clear amber liquid; strong pungent odor and taste of onion. Sol in fixed oils, mineral oil, alc; insol in glycerin, propylene glycol.

SYN: OIL OF ONION

SAFETY PROFILE: Skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

**OJD230 CAS: 9004-87-9 HR: 1
OP-7****TOXICITY DATA with REFERENCE:**

orl-rat LD50:7900 mg/kg GISAAA 47(9),33,82

orl-mus LD50:4450 mg/kg GISAAA 47(9),33,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

**OJD232 CAS: 9041-29-6 HR: 1
OP-10**

SYN: INHIBITOR OP-10

TOXICITY DATA with REFERENCE:

orl-rat LD50:7450 mg/kg GISAAA 47(9),33,82

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

**OJD300 CAS: 484-23-1 HR: 3
OPHTHAZIN**

mf: C₈H₁₀N₆ mw: 190.24

PROP: Orange crystals from H₂O. Mp: 180° (decomp).

SYNS: C 7441 □ CASSELLA 532 □ DIHYDRALAZIN □ DIHYDRALAZINE □ DIHYDRALLAZIN □ 1,4-DIHYDRAZINO-NAPHTHALAZINE □ DIHYDRAZINOPHTHALAZINE □ 1,4-DIHYDRAZINOPHTHALAZINE □ HYPOPRESOL □ NEPRESOL □ NEPRESOLIN □ NEPRESSOL □ PHTHALAZINE, 1,4-DIHYDRAZINO- □ 1,4-PHTHALAZINEDIONE, 2,3-DIHYDRO-, DIHYDRAZONE (9CI) □ TONOLYSIN

TOXICITY DATA with REFERENCE:

ivn-mus LD50:300 mg/kg EJMCAS 11,107,76

SAFETY PROFILE: Poison by intravenous route. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

**OJG000 HR: 3
OPIUM**

PROP: Air-dried, milky exudation from incised, unripe capsules of *Papaver somniferum* L. or *P. album* Mill. Morphine is the most important alkaloid and occurs to the extent of 10–16%.

SYN: GUM OPIUM

TOXICITY DATA with REFERENCE:

mma-sat 800 µg/plate LANCAO 2,494,78

SAFETY PROFILE: Poison by ingestion. Mutation data reported. Use may lead to habituation and addiction. A narcotic, sedative, analgesic, and hypnotic. Source of morphine, codeine, papaverine, thebaine, etc. Can cause nausea, vomiting, constipation, and respiratory problems.

Combustible when exposed to heat or flame. See also MORPHINE.

**OJG509 HR: D
OPIUM, PYROLYZATE****TOXICITY DATA with REFERENCE:**

mno-sat 100 µg/plate CRNGDP 3,577,82

sce-hmn:lym 10 mg/L CRNGDP 4,227,83

SAFETY PROFILE: Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

**OJG550 CAS: 62602-94-2 HR: D
OPTIMAX**

mf: C₁₁H₁₂N₂O₂•C₈H₁₁NO₃•C₆H₈O₆•ClH mw: 586.05

SYN: L-TRYPTOPHAN, MIXT. WITH L-ASCORBIC ACID AND 5-HYDROXY-6-METHYL-3,4-PYRIDINEDIMETHANOL-HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-man TDLo:59 mg/kg/D:BAH BMJOAE 2,701,1976

SAFETY PROFILE: Human systemic effects. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.

**OJI600 CAS: 956-03-6 HR: 3
ORACAINE HYDROCHLORIDE**

mf: C₁₄H₂₁NO₂•ClH mw: 271.82

PROP: Crystals from 2-propanol. Mp: 150–151°. Sol in water, alc.

SYNS: MEPRYLCAINE HYDROCHLORIDE □ 2-METHYL-2-(PROPYLAMINO)-1-PROPANOL BENZOATE (ester), HYDROCHLORIDE □ 2-METHYL-2-(PROPYLAMINO)-1-PROPANOL BENZOATE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:225 mg/kg AIPTAK 115,483,58

scu-mus LD50:262 mg/kg AIPTAK 115,483,58

ivn-mus LD50:21 mg/kg AIPTAK 115,483,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.

**OJI750 CAS: 51234-28-7 HR: 3
ORAFLEX**

mf: C₁₆H₁₂ClNO₃ mw: 301.74

PROP: Cream solid from EtOH. Mp: 189–190°.

SYNS: BENOXAPROFEN □ 2-(4-CHLOROPHENYL)-α-METHYL-5-BENZOXAZOLEACETIC ACID □ COMPOUND 90459 □ COXIGON □ OPREN □ UNIPROFEN

TOXICITY DATA with REFERENCE:

dnd-hmn:leu 15 mg/L CNREA8 48,3094,88

orl-wmn TDLo:168 mg/kg/2W-I:KID,BLD NPRNAY 35,279,83

orl-man TDLo:780 mg/kg/13W-I:END BMJOAE 284,1365,82

orl-wmn TDLo:552 mg/kg/46D-C:LIV LANCAO 1,959,82

orl-wmn LDLo:780 mg/kg/65D-C:LIV LANCAO 1,959,82

orl-rat LD50:118 mg/kg YACHDS 9,4445,81

ipr-rat LD50:129 mg/kg YACHDS 9,444,81
 scu-rat LD50:121 mg/kg YACHDS 9,444,81
 orl-mus LD50:800 mg/kg JMCAR 18,53,75
 ipr-mus LD50:398 mg/kg YACHDS 9,444,81
 scu-mus LD50:482 mg/kg YACHDS 9,444,81

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. Moderately toxic to humans by ingestion. Human systemic effects by ingestion: jaundice and gynecomastia (excessive development of the male mammary glands), changes in kidney tubules, decreased urine volume or anuria, and eosinophilia. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

OJK340 CAS: 8050-89-3 HR: 1
OREGON BALSAM

PROP: Pale yellow liquid with fresh pine odor.
SYNS: BALSAM FIR, OREGON \square BALSAM, OREGON \square FIR BALSAM OREGON \square DOUGLAS FIR OIL \square OILS, DOUGLAS FIR

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTXAV 17,369,1979
 skn-rbt LD50:>5 g/kg FCTXAV 17,369,1979

SAFETY PROFILE: Low toxicity by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

OJK300 HR: D
ORF 13811

mf: $\text{C}_{20}\text{H}_{34}\text{O}_5$ mw: 354.54

SYN: 4-(4,8-DIMETHYL-5-HYDROXY-7-NONENYL)-4-METHYL-3,8-DIOXABICYCLO(3.2.1)OCTANE-1-ACETIC ACID

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

OJK325 CAS: 15139-76-1 HR: D
ORANGE B

mf: $\text{C}_{22}\text{H}_{16}\text{N}_4\text{Na}_2\text{O}_9\text{S}_2$ mw: 590.50

PROP: Dull orange crystals.

SYN: 1-(4-SULFOPHENYL)-3-ETHYLCARBOXY-4-(4-SULFONAPHTHYLAZO)-5-HYDROXYPYRAZOLE

SAFETY PROFILE: When heated to decomposition emits toxic fumes of SO_x .

OJK330 HR: D
ORANGE OIL, BITTER, COLDPRESSED

PROP: Oil expressed from the peel of *Citrus aurantium* L. *Osbeck* (Fam. *Rutaceae*). Pale yellow to yellow-brown liquid; characteristic orange odor and bitter taste. D: 0.845–0.851, refr index: 1.472 @ 20°. Misc in abs alc, in 1 vol glacial acetic acid; sol in fixed oils, mineral oil; insol in glycerin.

SYNS: OIL OF BITTER ORANGE \square ORANGE OIL \square BITTER ORANGE OIL

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OJK340 HR: D
ORANGE OIL, DISTILLED

PROP: From steam distillation of fresh peel of *Citrus sinensis* L. *Osbeck* (Fam. *Rutaceae*). Colorless to pale yellow liquid; odor of fresh orange peel. Sol in fixed oils, mineral oil, alc; insol in glycerin, propylene glycol.

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OJM000 HR: 3
ORGANOMETALS

PROP: Compounds containing carbon and a metal. Ordinarily, metallic carbonates (calcium carbonate, etc.) are excluded and also metallic salts of common organic acids. Examples of organic metal compounds are Grignard compounds, such as methyl magnesium iodide (CH_3MgI), and metallic alkyls, such as butyllithium ($\text{C}_4\text{H}_9\text{Li}$), tetraethyllead, triethyl aluminum, tetrabutyl titanate, sodium methyllate, copper phthalocyanine, and metallocenes. Also, there are many organotin compounds, such as monoalkyltins, monoaryltins, dialkyltins, diaryltins, trialkyltins, triaryltins, tetraalkyltins, and tetraaryltins.

SAFETY PROFILE: Many are highly toxic or flammable. As an example, organotin compounds are poisons by ingestion and intravenous routes. Irritating to skin, eyes, and mucous membranes. Can damage lung tissue and the liver. Trialkyltins are most toxic as a group. Next are the dialkyltins and the monoalkyltins. In each major organotin group the ethyltin derivative is the most toxic, followed by the methyltins. This group of compounds is constantly growing in importance, but there is relatively little toxicity information on most of them. Alkyl compounds of lead, tin, mercury, and aluminum are known to be highly toxic. Less is known about other organometals, but for the most part they are highly reactive chemically and therefore dangerous, if only on direct contact. It is prudent to exercise great caution in handling organometals, particularly the alkyl forms. Many organolithium compounds are explosive. See also individual compounds.

OJM400 CAS: 9016-01-7 HR: 3
ORGOTEINS

PROP: Water-soluble protein congeners isolated from red blood cells, liver, and other tissues. Molecular weight is about 34,000.

SYNS: ONTOSEIN \square ORGOTEIN \square ORMETEIN \square PALOSEIN

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:60 mg/kg TXAPA9 26,184,73
 ivn-rbt LDLo:10 mg/kg TXAPA9 26,184,73

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. An experimental teratogen.

OJO000 CAS: 8007-11-2 HR: 3
ORIGANUM OIL

PROP: Main constituent is carvacrol. From steam distillation of the herb *Thymus capitatus* Hoffm. et Link (FCTXAV 12,807,74). Yellow to dark red-brown liquid; pungent spicy odor of thyme oil. D: 0.935–0.960, refr index: 1.502 @ 20°. Sol in fixed oil, propylene glycol, mineral oil; insol in glycerin.

SYN: OIL OF ORIGANUM

TOXICITY DATA with REFERENCE:

skn-mus 100%:SEV FCTXAV 12,945,74
 skn-rbt 500 mg/24H MOD FCTXAV 12,945,74
 orl-rat LD50:1850 mg/kg FCTXAV 12,945,74
 skn-rbt LD50:320 mg/kg FCTXAV 12,945,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by skin contact. Moderately toxic by ingestion. A severe skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also CARVACROL.

OJO100 **HR: D**

ORMETOPRIM

PROP: White tasteless odorless powder.

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OJS000 **CAS: 16773-42-5** **HR: 3**

ORNIDAZOLE

mf: $C_7H_{10}ClN_5O_3$ mw: 219.65

PROP: Crystals from toluene. Mp: 78°.

SYNS: α -(CHLORMETHYL)-2-METHYL-5-NITRO-IMIDAZOL-1-AETHANOL (GERMAN) \square 1-(3-CHLORO-2-HYDROXYPROPYL)-2-METHYL-5-NITROIMIDAZOLE \square α -(CHLOROMETHYL)-2-METHYL-5-NITRO-1H-IMIDAZOLE-1-ETHANOL \square RO 7-0207 \square TIBERAL

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate MUREAV 58,1,78
 mmo-esc 20 μ mol/L MUREAV 48,155,77
 orl-rat LD50:1780 mg/kg ARZNAD 28,612,78
 orl-mus LD50:1139 mg/kg ARZNAD 28,612,78
 ipr-mus LD50:1120 mg/kg ARZNAD 28,612,78
 ivn-mus LD50:375 mg/kg ARZNAD 28,612,78

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

OJS100 **CAS: 70-26-8** **HR: D**

ORNITHINE, I-

mf: $C_5H_{12}N_2O_2$ mw: 132.19

SYNS: (S)-2,5-DIAMINOPENTANOIC ACID \square (S)- α , Δ -DIAMINOVALERIC ACID \square L-NORVALINE, 5-AMINO- \square (+)-ORNITHINE \square ORNITHINE \square L-(-)-ORNITHINE \square (S)-ORNITHINE \square (+)-S-ORNITHINE \square PENTANOIC ACID, 2,5-DIAMINO-, (S)-

TOXICITY DATA with REFERENCE:

sce-hmn-lym 10 mg/L MUREAV 372,75,1996

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x .

OJU000 **CAS: 3184-13-2** **HR: 1**

I-ORNITHINE HYDROCHLORIDE

mf: $C_5H_{12}N_2O_2 \cdot ClH$ mw: 168.65

PROP: Decomp @ 233°. Sol in water.

SYN: L-ORNITHINE MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 g/kg JPMSAE 62,49,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

OJV500 **CAS: 65-86-1** **HR: 2**

OROTIC ACID

mf: $C_5H_4N_2O_4$ mw: 156.11

PROP: Crystals from water. Mp: 322–325°.

SYNS: ANIMAL GALACTOSE FACTOR \square 6-CARBOXYURACIL

\square ORIDIN \square OROPUR \square OROTONIN \square ORO TSAURE

(GERMAN) \square OROTURIC \square OROTYL \square 6-

URACILCARBOXYLIC ACID \square WHEY FACTOR

TOXICITY DATA with REFERENCE:

pic-esc 1 g/L ZAPOAK 12,583,72
 dnd-rat-rl 21 g/kg/5W-C CRNGDP 6,765,85
 orl-mus LD50:2 g/kg NIIRDN 6,165,82
 ipr-mus LD50:841 mg/kg NIIRDN 6,165,82
 ivn-mus LD50:770 mg/kg NIIRDN 6,165,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

OJV525 **HR: 2**

OROTIC ACID mixed with CHOLESTEROL and CHOLIC ACID (2:2:1)

SYNS: CHOLESTEROL mixed with OROTIC ACID mixed with CHOLIC ACID (2:2:1) \square CHOLIC ACID mixed with CHOLESTEROL mixed with OROTIC ACID (1:2:2)

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

OJV600 **CAS: 25104-37-4** **HR: 2**

5-(3 OR 6-OXO-1-CYCLOHEXEN-1-YL)-5-ETHYLBARBITURIC ACID

SYNS: BAKELITE EHBC \square BAKELITE EHBM \square BARBITURIC ACID, 5-ETHYL-5-(3 OR 6-OXO-1-CYCLOHEXEN-1-YL)- \square EBDC \square EDBC \square EHBC \square EHB-M \square ETHENE, ETHOXY-, POLYMERS \square ETHER, ETHYL VINYL, POLYMERS \square 5-ETHYL-5-(3 OR 6-OXO-1-CYCLOHEXEN-1-YL)BARBITURIC ACID \square ETHYL VINYL ETHER HOMOPOLYMER \square ETHYL VINYL ETHER POLYMER \square LUTHONAL A 20 \square LUTONAL A 25 \square LUTONAL A 50 \square POLY(ETHYL VINYL ETHER) \square POLY(VINYL ETHYL ETHER) \square VINYL ETHYL ETHER HOMOPOLYMER \square VINYL ETHYL ETHER POLYMER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2590 mg/kg PHBUA9 2,201,1954

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.

OJW000 **CAS: 341-69-5** **HR: 3**

ORPHENADRINE HYDROCHLORIDE

mf: $C_{18}H_{23}NO \cdot ClH$ mw: 305.88

PROP: Crystals. Mp: 156–157°. Sol in water, alc, chloroform; sltly sol in acetone, benzene; almost insol in ether.

SYNS: BF 5930 □ BG 5930 □ BROCADISIPAL □ BROCASIPAL □ BS 5930 □ 2-DIMETHYLAMINOETHYL-2-METHYLBENZHYDRYL ETHERHYDROCHLORIDE □ N,N-DIMETHYL-2-(o-METHYL- α -PHENYLBENZYOXY)ETHYLAMINE HYDROCHLORIDE □ DISIPAL HYDROCHLORIDE □ MEPHENAMINE HYDROCHLORIDE □ MEPHENAMIN HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-wmn TDL₀:150 mg/kg ATXKA8 23,264,68
orl-man TDL₀:71 mg/kg:EYE,PSY,CPR HUTODJ 4,331,85

orl-cld LDLo:33 mg/kg:CNS ATXKA8 25,76,69

orl-rat LD50:255 mg/kg GNRIDX 2,311,68

ipr-rat LD50:93 mg/kg AIPTAK 177,28,69

scu-rat LD50:230 mg/kg ARZNAD 5,72,55

ivn-rat LD50:27,500 μ g/kg ARZNAD 5,72,55

orl-mus LD50:100 mg/kg ARZNAD 5,72,55

ipr-mus LD50:65 mg/kg 27ZQAG -,373,72

scu-mus LD50:88 mg/kg 27ZQAG -,373,72

scu-gpg LD50:74 mg/kg AIPTAK 177,28,69

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Human systemic effects: mydriasis (pupillary dilation), hallucinations, distorted perceptions, pulse rate increase, intracranial pressure increase. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl.

OJW100

HR: D

ORRIS ROOT OIL

PROP: From steam distillation of peeled, dried, aged rhizomes of *Iris pallida* L. (Fam. *Iridaceae*). Light yellow to brown solid at room temp. Mp: 38–50°. Sol in fixed oils, mineral oil, propylene glycol; insol in glycerin.

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.

OJW200

CAS: 289-80-5

HR: 2

ORTHODIAZINE

mf: C₄H₄N₂ mw: 80.10

PROP: Colorless yellow liquid. Mp: –8, bp: 208°.

SYNS: 1,2-DIAZABENZENE □ 1,2-DIAZINE □ PYRIDAZINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2650 mg/kg PBPHAW 1,542,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.

OJY000

CAS: 5588-10-3

HR: 3

ORTHOXINE HYDROCHLORIDE

mf: C₁₁H₁₇NO•ClH mw: 215.75

PROP: Bitter crystals. Mp: 129–131°. Sol in H₂O, EtOH, and CHCl₃.

SYNS: METHOXIPHENADRIN HYDROCHLORIDE □ o-METHOXY-N- α -DIMETHYLPHENETHYLAMINEHYDROCHLORIDE □ METHOXYPHENAMINE HYDROCHLORIDE □ METHOXYPHENAMINIUM CHLORIDE □ β -(o-METHOXY-PHENYL)ISO-P-TROPYLMETHYLAMINEHYDROCHLORIDE □

α -(2-METHOXYPHENYL)- β -METHYLAMINOPROPANEHYDROCHLORIDE □ ORTODRINEX HYDROCHLORIDE □ PROASMA HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:630 mg/kg NIIRDN 6,837,82

scu-rat LD50:573 mg/kg NIIRDN 6,837,82

ivn-rat LD50:50 mg/kg NIIRDN 6,837,82

orl-mus LD50:605 mg/kg NIIRDN 6,837,82

ipr-mus LD50:90 mg/kg 27ZQAG -,348,72

scu-mus LD50:380 mg/kg NIIRDN 6,837,82

orl-rbt LD50:652 mg/kg NIIRDN 6,837,82

scu-rbt LD50:269 mg/kg NIIRDN 6,837,82

ivn-rbt LD50:30 mg/kg NIIRDN 6,837,82

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and subcutaneous routes. Moderately toxic by ingestion. An FDA over-the-counter drug used as a bronchodilator. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

OJY100

CAS: 19044-88-3

HR: 1

ORYZALIN

mf: C₁₂H₁₈N₄O₆S mw: 346.36

SYNS: 3,5-DINITRO-N⁴,N⁴-DIPROPYLSULFANILAMIDE □ DIRIMAL □ EL-119 □ ORYZALIN □ RYCELAN □ RYCELON □ RYZELAN □ SURFLAN

TOXICITY DATA with REFERENCE:

mno-sat 300 μ g/plate KHFKDF 8,551,80

orl-rat LD50:10 g/kg 85AREA 2,44,77

orl-cat LD50:1 g/kg PEMNDP 9,632,91

skn-rbt LD50:>2 g/kg PEMNDP 9,632,91

SAFETY PROFILE: Low toxicity by ingestion and skin contact. Mutation data reported. When heated to decomposition emits toxic fumes of NO_x, SO_x.

OJY200

CAS: 11042-64-1

HR: 3

γ -ORYZANOL

mf: C₄₀H₅₈O₄ mw: 602.98

SYNS: GAMMARIZA □ HI-Z □ O-LVR □ γ -ORIZANOL □ OZ □ γ -OZ

TOXICITY DATA with REFERENCE:

orl-rat LD50:>25 g/kg DRUGAY -,247,90

skn-rat LD50:100 mg/kg YACHDS 7,1295,79

orl-mus LD50:>25 g/kg DRUGAY -,247,90

ipr-mus LD50:>7 g/kg DRUGAY 6,195,82

ivn-mus LD50:811 mg/kg DRUGAY -,247,90

skn-gpg LD50:100 mg/kg YACHDS 7,1295,79

SAFETY PROFILE: A poison by skin contact. Moderately toxic by intravenous route. Low toxicity by ingestion. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.

OKE000

CAS: 7440-04-2

HR: 3

OSMIUM

af: Os aw: 190.20

PROP: A lustrous, bluish-white, extremely hard and dense, brittle metal. Unaffected by air, H₂O, acids. Dissolves in molten alkalis. When heated oxidizes to OsO₄ (toxic). Metal smells because of vol OsO₄. D: 22.57.

SYN: METALLIC OSMIUM

TOXICITY DATA with REFERENCE:

ivn-dog LDLo:17 mg/kg SMSJAR 26,131,1826

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. An irritant to eyes and mucous membranes. The principal effects of exposure are ocular disturbances and an asthmatic condition caused by inhalation. Furthermore, it causes dermatitis and ulceration of the skin upon contact. When osmium is heated, it gives off a pungent, poisonous fume of osmium tetroxide. One case of osmium poisoning reported in the literature resulted from the inhalation of osmium, which gave rise to a capillary bronchitis and dermatitis. The tetroxide vapor has a pronounced and nauseating odor that should be taken as a warning of a possibly toxic concentration in the atmosphere, and personnel should immediately move to an area of fresh air. The metal itself is not highly toxic. Flammable in the form of dust when exposed to heat or flame. Slight explosion hazard in the form of dust when exposed to heat or flame. Violent reaction or ignition with chlorine trichloride or oxygen difluoride. Ignites when heated to 100°C with fluorine. Incandescent reaction in phosphorus vapor. When heated to decomposition it emits toxic fumes of OsO₄. See also OSMIUM TETROXIDE.

OKG000 CAS: 13768-38-2 HR: 3
OSMIUM HEXAFLUORIDE

mf: F₆Os mw: 304.20

PROP: Pale to bright yellow, volatile solid. Mp: 33.9°, bp: 47.5°.

SAFETY PROFILE: Highly poisonous. A very corrosive eye, skin, and mucous membrane irritant. Ignites paraffin oil and other organic materials. Explosive reaction with silicon. When heated to decomposition it emits highly toxic fumes of OsO₄ and F₂. See also OSMIUM and FLUORIDES.

OKI000 CAS: 12036-02-1 HR: 3
OSMIUM(IV) OXIDE

mf: O₂Os mw: 80.06

PROP: Black or yellow brown crystalline solid. D: 11400 kg/m³

SAFETY PROFILE: Brown or black crystals. Amorphous form can explode spontaneously in air. When heated to decomposition it emits toxic fumes of Os. See also OSMIUM and OSMIUM TETROXIDE.

OKK000 CAS: 20816-12-0 HR: 3
OSMIUM TETROXIDE

DOT: UN 2471

mf: O₄Os mw: 254.20

PROP: (A) Yellow, monoclinic, colorless crystals; (B) yellow mass; pungent, chlorine-like odor. Mp (A): 39.5°, mp: (B): 41°, bp: 130° (subl), d: 4.906 @ 22°, vap press (A): 10 mm @ 26.0°, vap press (B): 10 mm @ 31.3°. Sol in CCl₄, C₆H₆, EtOH, Et₂O; spar sol in dil H₂SO₄ and H₂O. IDLH 1 mg/m³.

SYNS: OSMIC ACID □ OSMIUM(VIII) OXIDE □ RCRA WASTE NUMBER P087

TOXICITY DATA with REFERENCE:

mr-c-bcs 5 mmol/L MUREAV 77,109,80

dns-ham:emb 200 µmol/L MUREAV 131,173,84
 ihl-man TCLO:133 µg/m³:EYE,PUL BJIMAG 3,183,46
 ihl-rat LCLo:40 ppm/4H SCCUR* -,8,61
 ipr-rat LD50:14,100 µg/kg SCCUR* -,8,61
 orl-mus LD50:162 mg/kg SCCUR* -,8,61
 ihl-mus LCLo:40 ppm/4H SCCUR* -,8,61
 ipr-mus LD50:13,500 µg/kg SCCUR* -,8,61
 ihl-rbt LCLo:1316 mg/m³/30M JIDHAN 15,136,33

CONSENSUS REPORTS: Community Right-To-Know List. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.0002 ppm; STEL 0.0006 ppm (Os)

ACGIH TLV: TWA 0.0002 ppm; STEL 0.0006 ppm (Os)

DFG MAK: 0.0002 ppm (0.002 mg/m³)

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion, inhalation, and intraperitoneal routes. Human systemic effects by inhalation: lachrymation and other eye effects and structural or functional changes in trachea or bronchi. Experimental reproductive effects. Mutation data reported. Explodes on contact with 1-methylimidazole. Catalytic decomposition of hydrogen peroxide can be hazardous. See also OSMIUM.

OKK100 CAS: 532-77-4 HR: D
OSMOCAINE

mf: C₁₆H₂₃NO₂ mw: 261.40

SYNS: CYCLAIN □ HEXYLCAINE □ 2-PROPANOL, 1-(CYCLOHEXYLAMINO)-, BENZOATE (ESTER)

TOXICITY DATA with REFERENCE:

par-man LDLo:11 µL/kg:BAH,PUL JFSCAS 5,501,1960

SAFETY PROFILE: Human systemic effects. When heated to decomposition it emits toxic vapors of NO_x.

OKK500 CAS: 12798-63-9 HR: 3
OS-40 (PHOSPHATE ESTER)

SYN: WF-104

TOXICITY DATA with REFERENCE:

orl-rat LD50:2520 mg/kg MRLR** No. 256,54

ihl-rat LC50:3900 mg/m³ XAWPA2 CWL 2-10,58

ivn-rat LD50:130 mg/kg MRLR** No. 256,54

ivn-rbt LD50:190 mg/kg MRLR** No. 256,54

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and inhalation. When heated to decomposition it emits toxic fumes of PO_x. See also ESTERS.

OKK600 CAS: 140695-21-2 HR: 3
OSUTIDINE

mf: C₁₉H₂₈N₄O₅S₂ mw: 456.63

SYNS: METHANESULFONAMIDE, N-((2-HYDROXY-2-(4-HYDROXYPHENYL)ETHYL)AMINO)((2-((5-((METHYLAMINO)METHYL)-2-FURANYL)METHYL)THIO)ETHYL)AMINO)-METHYLENE)-, (E)- □ T 593

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg OYYAA2 55,139,1998

ivn-rat LD50:83,900 µg/kg OYYAA2 55,139,1998

orl-dog LD50:>5 g/kg OYYAA2 55,139,1998

ivn-dog LDLo:100 mg/kg OYYAA2 55,139,1998

SAFETY PROFILE: A poison by intravenous route. Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

OKO200 CAS: 61840-39-9 HR: 2**OTAMOL****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV 28ZPAK -,288,72

eye-rbt 100 mg/24H MOD 28ZPAK -,288,72

orl-rat LD50:9110 mg/kg 28ZPAK -,288,72

SAFETY PROFILE: Mildly toxic by ingestion. An eye and severe skin irritant.**OKO400 CAS: 26095-59-0 HR: 3****OTILONIUM BROMIDE**mf: C₂₉H₄₃N₂O₄•Br mw: 563.65**PROP:** A solid. Mp: 166–168°.**SYN:** OTTILONIO BROMURO (ITALIAN)**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3 g/kg FRPSAX 39,3,84

ipr-mus LD50:85 mg/kg FRPSAX 39,3,84

scu-mus LD50:1 g/kg FRPSAX 39,3,84

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of Br and NO_x.**OKO500 CAS: 1218-35-5 HR: 3****OTRIVINE HYDROCHLORIDE**mf: C₁₆H₂₄N₂•ClH mw: 280.88**PROP:** Crystals. Mp: 327–329°. Sol in H₂O.**SYNS:** 2-(4-tert-BUTYL-2,6-DIMETHYLBENZYL)-2-IMIDAZOLINE HYDROCHLORIDE □ 2-(4-tert-BUTYL-2,6-DIMETHYLBENZYL)-2-IMIDAZOLINE MONOHYDROCHLORIDE □ OTRIVIN HYDROCHLORIDE □ XYLOMETAZOLINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:230 mg/kg KSRNAM 5,555,71

ipr-rat LD50:43 mg/kg KSRNAM 5,555,71

scu-rat LD50:90 mg/kg KSRNAM 5,555,71

orl-mus LD50:75 mg/kg KSRNAM 5,555,71

scu-mus LD50:53 mg/kg KSRNAM 5,555,71

ivn-mus LD50:12,500 µg/kg KSRNAM 5,555,71

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.**OKO600 CAS: 106602-80-6 HR: D****OTTO FUEL II****SYN:** OFII**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.**OKS000 CAS: 630-60-4 HR: 3****OUABAIN**mf: C₂₉H₄₄O₁₂ mw: 584.73**PROP:** Crystals from H₂O. Mp: 190°. A natural plant product (JPETAB 49,561,33).**SYNS:** ACOCANTHERIN □ ASTROBAIN □ GRATIBAIN □ GRATUS STROPHANTHIN □ G-STROPHANTHIN □ OUABAGENIN-1-RHAMNOSIDE (GERMAN) □ OUABAGENIN-1-RHAMNOSIDE □ OUABAIN □ PUROSTROPHAN □ STROPHANTHIN G □ STROPHOPERM**TOXICITY DATA with REFERENCE:**

dni-hmn:lng 10 nmol/L CRNGDP 9,2245,88

msc-mus:lyms 513 µmol/L MUTAEX 3,193,88

scu-rat LDLo:50 mg/kg ARZNAD 23,1125,73

ivn-rat LD50:14 mg/kg TXAPA9 20,44,71

ipr-mus LD50:11 mg/kg AIPTAK 155,165,65

scu-mus LDLo:8 mg/kg ARZNAD 23,1125,73

ivn-mus LD50:2200 µg/kg PSEBAA 118,756,65

orl-dog LDLo:1500 µg/kg HBAMAK 4,1289,35

scu-dog LDLo:100 µg/kg ARZNAD 23,1125,73

ivn-dog LDLo:54 µg/kg JPETAB 179,447,71

ivn-mky LDLo:102 µg/kg ARZNAD 13,412,63

ipr-cat LD50:100 µg/kg AIPTAK 155,165,65

idu-cat LDLo:3614 mg/kg ARZNAD 19,687,69

ims-rbt LDLo:1 mg/kg COREAF 149,306,09

ims-gpg LDLo:220 µg/kg JPETAB 52,1,34

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion, intramuscular, intraperitoneal, intravenous, subcutaneous, and parenteral routes. Moderately toxic by intraduodenal route. A cardiac stimulant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**OKS100 CAS: 31323-50-9 HR: 3****OUDENONE**mf: C₁₂H₁₆O₃ mw: 208.28**PROP:** A solid. Mp: 77–78°.**SYN:** (S)-2-(DIHYDRO-5-PROPYL-2(3H)-FURYLIDENE)-1,3-CYCLOPENTANEDIONE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1100 mg/kg 85ERAY 3,2018,78

ipr-mus LD50:163 mg/kg 85ERAY 3,2018,78

ivn-mus LD50:138 mg/kg 85ERAY 3,2018,78

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**OKS150 CAS: 34200-96-9 HR: 2****OUDENONE SODIUM SALT**mf: C₁₂H₁₈O₄•Na mw: 249.29**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2000 mg/kg 85ERAY 3,2018,78

ipr-mus LD50:1850 mg/kg 85ERAY 3,2018,78

ivn-mus LD50:1000 mg/kg 85ERAY 3,2018,78

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal and intravenous routes. When heated to decomposition it emits toxic fumes of Na₂O. See also OUDENONE.**OKS170 CAS: 52692-74-7 HR: 3**
3-OXA-9-AZONIATRICYCLO(3.3.1.0^{2,4})NONANE, 9-BUTYL-7-(3-HYDROXY-1-OXO-2-PHENYLPROPOXY)-9-METHYL-, (7(S)-(1-α,2-β,4-β,5-α,7-β))-, SALT WITH 1,2,3,6-TETRAHYDRO-1,3-DIMETHYL-2,6-DIOXO-7H-PURINE-7-PROPANESULFONATE, HYDRATE (2:2:5)mf: C₁₀H₁₃N₄O₅S•C₂₁H₃₀NO₄•5/2H₂O mw: 706.54

SYN: THEOPHYLLINYL-7 PROPANE-3 SULFONATE DE N-BUTYL-HYOSCIINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2 g/kg FRXXBL #2175527

ivn-mus LD50:40 mg/kg FRXXBL #2175527

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

**OKS200 CAS: 74782-23-3 HR: 3
OXABETRINIL**

mf: C₁₂H₁₂N₂O₃ mw: 232.26

PROP: Brown powder. Odorless. Mp: 70°, d: 1.33 g/cm³. Sol in water.

SYNS: BENZENEACETONITRILE, α-((1,3-DIOXOLAN-2-YLMETHOXY)IMINO)- □ CGA 92194 □ CONCEP II □ α-((1,3-DIOXOLAN-2-YLMETHOXY)IMINO)BENZENEACETONITRILE □ OXEBETRINIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg 85AREA 3,122,86

ihl-rat LC50:150 mg/m³/4H PEMNDP 9,406,91

skn-rat LD50:>5 g/kg PEMNDP 9,406,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by inhalation. Low toxicity by ingestion and skin contact. When heated to decomposition it emits toxic vapors of NO_x.

**OKS250 CAS: 1488-25-1 HR: 2
7-OXABICYCLO(4.1.0)HEPTA-2,4-DIENE**

mf: C₆H₆O mw: 94.12

SYNS: BENZENE OXIDE □ DIHYDROEPOXYBENZENE

TOXICITY DATA with REFERENCE:

mic-sat 20 mmol/L PAACA3 21,107,80

ipr-mus TDLo:70 mg/kg/15D-I:CAR CRNGDP 11,1473,90

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

**OKS500 CAS: 8015-38-1 HR: 3
7-OXABICYCLO(2.2.1)HEPTANE-2,3-DICARBOXYLIC ACID, DISODIUM SALT, mixture with 1-METHYLETHYL PHENYLCARBAMATE**

mf: C₁₀H₁₃NO₂•C₈H₁₀O₅•2Na mw: 411.40

SYN: MURBETOL

TOXICITY DATA with REFERENCE:

eye-rbt 25% NSE GISAAA 31(8),33,66

orl-rat LD50:250 mg/kg GISAAA 31(8),33,66

orl-mus LD50:50 mg/kg GISAAA 31(8),33,66

orl-cat LD50:125 mg/kg GISAAA 31(8),33,66

orl-rbt LD50:200 mg/kg GISAAA 31(8),33,66

orl-gpg LD50:250 mg/kg GISAAA 31(8),33,66

SAFETY PROFILE: A poison by ingestion. An eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

**OKS600 CAS: 121153-49-9 HR: 2
(+)-(1S,2R,3S,6R)-7-OXABICYCLO(4.1.0)HEPT-4-ENE-2,3-DIOL**

mf: C₆H₈O₃ mw: 128.14

SYNS: (+)-1-α,2-β-DIHYDROXY-3-β,4-β-EPOXY-1,2,3,4-TETRAHYDROBENZENE □ 7-OXABICYCLO(4.1.0)HEPT-4-ENE-2,3-DIOL, (1S-(1-α,2-β,3-α,6-α))-

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:70 mg/kg/15D-I:CAR CRNGDP 11,1473,90

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits acrid smoke and irritating vapors.

**OKS620 CAS: 121153-48-8 HR: 2
(-)-(1R,2S,3R,6S)-7-OXABICYCLO(4.1.0)HEPT-4-ENE-2,3-DIOL**

SYNS: (-)-1-β,2-α-DIHYDROXY-3-α,4-α-EPOXY-1,2,3,4-TETRAHYDROBENZENE □ 7-OXABICYCLO(4.1.0)HEPT-4-ENE-2,3-DIOL, (1R-(1-α,2-β,3-α,6-α))-

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits acrid smoke and irritating vapors.

**OKS630 CAS: 95840-06-5 HR: 2
7-OXABICYCLO(4.1.0)HEPT-4-ENE-2,3-DIOL, (1-α,2-β,3-α,6-α)-(+)-**

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits acrid smoke and irritating vapors.

**OKU000 CAS: 109-29-5 HR: 1
OXACYCLOHEPTADECAN-2-ONE**

mf: C₁₆H₃₀O₂ mw: 254.46

PROP: Crystals from EtOH with musky odor. Mp: 33–34°, bp: 188° @ 15 mm.

SYNS: CYCLOHEXADECANOLIDE □ DIHYDROAMBRETTOLIDE □ 1,16-HEXADECANOLACTONE □ HEXADECANOLIDE □ 16-HYDROXYHEXADECANOIC ACID LACTONE □ JUNIPERIC ACID LACTONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 13,452,75

orl-rat LD50:>5 g/kg FCTXAV 13,452,75

skn-rbt LD50:>5 g/kg FCTXAV 13,452,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

**OKU100 CAS: 123-69-3 HR: 3
OXACYCLOHEPTADEC-8-EN-2-ONE, (Z)-**

mf: C₁₆H₂₈O₂ mw: 252.44

SYNS: AMBRETTOLID □ AMBRETTOLIDE □ MUSK AMBRETTE □ MUSK AMBRETTE (NATURAL) □ MUSK NATURAL □ NATURAL MUSK AMBRETTE

TOXICITY DATA with REFERENCE:

orl-rat LD50:339 mg/kg YAKUD5 22,1513,80

orl-mus LDLo:1600 mg/kg AEECTCV 14,111,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

OKU200 CAS: 60589-06-2 HR: 3
Δ²-1,3,4-OXADIAZOLIN-5-ONE, 2-METHOXY-4-(o-METHOXYPHENYL)-

mf: C₁₀H₁₀N₂O₄ mw: 222.22

SYNS: METHOXY-2(METHOXY-2-PHENYL)-4 OXADIAZOLINE-1,3,4 ONE-5 □ 2-METHOXY-4-(o-METHOXYPHENYL)-Δ²-1,3,4-OXADIAZOLIN-5-ONE □ 32861 R.P.

TOXICITY DATA with REFERENCE:

orl-rat LD50:175 mg/kg IYKEDH 19,735,88
 skn-rat LD50:>2500 mg/kg IYKEDH 19,735,88
 scu-rat LD50:240 mg/kg IYKEDH 19,735,88
 orl-mus LD50:75 mg/kg PHPHA6 29,199,80
 skn-mus LD50:>5 g/kg IYKEDH 19,735,88
 scu-mus LD50:250 mg/kg IYKEDH 19,735,88

SAFETY PROFILE: A poison by ingestion and subcutaneous routes. Moderately toxic by skin contact. When heated to decomposition it emits toxic vapors of NO_x.

OKU300 CAS: 3663-42-1 HR: 2
6-OXA-5,7-DISILAUNDECANE-1,11-DIAMINE, 5,5,7,7-TETRAMETHYL-

mf: C₁₂H₃₂NOSi₂ mw: 262.63

SYNS: BIS(AMINOBTYL)TETRAMETHYLDISILOXANE □ 1,3-BIS(Δ-AMINOBTYL)TETRAMETHYLDISILOXANE □ 1,3-BIS(4-AMINOBTYL)TETRAMETHYLDISILOXANE □ 1,3-BIS(4-AMINOBTYL)-1,1,3,3-TETRAMETHYLDISILOXANE □ 1-BUTANAMINE, 4,4'-(1,1,3,3-TETRAMETHYL-1,3-DISILOXANEDIYL)BIS- □ DISILOXANE, BIS(AMINOBTYL)TETRAMETHYL- □ 4,4'-(1,1,3,3-TETRAMETHYL-1,3-DISILOXANEDIYL)BIS-1-BUTANAMINE

TOXICITY DATA with REFERENCE:

eye-rbt 100 μL/24H SEV NTIS** OTS0534570

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

OKW000 CAS: 7450-97-7 HR: 3
OXAFLOMAZINE DISUCCINATE

mf: C₂₆H₃₂F₃N₃O₂S•C₈H₁₂O₈ mw: 743.87

PROP: Crystals from acetonitrile. Mp: 136–138°.

SYNS: OXAFLOMAZINE □ SD 270-31

TOXICITY DATA with REFERENCE:

orl-mus LD50:919 mg/kg THERAP 26,481,71
 ipr-mus LD50:175 mg/kg THERAP 26,481,71
 ivn-mus LD50:94 mg/kg THERAP 26,481,71

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of F₂, NO_x, and SO_x.

OKW100 CAS: 3391-83-1 HR: 1
11-OXAHEXADECANOLIDE

mf: C₁₅H₂₈O₃ mw: 256.43

PROP: Musk fragrance.

SYNS: 1,7-DIOXACYCLOHEPTADECAN-17-ONE □ 16-HYDROXY-11-OXAHEXADECANOIC ACID, ω-LACTONE □ MUSK R 1

TOXICITY DATA with REFERENCE:

skn-gpg 100%/24H MLD FCTOD7 20,787,82
 orl-rat LD50:>5 g/kg FCTOD7 20,787,82
 skn-gpg LD50:>5 g/kg FCTOD7 20,787,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

OKW110 CAS: 6707-60-4 HR: 2
12-OXAHEXADECANOLIDE

mf: C₁₅H₂₈O₃ mw: 256.43

PROP: Liquid with characterisic odor. Flash pt: 151° C. D: 0.981–0.987, bp: 170°.

SYNS: CERVOLIDE □ 1,6-DIOXACYCLOHEPTADECAN-17-ONE □ HIBISCOLIDE □ 16-HYDROXY-12-OXAHEXADECANOIC ACID, ω-LACTONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTOD7 20,789,82
 orl-rat LD50:>5 g/kg FCTOD7 20,789,82
 skn-rbt LD50:>5 g/kg FCTOD7 20,789,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. A combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

OKY000 HR: 3
OXALATES

PROP: Salts of oxalic acid.

SAFETY PROFILE: Poisons by ingestion and inhalation. Powerful irritants. Oxalates are corrosive to tissue and produce local irritation. When ingested they have a caustic effect on the mouth, esophagus, and stomach. The soluble oxalates are readily absorbed from the gastrointestinal tract and can cause severe damage to the kidneys. Oxalates are common components of poisonous plants. When heated to decomposition they emit toxic and irritating fumes. See also OXALIC ACID.

OKY100 CAS: 61825-94-3 HR: 3
OXALATOPLATINUM

mf: C₈H₁₄N₂O₄Pt mw: 397.33

PROP: IDLH 4 mg/m³ (as Pt).

SYNS: 1-OHP □ DACPLAT □ OXALATO(1R,2R-CYCLOHEXANEDIAMINE)PLATINUM(II) □ OXALATOPLATIN □ OXALIPLATIN □ OXALIPLATINO □ PLATINUM, (1,2-CYCLOHEXANEDIAMINE-N,N')(ETHANEDIOATO(2-)-O,O'), (SP-4-2-(1R-trans))- □ RP 54780 □ trans-1-DIAMINOCYCLOHEXANE OXALATOPLATINUM

TOXICITY DATA with REFERENCE:

ipr-rat LD50:14,300 μg/kg DRFUD4 14,529,1989
 ipr-mus LD50:19,800 μg/kg DRFUD4 14,529,1989

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Pt.

OKY300 CAS: 96827-85-9 HR: 1
OXAL (HETEROCYCLE)

SYN: OKSAL

TOXICITY DATA with REFERENCE:

orl-mus LD50:4300 mg/kg GTPZAB 32(9),50,88

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

**OLA000 CAS: 144-62-7 HR: 3
OXALIC ACID**

mf: $C_2H_2O_4$ mw: 90.04

PROP: Orthorhombic colorless crystals from water. Mp: 101.5° (anhyd) 189° , d: 1.65 @ $18.5^\circ/4^\circ$. Very sol in H_2O ; mod sol in EtOH; spar sol in Et_2O . IDLH 500 mg/m³.

SYNS: ACIDE OXALIQUE (FRENCH) □ ACIDO OSSALICO (ITALIAN) □ ETHANEDIOIC ACID □ ETHANEDIONIC ACID □ KYSELINA STAVELOVA (CZECH) □ NCI-C55209 □ OXAALZUUR (DUTCH) □ OXALSAEURE (GERMAN)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -311,86
eye-rbt 250 µg/24H SEV 85JCAE -311,86
eye-rbt 100 mg/4S rns SEV FCTOD7 20,573,82
ipr-mus LD50:270 mg/kg TXCYAC 62,203,90
orl-rat LD50:7500 mg/kg TXAPA9 42,417,77
scu-cat LDLo:112 mg/kg HBAMAK 4,1377,35
scu-frg LDLo:757 mg/kg HBAMAK 4,1377,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1 mg/m³; STEL 2 mg/m³

ACGIH TLV: TWA 1 mg/m³; STEL 2 mg/m³

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. A skin and severe eye irritant. Acute oxalic poisoning results from ingestion of a solution of the acid. There is marked corrosion of the mouth, esophagus, and stomach, with symptoms of vomiting, burning abdominal pain, collapse, and sometimes convulsions. Death may follow quickly. The systemic effects are attributed to the removal by the oxalic acid of the calcium in the blood. The renal tubules become obstructed by the insoluble calcium oxalate, and there is profound kidney disturbance. The chief effects of inhalation of the dusts or vapor are severe irritation of the eyes and upper respiratory tract, gastrointestinal disturbances, albuminuria, gradual loss of weight, increasing weakness and nervous system complaints, ulceration of the mucous membranes of the nose and throat, epistaxis, headache, irritation, and nervousness. Oxalic acid has a caustic action on the skin and may cause dermatitis; a case of early gangrene of the fingers resembling that caused by phenol has been described. More severe cases may show albuminuria, chronic cough, vomiting, pain in the back, and gradual emaciation and weakness. The skin lesions are characterized by cracking and fissuring of the skin and the development of slow-healing ulcers. The skin may be bluish in color, and the nails brittle and yellow. Violent reaction with furfuryl alcohol, Ag, NaClO₃, NaOCl. When heated to decomposition it emits acrid smoke and irritating fumes. See also OXALATES.

**OLE000 CAS: 127-95-7 HR: 2
OXALIC ACID, MONOPOTASSIUM SALT**

mf: $C_2HO_4 \cdot K$ mw:128.13

PROP: Monoclinic, colorless crystals. Mp: decomp, d: 2.0.

SYNS: KLEESALZ (GERMAN) □ POTASSIUM HYDROGEN OXALATE □ POTASSIUM SALT of SORREL □ SORREL SALT

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:100 mg/kg:CNS,CVS,KID MMWOAU 79,1481,32
orl-wmn TDLo:400 mg/kg:CNS,CVS,GIT MMWOAU 79,1481,32
ivn-man TDLo:1071 mg/kg:CNS,GIT MLDCAS 4,178,71
orl-wmn LDLo:660 mg/kg MMWOAU 79,1481,32

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Moderately toxic to humans by ingestion. Human systemic effects by ingestion and intravenous routes: general anesthetic, somnolence, fluid intake, blood pressure increase or decrease, esophagus changes, nausea or vomiting, and urine volume decrease or anuria. When heated to decomposition it emits toxic fumes of K₂O. See also OXALATES.

**OLE100 CAS: 1725-01-5 HR: 1
OXALIDE**

mf: $C_{15}H_{28}O_3$ mw: 256.43

PROP: Sweet musk.

SYNS: 1,8-DIOXACYCLOHEPTADECAN-9-ONE □ 9-((6-HYDROXYHEXYL)OXY)NONANOIC ACID omicron-LACTONE □ 10-OXAHEXADECANOLIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 30,99S,92
skn-rbt LD50:>5 g/kg FCTOD7 30,99S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

**OLG000 CAS: 63042-11-5 HR: 2
OXALYL- α -AMINOAZOTOLUENE**

mf: $C_{16}H_{15}N_3O_3$ mw: 297.34

SYNS: 2'-METHYL-4'-(α -TOLYLAZO)OXANILIC ACID □ 4'-OXALYLAMINO-2,3'-DIMETHYLAZOBENZENE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.

**OLI000 CAS: 79-37-8 HR: 3
OXALYL CHLORIDE**

mf: $C_2Cl_2O_2$ mw: 126.93

$ClCO \cdot CO \cdot Cl$

PROP: Colorless, fuming liquid or needles from Et_2O or pet ether; penetrating odor. Mp: -16° , bp: $63-64^\circ$, d: 1.488 @ $13^\circ/4^\circ$.

SAFETY PROFILE: Poison. Violently decomposed by water and alcohol. Severe irritant to skin, eyes, respiratory tract. Explodes on contact with dimethyl sulfoxide. Forms shock-sensitive explosive mixtures with potassium or with K-Na alloy. Will react with water or steam to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of Cl⁻. See also OXALIC ACID.

OLK000 CAS: 359-40-0 HR: 1**OXALYL FLUORIDE**mf: C₂F₂O₂ mw: 94.02**PROP:** A liquid. Bp: 0–2°.**SYN:** TL 108**TOXICITY DATA with REFERENCE:**ihl-mus LCLo:4500 mg/m³/10M NDRC** NDCrc-132,May,42**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by inhalation. When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES and OXALATES.**OLK200 CAS: 15219-97-3 HR: 2****OXALYSINE**mf: C₅H₁₂N₂O₃ mw: 148.19**SYNS:** (L)-3-(2-AMINOETHOXY)ALANINE □ I 677 □ I-4- OXALYSINE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1550 mg/kg YHHPAL 15,391,80

ipr-mus LD50:1960 mg/kg YHHPAL 15,391,80

ivn-mus LD50:1790 mg/kg YHHPAL 15,391,80

ims-mus LD50:2330 mg/kg YHHPAL 15,391,80

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, intravenous, and intramuscular routes. When heated to decomposition it emits toxic fumes of NO_x.**OLM000 CAS: 6569-69-3 HR: 3****1,4-OXAMERCURANE**mf: C₄H₈HgO mw: 272.71**PROP:** IDLH 10 mg/m³ (as Hg).**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#05133

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS.**OLM300 CAS: 27035-30-9 HR: 3****OXAMETHACIN**mf: C₁₉H₁₇ClN₂O₄ mw: 372.81**PROP:** Crystals from dioxane. Mp: 181–182° (decomp). Sol in most org solvs at elevated temperatures.**SYNS:** ABC 8/3 □ ACIDO 1-(p-CHLOROBENZOYL)-5-METOSSI-2-METIL-3-INDOLILACETOIDROSSAMICO (ITALIAN) □ ACIDO INDOXAMICO (ITALIAN) □ 1-(4-CHLOROBENZOYL)-N-HYDROXY-5-METHOXY-2-METHYL-1H-INDOLE-3-ACETAMIDE □ 1-(p-CHLOROBENZOYL)-5-METHOXY-2-METHYL-3-INDOLYLACETOHYDROXAMIC ACID □ 1-(p-CHLOROBENZOYL)-5-METHOXY-2-METHYLINDOLE-3-

ACETOHYDROXAMIC ACID □ DINULCID □ FLOGAR □ INDOXAMIC ACID □ OXAMETACIN □ OXAMETACINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:78 mg/kg BCFAAI 114,319,75

ipr-rat LD50:40 mg/kg BCFAAI 114,319,75

orl-mus LD50:92 mg/kg BCFAAI 114,319,75

ipr-mus LD50:32 mg/kg BCFAAI 114,319,75

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An anti-inflammatory agent. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.**OLM310 CAS: 515-96-8 HR: 3****OXAMIC ACID, HYDRAZIDE**mf: C₂H₅N₃O₂ mw: 103.10**SYNS:** ACETIC ACID, AMINOOXO-, HYDRAZIDE □

AMINOOXAMIDE □ N-AMINOOXAMIDE □

CARBAMOYLFORMIC ACID HYDRAZIDE □ OXAMIC

HYDRAZIDE □ SEMIOXAMAZID □ SEMIOXAMAZIDE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:185 mg/kg JPETAB 122,110,1958

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.**OLO000 CAS: 471-46-5 HR: 3****OXAMIDE**mf: C₂H₄N₂O₂ mw: 88.08**PROP:** Triclinic needles. Decomp @ 350°, d: 1.667 @ 20°/4°. Sltly sol in hot water, alc.**SYNS:** AMID KYSELINY STAVELOVE (CZECH) □ 1-CARBAMOYLFORMIMIDIC ACID □ ETHANEDIAMIDE □ OXALAMIDE □ OXALIC ACID DIAMIDE □ OXAMID (CZECH) □ OXAMIMIDIC ACID**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg/24H MOD 28ZPAK -,53,72

orl-rat LD50:447 mg/kg GISAAA 47(7),78,82

orl-mus LD50:235 mg/kg GISAAA 47(7),78,82

ipr-mus LDLo:128 mg/kg CBCCT* 3,127,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x. See also AMIDES.**OLS000 CAS: 10039-54-0 HR: 3****OXAMMONIUM SULFATE****DOT:** UN 2865mf: H₆N₂O₂•H₂O₄S mw: 164.16**PROP:** A crystalline material. Mp: 177°. Sol in water.**SYNS:** BIS(HYDROXYLAMINE) SULFATE □ HYDROXYLAMINE NEUTRAL SULFATE □ HYDROXYLAMINE SULFATE □ HYDROXYLAMINE SULFATE (2:1) □ HYDROXYLAMMONIUM SULFATE**TOXICITY DATA with REFERENCE:**

cyt-dmg-orl 5000 ppm CARYAB 31,1,78

ipr-mus LDLo:102 mg/kg TXAPA9 23,288,72

skn-rbt LDLo:100 mg/kg FAATDF 8,583,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive**SAFETY PROFILE:** Poison by skin contact and intraperitoneal routes. Mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. Moderately explosive when exposed to heat or by chemical reaction. In the presence of alkalis at elevated temperatures, free hydroxylamine is liberated and may decompose explosively. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also AMINES and SULFATES.**OLT000 CAS: 21738-42-1 HR: 3**
OXAMNIQUINEmf: C₁₄H₂₁N₃O₃ mw: 279.38**PROP:** Light-orange powder. Mp: 151–152°. Sltly sol in H₂O.**SYNS:** 6-HYDROXYMETHYL-2-ISOPROPYLAMINOMETHYL-7-NITRO-1,2,3,4-TETRAHYDROQUINOLINE □ 2-((ISOPROPYL-AMINO)METHYL)-7-NITRO-1,2,3,4-TETRAHYDRO-6-QUINOLINEMETHANOL □ MANSIL □ 1,2,3,4-TETRAHYDRO-2-((ISO-PROPYLAMINO)METHYL)-7-NITRO-6-QUINOLINEMETHANOL □ 1,2,3,4-TETRAHYDRO-2-((1-METHYL-ETHYL)AMINO)-METHYL)-7-NITRO-6-QUINOLINEMETHANOL □ UK 4261 □ UK 4271 □ VANSIL**TOXICITY DATA with REFERENCE:**mmo-sat 364 nmol/plate JPETAB 200,1,77
msc-ham:lng 1 μmol/L MUREAV 157,1,85
orl-rat LD50:30 mg/kg DDREDK 4,229,84
ipr-rat LD50:20 mg/kg DDREDK 4,229,84
ims-rat LD50:60 mg/kg DDREDK 4,229,84
orl-mus LD50:1300 mg/kg ARZNAD 31,555,81
ipr-mus LD50:650 mg/kg DDREDK 4,229,84
orl-rbt LD50:500 mg/kg DDREDK 4,229,84
orl-ham LD50:950 mg/kg DDREDK 4,229,84**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion, intraperitoneal and intramuscular routes. Human mutation data reported. An antischistosomal agent. When heated to decomposition it emits toxic fumes of NO_x.**OLT100 CAS: 30558-43-1 HR: 1**
OXAMYL OXIMEmf: C₅H₁₀N₂O₂S mw: 162.23**PROP:** Insecticide.**SYNS:** ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER □ METHYL 2-(DI-METHYLAMINO)-N-HYDROXY-2-OXOETHANIMIDOTHIO-ATE □ OXIMINO OXAMYL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>7 g/kg NTIS** PB85-143766

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**OLU000 CAS: 126-93-2 HR: 2**
OXANAMIDEmf: C₈H₁₅NO₂ mw: 157.24**PROP:** Tasteless, odorless, white crystals from pet ether. Mp: 90–91°. One part sol in 95 parts of water at 30°.**SYNS:** 2,3-EPOXY-2-ETHYLHEXANAMIDE □ 2-ETHYL-3-PROPYL-2,3-EPOXYPROPIONAMIDE □ 2-ETHYL-3-PROPYLGLYCIDAMIDE □ QUIACTIN**TOXICITY DATA with REFERENCE:**orl-rat LD50:1250 mg/kg FEPRA7 7,262,48
orl-mus LD50:1220 mg/kg PSEBAA 103,101,60
ipr-mus LD50:720 mg/kg PSEBAA 103,101,60**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**OLW000 CAS: 500-72-1 HR: 2**
OXANILIC ACIDmf: C₈H₇NO₃ mw: 165.16**PROP:** Pesticide.**SYNS:** KYSELINA OXALANILOVA □ OXAMIC ACID, PHENYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:500 mg/kg CBCCT* 7,395,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**OLW100 CAS: 96-26-4 HR: D**
OXANTINmf: C₃H₆O₃ mw: 90.09**PROP:** White powder. Mp: 75°.**SYNS:** CHROMELIN □ DIHYDROXYACETONE □ 1,3-DIHYDROXYACETONE □ 1,3-DIHYDROXYPROPANONE □ DIHYXAL □ NSC-24343 □ OTAN □ OXATONE □ SOLEAL □ 2-PROPANONE, 1,3-DIHYDROXY- □ TRIULOSE □ VITICOLOR**TOXICITY DATA with REFERENCE:**mmo-sat 150 μg/plate ABCHA6 47,2461,83
oth-esc 3300 μmol/L MUREAV 203,81,88
dnr-bcs 2 pph JEPTDQ 3(1-2),227,79**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**OLW400 CAS: 6577-41-9 HR: 3**
OXAPIUM IODIDEmf: C₂₂H₃₄NO₂•I mw: 471.47**PROP:** α-Form: White crystals from monochlorobenzene or isopropyl alcohol. Mp: 195–197°. Insol in trichloroethylene. β-Form: White crystals from monochlorobenzene. Mp: 150–152°. Sol in hot trichloroethylene. Both sol in methanol, ethanol, chloroform, and tetrachlorethane, hardly sol in benzene, toluene, xylene, and water.**SYNS:** ANC 113 □ CICLONIUM IODIDE □ 2-CYCLOHEXYL-2-PHENYL-4-PIPERIDINOMETHYL-DIOXOLANE-1,3-METHIODIDE □ CYCLONIUM IODIDE □ ESPERAN □ N-METHYL-N-(2-CYCLOHEXYL-2-PHENYL-1,3-DIOXOLAN-4-YL-METHYL)-PIPERIDINIUM IODIDE □ SH 100**TOXICITY DATA with REFERENCE:**orl-mus TDLo:600 mg/kg (7-14 D preg):REP OYYAA2 4,109,70
orl-rat LD50:494 mg/kg OYYAA2 4,109,70

scu-rat LD50:244 mg/kg NIIRDN 6,864,82
 ivn-rat LD50:13,900 µg/kg NIIRDN 6,864,82
 orl-mus LD50:512 mg/kg MEIEDD 10,393,83
 ipr-mus LD50:16 mg/kg PJPPAA 30,493,78
 scu-mus LD50:87,900 µg/kg MEIEDD 10,393,83
 ivn-mus LD50:6970 µg/kg MEIEDD 10,393,83
 ivn-dog LD50:31 mg/kg NIIRDN 6,864,82

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and I₂.

OLW600 CAS: 21256-18-8 HR: 3
OXAPROZIN

mf: C₁₈H₁₅NO₃ mw: 293.34

PROP: Crystals from methanol. Mp: 160.5–161.5°.

SYNS: ALVO □ 4,5-DIPHENYL-2-OXAZOLEPROPANOIC ACID

□ 4,5-DIPHENYL-2-OXAZOLEPROPIONIC ACID □

DURAPROST □ OXAPRO □ WY-21743

TOXICITY DATA with REFERENCE:

orl-rbt TDLo:39 mg/kg (female 6-18D post):TER
 IYKEDH 15,250,84

orl-rat LD50:4470 mg/kg IYKEDH 15,359,84

ipr-rat LD50:506 mg/kg IYKEDH 15,359,84

scu-rat LD50:2910 mg/kg IYKEDH 15,359,84

ivn-rat LD50:82 mg/kg IYKEDH 15,359,84

orl-mus LD50:1210 mg/kg IYKEDH 15,359,84

ipr-mus LD50:376 mg/kg IYKEDH 15,359,84

scu-mus LD50:556 mg/kg IYKEDH 15,359,84

ivn-mus LD50:93 mg/kg IYKEDH 15,359,84

ipr-dog LD50:200 mg/kg IYKEDH 15,359,84

ivn-dog LD50:124 mg/kg IYKEDH 15,359,84

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. Moderately toxic by subcutaneous route. An experimental teratogen. Experimental reproductive effects. An anti-inflammatory agent. When heated to decomposition it emits toxic fumes of NO_x.

OLY000 CAS: 15980-15-1 HR: 3
1,4-OXATHIANE

mf: C₄H₈OS mw: 104.18



PROP: Water-white, refractive, mobile liquid; characteristic odor. Mp: −17°, bp: 148.7°, flash p: 108°F (CC): d: 1.117 @ 20°. Spar sol in water.

SYNS: OXATHIANE □ p-THIOXANE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H MLD AMIHBC 4,119,51

eye-rbt 20 mg open AMIHBC 4,119,51

orl-rat LD50:2830 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:4000 ppm/4H JIHTAB 31,343,49

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. A skin and eye irritant. Flammable liquid when exposed to heat, sparks, flame, or oxidizers. Forms explosive complexes with silver perchlorate or copper(I) perchlorate. Incompatible with metal perchlorates and oxidizing materials. To fight fire, use water, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of SO_x.

OMA000 CAS: 73806-23-2 HR: 3
1,4-OXATHIANE compound with MERCURIC CHLORIDE

mf: C₄H₈OS•Cl₂Hg mw: 375.67

PROP: IDLH 10 mg/m³ (as Hg).

SYN: MERCURIC CHLORIDE-1,4-OXATHIANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#05126

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of Hg, Cl[−], and SO_x. See also individual components.

OMC000 CAS: 4378-73-8 HR: D
1,2-OXATHIETANE-2,2-DIOXIDE

mf: C₃H₆O₃S mw: 122.15

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate CBINA8 19,241,77

hma-mus/sat 10 µmol/kg CBINA8 19,241,77

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x.

OMG000 CAS: 60607-34-3 HR: 3
OXATIMIDE

mf: C₂₇H₃₀N₄O mw: 426.61

SYNS: 1-(3-(4-(DIPHENYLMETHYL)-1-PIPERAZINYL)PROPYL)-2-BENZIMIDAZOLINONE □ 1-(3-(4-(DIPHENYLMETHYL)-1-PIPERAZINYL)PROPYL)-1,3-DIHYDRO-2H-BENZIMIDAZOL-2-ONE □ KW-4354 □ OXATOMIDA □ OXATOMIDE □ R 35443 □ TINSET

TOXICITY DATA with REFERENCE:

orl-rat LD50:1410 mg/kg YACHDS 12,2769,84

ipr-rat LD50:63 mg/kg YACHDS 12,2769,84

ivn-rat LD50:29 mg/kg YACHDS 12,2769,84

orl-mus LD50:9596 mg/kg YACHDS 12,2769,84

ipr-mus LD50:7926 mg/kg YACHDS 12,2769,84

ivn-mus LD50:25 mg/kg YACHDS 12,2769,84

orl-gpg LD50:320 mg/kg DRFUD4 3,465,78

ivn-gpg LD50:23 mg/kg DRFUD4 3,465,78

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. An experimental teratogen. Experimental reproductive effects. Used to treat allergies and asthma. When heated to decomposition it emits toxic fumes of NO_x.

OMK000 CAS: 32388-21-9 HR: 3
OXAZINOMYCIN

mf: C₉H₁₁NO₇ mw: 245.21

PROP: A solid. Mp: 164–166° (decomp).

SYNS: MINIMYCIN □ 5-β-D-RIBOFURANOSYL-2H-1,3-OXAZINE-2,4(3H)-DIONE □ 5-β-D-RIBOFURANOSYL-1,3-OXAZINE-2,4-DIONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:5 mg/kg 85GDA2 5,281,81
 scu-mus LD50:20 mg/kg JANTAJ 25,44,72
 ivn-mus LD50:50 mg/kg 85GDA2 5,281,81

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.

OMK300 CAS: 24143-17-7 HR: 2
OXAZOLAZEPAM

mf: C₁₈H₁₇ClN₂O₂ mw: 328.82

PROP: A solid. Mp: 186–188°.

SYNS: OXAZOLAM □ SERENAL

TOXICITY DATA with REFERENCE:

orl-mus LD50:5200 mg/kg NYKZAU 66,107,70
 ipr-mus LD50:768 mg/kg 85IPAE -,91,72

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

OMM000 CAS: 497-25-6 HR: 2
2-OXAZOLIDINONE

mf: C₃H₅NO₂ mw: 87.09

PROP: A solid. Mp: 89°.

SYNS: (2-HYDROXYETHYL)CARBAMIC ACID,γ-LACTONE □ OXAZOLIDONE

TOXICITY DATA with REFERENCE:

orl-mus TDLo:1000 mg/kg:ETA BCPCA6 2,168,59

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

OMM100 CAS: 50916-12-6 HR: 3
3-OXAZOLIDINYL 3,4,5-TRIETHOXYPHENYL KETONE

mf: C₁₆H₂₃NO₅ mw: 309.40

SYN: OXAZOLIDINE, 3-(3,4,5-TRIETHOXYBENZOYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:600 mg/kg FRPSAX 28,818,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.

OMM200 CAS: 19666-30-9 HR: 2
1,3,4-OXAZOL-2(3H)-ONE, 3-(2,4-DICHLORO-5-(1-METHYLETHOXY)PHENYL)-5-(1,1-DIMETHYLETHYL)-

mf: C₁₅H₁₈Cl₂N₂O₃ mw: 345.25

SYNS: 2-tert-BUTYL-4-(2,4-DICHLORO-5-ISOPROPYLOXY-PHENYL)-1,3,4-OXADIAZOLIN-5-ONE □ 3-(2,4-DICHLORO-5-ISOPROPYLOXY-PHENYL)-Δ⁴-5-(tert-BUTYL)-1,3,4-OXADIAZOLINE-2-ONE □ OXADIAZON □ Δ²-1,3,4-OXADIAZOLIN-5-ONE,2-tert-BUTYL-4-(2,4-DICHLORO-5-ISOPROPYLOXY-PHENYL)- □ RONSTAR □ RP 17623

TOXICITY DATA with REFERENCE:

orl-rat LD50:3500 mg/kg 85ARAE 2,205,1977
 ihl-rat LC50:>200 g/m³ DEVEAA 39(231),19,1985

skn-rat LD50:5200 mg/kg NYKZAU 69(2),48P,1973

orl-mus LD50:12 g/kg DEVEAA 39(231),19,1985

skn-rbt LD50:>2 g/kg FMCHA2 -,C226,1991

CONSENSUS REPORTS: EPA FIFRA 1988 pesticide subject to registration or re-registration.

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

OMM300 CAS: 6542-37-6 HR: 3
1H,3H,5H-OXAZOLO(3,4-C)OXAZOLE-7A(7H)-METHANOL

mf: C₆H₁₁NO₃ mw: 145.18

SYNS: OXAZOLIDINE T □ BONDING AGENT M 3 □ GDUE □ 5-(HYDROXYMETHYL)-1-AZA-3,7-DIOXABICYCLO(3.3.0)-OCTANE □ M 3 (CURING AGENT)

CONSENSUS REPORTS: EPA FIFRA 1988 pesticide subject to registration or re-registration.

orl-mus LD50:5 mg/kg USXXAM #3824309

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

OMS400 CAS: 16485-39-5 HR: 3
OXELADINE CITRATE

mf: C₂₀H₃₃NO₃•xC₆H₈O₇

PROP: White powder or small crystals like needles. Mp: 90–91°. Sol in water.

SYN: OXELADINE CITRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:183 mg/kg NIIRDN 6,157,82

orl-mus LD50:130 mg/kg NIIRDN 6,157,82

scu-mus LD50:244 mg/kg YKKZAJ 82,1314,62

ivn-mus LD50:13 mg/kg NIIRDN 6,157,82

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.

OMU000 CAS: 55689-65-1 HR: 3
OXEPINAC

mf: C₁₆H₁₂O₄ mw: 268.28

PROP: Crystals from EtOAc. Mp: 110.5–111.5°.

SYNS: 6,11-DIHYDRO-11-OXO-DIBENZ(b,e)OXEPIN-3-ACETIC ACID □ OXEPINACO (SPANISH)

TOXICITY DATA with REFERENCE:

orl-rat LD50:110 mg/kg JMCMA 19,941,76

ipr-rat LD50:174 mg/kg ARZNAD 28,445,78

scu-rat LD50:113 mg/kg ARZNAD 28,445,78

orl-mus LD50:852 mg/kg ARZNAD 28,445,78

ipr-mus LD50:596 mg/kg ARZNAD 28,445,78

scu-mus LD50:645 mg/kg ARZNAD 28,445,78

orl-dog LD50:600 mg/kg DRFUD4 3,602,78

orl-rbt LD50:308 mg/kg ARZNAD 28,445,78

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and subcutaneous routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

OMW000 CAS: 503-30-0 HR: 2

OXETANEmf: C₃H₆O mw: 58.09**PROP:** Oily liquid with agreeable odor. D: 0.8930 @ 25°/4°, bp: 480° @ 750 mm. Sol in water.**SYNS:** CYCLOOXABUTANE □ 1,3-EPOXYPROPANE □ OXACYCLOBUTANE □ OXETAN □ α-γ-PROPANE OXIDE □ 1,3-PROPYLENE OXIDE □ TRIMETHYLENE OXIDE □ TRIMETHYLENOXID (GERMAN)**TOXICITY DATA with REFERENCE:**

mmo-sat 3333 µg/plate EMMUEG 11(Suppl 12),1,88

scu-rat LD50:500 mg/kg ZEKBAI 74,241,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by subcutaneous route. May be narcotic in high concentrations.

Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

OMY500 CAS: 53716-50-0 HR: D OXFENDAZOLEmf: C₁₅H₁₃N₃O₃S mw: 315.37**PROP:** Crystals from chloroform-methanol. Mp: 253° (decomp).**SYNS:** METHYL 5-(PHENYLSULFINYL)-2-BENZIMIDAZOLE-CARBAMATE □ METHYL (5-PHENYLSULFINYL)-1H-BENZIMIDAZOL-2-YL CARBAMATE □ OFDZ □ 5-(PHENYLSULFINYL)-2-BENZIMIDAZOLECARBAMIC ACID METHYL ESTER □ (5-(PHENYLSULFINYL)-1H-BENZIMIDAZOL-2-YL)CARBAMIC ACID METHYL ESTER □ 5-PHENYLSULFINYL-2-CARBO-METHOXYAMINO BENZIMIDAZOLE □ RS-8858 □ SYNANTHIC □ SYSTAMEX**TOXICITY DATA with REFERENCE:**

oms-hmn:oth 2 mg/L THERAP 31,505,76

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also CARBAMATES and ESTERS.**OMY700 CAS: 67049-95-0 HR: 3 OXIBENDAZOLE****PROP:** White powder. Practically insol in water.

Veterinary parasitic.

SYNS: LODITAC □ METHYL 5-n-PROPOXY-2-BENZIMIDAZOLE CARBAMATE □ OBDZ □ N-(PROPOXY-5-BENZIMIDAZOLYL)-2, CARBAMATE de METHYLE (FRENCH) □ N-(2-(5-PROPOXYBENZIMIDAZOLYL)) METHYL CARBAMATE □ SKF 30310**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:32 mg/kg AJVRAH 38,809,77

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES and ESTERS.**OMY800 HR: 2 3-N-OXIDE PURIN-6-THIOL MONOHYDRATE**mf: C₅H₄N₄OS•H₂O mw: 186.21**SYN:** 6-MERCAPTOPURINE 3-N-OXIDE MONOHYDRATE**TOXICITY DATA with REFERENCE:**

scu-rat TDLo:6500 mg/kg/26W-I:NEO CNREA8 27,925,67

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x and SO_x.**OMY815 CAS: 19636-23-8 HR: 3 3-OXIDIDO 17-α-ETHYNYL 17-β-HYDROXY ESTRA-4,9,11-TRIENE**mf: C₂₀H₂₃NO₂ mw: 309.44**SYNS:** 19-NOR-17-α-PREGNA-4,9,11-TRIEN-20-YN-3-ONE, 17-HYDROXY-, OXIME □ 19-NORPREGNA-4,9,11-TRIEN-20-YN-3-ONE, 17-HYDROXY-, OXIME, (17-α)- □ OXIME,17-HYDROXY-19-NORPREGNA-4,9,11-TRIEN-20-YN-3-ONE □ R 2010 OXIME □ SO 57**TOXICITY DATA with REFERENCE:**

orl-mus LD50:22 mg/kg FMXXAJ #4826M

SAFETY PROFILE: A poison by ingestion.Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x.**OMY825 CAS: 55290-64-7 HR: 2 OXIDIMETHIIN**mf: C₆H₁₀O₄S₂ mw: 210.28**SYNS:** 2,3-DIHYDRO-5,6-DIMETHYL-1,4-DITHIIN 1,1,4,4-TETROXIDE □ DIMETHIPIN □ 1,4-DITHIIN, 2,3-DIHYDRO-5,6-DIMETHYL-, 1,1,4,4-TETRAOXIDE □ p-DITHIANE, 2,3-DEHYDRO-2,3-DIMETHYL-, TETROXIDE □ HARVADE □ HARVADE 25F □ HARVADE F-25 □ N 252 □ TETRATHIIN □ TETRATHIIN (DESICCANT) □ UBI-N 252**CONSENSUS REPORTS:** EPA FIFRA 1988 pesticide subject to registration or re-registration.

orl-rat LD50:1150 mg/kg 85ARAE 3,88,1976/1977

ihl-rat LC50:>20 g/m³/1H PEMNDP 9,292,1991

orl-mus LD50:440 mg/kg PEMNDP 9,292,1991

skn-rbt LD50:8 g/kg FMCHA2-C160,1991

SAFETY PROFILE: Moderately toxic by ingestion. Low toxicity by inhalation and skin contact. When heated to decomposition it emits toxic vapors of SO_x.**OMY850 CAS: 58-36-6 HR: 3 10,10'-OXIDIPHENOXARSINE**mf: C₂₄H₁₆As₂O₃ mw: 502.24**PROP:** Colorless or white crystals, monoclinic prisms from EtOH or 2-propanol. Mp: 184–185°, decomp @ 380°, specific gravity 1.40–1.42, bp: 230–235° @ 20 mm. Sol in alc, chloroform, methylene chloride. Practically insol in water (5 ppm at 20°) and alkali.**SYNS:** BIS(PHENOXARSIN-10-YL) ETHER □ BIS(10-PHENOXARSYL) OXIDE □ BIS(10-PHENOXYARSINYL) OXIDE □ 10,10'-BIS(PHENOXYARSINYL) OXIDE □ DID 47 □ OBPA □ 10-10' OXYBISPHENOXYARSINE □ PHENOXARSINE OXIDE □ PXO □ SA 546 □ VINADINE □ VINYZENE □ VINYZENE bp 5 □ VINYZENE bp 5-2 □ VINYZENE (pesticide) □ VINYZENE SB 1**TOXICITY DATA with REFERENCE:**

skn-gpg 250 mg/5D SEV TXYAC 10,341,78

orl-rat LD50:40 mg/kg TXYAC 10,341,78

orl-mus LDLo:42 mg/kg AECTCV 14,111,85

orl-gpg LD50:24 mg/kg TXYAC 10,341,78

ihl-gpg LCLo:141 mg/m³/2H TXAPA9 10,341,78

orl-bwd LD50:24 mg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Arsenic and its compounds are on the Community Right-To-Know List.

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by ingestion and inhalation. A severe skin irritant. When heated to decomposition it emits toxic fumes of As. See also ARSENIC COMPOUNDS.

OMY899 **CAS: 57-71-6** **HR: 3**
OXIMES

PROP: Compounds of the form RC=NOH.

SAFETY PROFILE: May explode when heated. Their instability may be due to the presence of peroxides resulting from autooxidation. The presence of iron(III) chloride increases their sensitivity to heat. Oxime carbamates (C=NOCO•NH-) are heat-sensitive explosives. When heated to decomposition it emits toxic fumes of NO_x.

OMY910 **CAS: 57-71-6** **HR: 3**
2-OXIMINO-3-BUTANONE

mf: C₄H₇NO₂ mw: 101.12

SYNS: BIACETYL MONOXIME □ 2,3-BUTANEDIONE, MONOOXIME □ 2,3-BUTANEDIONE 2-OXIME □ DAM □ DIACETYL MONOOXIME □ DIACETYL MONOXIME

TOXICITY DATA with REFERENCE:

ipr-mus LD50:51 mg/kg JPMSAE 53,1143,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.

OMY912 **CAS: 5694-00-8** **HR: D**
OXIRANECARBOXAMIDE (9CI)

mf: C₃H₅NO₂ mw: 87.09

SYN: GLYCIDAMIDE

TOXICITY DATA with REFERENCE:

mic-bac-sat 500 µg/plate MUREAV 158,129,85

dns-hmn-mmnr 1 mmol/L EMMUEG 20,148,92

SAFETY PROFILE: Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

OMY925 **CAS: 88321-09-9** **HR: 2**
OXIRANECARBOXYLIC ACID, 3-(((3-METHYL-1-((3-METHYLBUTYL)AMINO)CARBONYL)-BUTYL)AMINO) CARBONYL)-, ETHYL-ESTER, (2S-(2-α-3-β(R*)))

mf: C₁₇H₃₀N₂O₅ mw: 342.49

PROP: Fine needles from EtOH. Mp: 126.2°.

SYNS: EP 453 □ EST

TOXICITY DATA with REFERENCE:

cyt-ham:lng 200 mg/L IYKEDH 17,815,86

ipr-rat LD50:2050 mg/kg IYKEDH 17,736,86

ipr-mus LD50:3270 mg/kg IYKEDH 17,736,86

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. Mutation data

reported. When heated to decomposition it emits toxic fumes of NO_x.

ONC000 **CAS: 61695-72-5** **HR: 2**
7-OXIRANYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₄O mw: 270.34

SYNS: BENZ(a)ANTHRACEN-7-YL-OXIRANE □ 7-BENZANTHRYLOXIRANE □ 7-(EPOXYETHYL)-BENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate CNREA8 38,3247,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

ONC100 **CAS: 52695-39-3** **HR: D**
4-OXIRANYLBENZONITRILE

mf: C₉H₇NO mw: 145.17

SYNS: BENZONITRILE, 4-OXIRANYL- □ p-CYANOSTYRENE OXIDE

TOXICITY DATA with REFERENCE:

mic-sat 11400 µmol/L CPBTAL 30,1393,1982

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

ONE000 **CAS: 61695-69-0** **HR: 2**
6-OXIRANYLBENZO(a)PYRENE

mf: C₂₂H₁₄O mw: 294.36

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

ONE050 **CAS: 17177-50-3** **HR: D**
1-OXIRANYL-1,2-ETHANEDIOL

mf: C₄H₈O₃ mw: 104.12

SYNS: 1,2-BUTANEDIOL, 3,4-EPOXY- □ (1,2-DIHYDROXY-ETHYL)OXIRANE □ 3,4-EPOXY-1,2-BUTANEDIOL □ 1,2-ETHANEDIOL, 1-OXIRANYL-

TOXICITY DATA with REFERENCE:

msc-hmn-lym 450 µmol/L CRNGDP 15,713,1994

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

ONE100 **CAS: 5026-74-4** **HR: 2**
N-(4-(OXIRANYLMETHOXY)PHENYL)-N-(OXIRANYLMETHYL)OXIRANEMETHANAMINE

mf: C₁₅H₁₉NO₄ mw: 277.35

SYNS: OXIRANEMETHANAMINE, N-(4-(OXIRANYLMETHOXY)PHENYL)-N-(OXIRANYLMETHYL)- □ TK 12759

TOXICITY DATA with REFERENCE:

sce-ham-orl 228 mg/kg EPASR* 8EHQ-0179-0268

orl-ham LD50:2739 mg/kg EPASR* 8EHQ-1281-0426

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

**ONG000 CAS: 61695-74-7 HR: 2
1-OXIRANYLPYRENE**mf: C₁₈H₁₂O mw: 244.30**SYNS:** 1-EPOXYETHYLPYRENE □ 1-PYRENYLOXIRANE**TOXICITY DATA with REFERENCE:**

mmo-sat 100 pmol/plate CNREA8 40,642,80

dnd-omi 27 µmol/L CNREA8 38,3247,78

msc-ham:lng 100 µg/L IJCNAW 24,203,79

dnd-mam:lym 1790 µmol/L BBRCa9 82,929,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**ONI000 CAS: 30286-75-0 HR: 3
OXITROPIUM BROMIDE**mf: C₁₉H₂₆NO₄•Br mw: 412.37**PROP:** A solid. Mp: 203–204°.**SYNS:** BA 253 BR □ Ba-253-BR-L □ BROMURO de OXITROPIO- (SPANISH) □ (-)-N-ETHYL-NORHYOSCINE-METHOBROMIDE □ N-ETHYL-NORSOPOLAMINEMETHOBROMIDE □ OTB □ OXYTROPIUM BROMIDE □ VENTILAT**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2250 mg/kg DRFUD4 4,117,79

ivn-rat LD50:44 mg/kg DRFUD4 4,117,79

orl-mus LD50:1600 mg/kg DRFUD4 4,117,79

scu-mus LD50:1150 mg/kg DRFUD4 4,117,79

ivn-mus LD50:25,700 µg/kg DRFUD4 4,117,79

orl-dog LD50:3 g/kg DRFUD4 4,117,79

ivn-dog LD50:50 mg/kg DRFUD4 4,117,79

ivn-rbt LD50:34 mg/kg DRFUD4 4,117,79

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes. An anticholinergic bronchodilator. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻. See also BROMIDES.**ONI100 CAS: 615-16-7 HR: 2
2-OXOBENZIMIDAZOLE**mf: C₇H₆N₂O mw: 134.15**SYN:** 2-BENZIMIDAZOLINONE**TOXICITY DATA with REFERENCE:**

scu-mus LD50:620 mg/kg ARZNAD 8,42,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x.**ONI300 CAS: 4337-86-4 HR: 3
OXOCHLORPROMAZINE**mf: C₁₇H₁₉ClN₂O₂S mw: 350.89**SYNS:** 2-CHLORO-10-(3-(DIMETHYLAMINO)PROPYL)PHENOTHIAZINE 5,5-DIOXIDE □ CHLORPROMAZINE SULFONE □ PHENOTHIAZINE, 2-CHLORO-10-(3-(DIMETHYLAMINO)PROPYL)-, 5,5-DIOXIDE □ 10H-PHENOTHIAZINE-10-PROPANAMINE, 2-CHLORO-N,N-DIMETHYL-, 5,5-DIOXIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:30 mg/kg NYKZAU 53,71S,1957

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**ONO000 CAS: 566-28-9 HR: 2
7-OXOCHOLESTEROL**mf: C₂₇H₄₄O₂ mw: 400.71**PROP:** Crystals from CHCl₃/Et₂O. Mp: 157°.**SYNS:** 3-β-HYDROXYCHOLEST-5-EN-7-ONE (8CI) □ (3-β)-HYDROXYCHOLEST-5-EN-7-ONE (9CI) □ 7-KETOCHOLESTEROL □ SC 4722**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**ONO500 CAS: 19716-61-1 HR: 3
8-OXOCOPTISINE**mf: C₁₉H₁₃NO₅ mw: 335.32**SYN:** 4H-BIS(1,3)BENZODIOXOLO(5,6-A:4',5'-G)QUINOLIZIN-4-ONE, 6,7-DIHYDRO-**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:1 mg/kg BIPBU* 24,1277,2001

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**ONQ000 CAS: 77791-69-6 HR: D
N-(2-OXO-3,5,7-CYCLOHEPTATRIEN-1-YL)-AMINOXOACETIC ACID ETHYL ESTER**mf: C₁₀H₁₃NO₄ mw: 211.24**SYN:** AY-25,674**SAFETY PROFILE:** An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x. See also ESTERS.**ONQ100 CAS: 110-99-6 HR: 2
OXODIACETIC ACID**mf: C₄H₆O₅ mw: 134.10**PROP:** Off white powder. Mp: 140–144°.**SYNS:** ACETIC ACID, 2,2'-OXYBIS-(9CI) □ ACETIC ACID, OXYDI- □ BIS(CARBOXYMETHYL)ETHER □ DIGLYCOLIC ACID (6CI) □ 3-OXAPENTANEDIOIC ACID □ OXYBISACETIC ACID □ 2,2'-OXYBISACETIC ACID □ OXYDIACETIC ACID □ 2,2'-OXYDIACETIC ACID □ OXYDIETHANOLIC ACID**TOXICITY DATA with REFERENCE:**

orl-rat LD50:500 mg/kg ACIEAY 14,94,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**ONU000 HR: 3
OXODIPEROXODIPYRIDINECHROMIUM(VI)**mf: C₁₀H₁₀CrN₂O₅ mw: 290.20(C₅H₅N)₂CrO(O₂)₂**PROP:** IDLH Ca [15 mg/m³ {as Cr(VI)}].**SYN:** PYRIDINE PERCHROMATE**CONSENSUS REPORTS:** Chromium and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** A powerful oxidant. Violently explosive when dry. When heated to decomposition it

emits toxic fumes of NO_x. See also CHROMIUM COMPOUNDS.

ONU100 **CAS: 38293-27-5** **HR: 3**
OXODIPEROXOPYRIDINE CHROMIUM-N-OXIDE
 mf: C₅H₅CrNO₆ mw: 227.09
 OCr(O₂)₂C₅H₅N:O

CONSENSUS REPORTS: Chromium and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: An explosive. When heated to decomposition it emits toxic fumes of NO_x. See also CHROMIUM COMPOUNDS and PEROXIDES.

ONW000 **HR: 3**
OXODISILANE
 mf: H₄OSi₂ mw: 76.20
 H₃SiSi(O)H

SAFETY PROFILE: Ignites spontaneously in air.

ONW100 **CAS: 7448-86-4** **HR: 3**
1'-OXOESTRAGOLE
 mf: C₁₀H₁₀O₂ mw: 162.20
SYNS: ACRYLOPHENONE, 4'-METHOXY- □ p-METHOXY-ACRYLOPHENONE □ 4'-METHOXYACRYLOPHENONE □ 1-(4-METHOXYPHENYL)-2-PROPEN-1-ONE □ p-METHOXY-PHENYL VINYL KETONE □ 2-PROPEN-1-ONE, 1-(4-METHOXYPHENYL)-(9CI)

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:49700 µg/kg/4D-I:CAR CNREA8 47,2275,87

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: A questionable carcinogen. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

ONW150 **CAS: 3868-31-3** **HR: D**
8-OXOGUANOSINE
 mf: C₁₀H₁₃N₅O₆ mw: 299.28
SYNS: 2-AMINO-9-β-d-RIBOFURANOSYLPURINE-6,8(1H,9H)-DIONE □ 8-HYDROXYGUANOSINE □ GUANOSINE, 7,8-DIHYDRO-8-OXO- □ PURINE-6,8(1H,9H)-DIONE, 2-AMINO-9-β-d-RIBOFURANOSYL-

TOXICITY DATA with REFERENCE:

sce-hmn-lym 100 nmol/L MUREAV 403,223,1998

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

ONW200 **CAS: 88973-46-0** **HR: D**
6-OXO-trans,trans-2,4-HEXADIENOIC ACID
 mf: C₆H₆O₃ mw: 126.12
SYNS: 2,4-HEXADIENOIC ACID, 6-OXO-, (E,E)- □ 6-OXO-2,4-HEXADIENOIC ACID (E,E)-

TOXICITY DATA with REFERENCE:

msc-ham-lng 32 µmol/L EMMUEG 24,112,94

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

ONY000 **CAS: 1707-95-5** **HR: 3**
2-(3-OXO-1-INDANYLIDENE)-1,3-INDANDIONE
 mf: C₁₈H₁₀O₃ mw: 274.28

PROP: Yellow plates. Mp: 208–210°.

SYN: BINDON

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:100 mg/kg ARTODN 33,191,75

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

OOA000 **CAS: 5100-91-4** **HR: 2**
8-OXO-8H-ISOCHROMENO(4',3':4,5)PYRROLO-(2,3-f)QUINOLINE

mf: C₁₈H₁₀N₂O₂ mw: 286.30

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.

OOC000 **CAS: 959-14-8** **HR: 2**
OXOLAMINE

mf: C₁₄H₁₉N₃O mw: 245.36

PROP: Liquid. Bp: 127° @ 0.4 mm.

SYNS: N,N-DIETHYL-3-PHENYL-1,2,4-OXADIAZOLE-5-ETHANAMINE □ 3-PHENYL-5-(β-DIETHYLAMINOETHYL)-1,2,4-OXADIAZOLE

TOXICITY DATA with REFERENCE:

orl-mus LD50:925 mg/kg BCFAAI 109,476,70

scu-mus LD50:672 mg/kg JMCAR 10,411,67

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES and other oxolamine entries.

OOE000 **CAS: 1949-20-8** **HR: 3**
OXOLAMINE CITRATE
 mf: C₁₄H₁₉N₃O•C₆H₈O₇ mw: 437.50
PROP: Crystals. Sltly sol in water and alc.
SYNS: 5-β-DIETHYLAMINOETHYL-3-PHENYL-1,2,4-OXADIAZOLE CITRATE □ 3-PHENYL-5-(β-(DIETHYL-AMINO)ETHYL)-1,2,4-OXADIAZOLE CITRATE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:15 g/kg/1Y-I:CAR EMPAL 2,1,63

orl-rat LD50:1650 mg/kg BJPCAL 16,209,61

orl-mus LD50:650 mg/kg THERAP 19,631,64

ipr-mus LD50:351 mg/kg BJPCAL 16,209,61

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES and other oxolamine entries.

OOE100 **CAS: 1219-20-1** **HR: 3**
OXOLAMINE HYDROCHLORIDE
 mf: C₁₄H₁₉N₃O•ClH mw: 281.82
SYNS: AF 438 HYDROCHLORIDE □ 5-(2-(DIETHYLAMINO)ETHYL)-3-PHENYL-1,2,4-OXADIAZOLE HYDROCHLORIDE □ 5-(2-DIETHYLAMINOETHYL)-3-PHENYL-1,2,4-OXADIAZOLE CLORIDRATO (ITALIAN) □ 683 M HYDROCHLORIDE □ OXOLAMINA CLORIDRATO (ITALIAN) □ 3-PHENYL-5-(β-DIETHYLAMINOETHYL)-1,2,4-OXADIAZOLE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1650 mg/kg BJPCAL 16,209,61
 ipr-rat LD50:185 mg/kg BJPCAL 16,209,61
 orl-mus LD50:1061 mg/kg BCFAAI 109,476,70
 ipr-mus LD50:208 mg/kg BJPCAL 16,209,61
 scu-mus LD50:465 mg/kg BJPCAL 16,209,61
 ivn-mus LD50:63 mg/kg BJPCAL 16,209,61

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also AMINES and other oxolamine entries.

**OOG000 CAS: 14698-29-4 HR: 2
 OXOLINIC ACID**

mf: C₁₃H₁₁NO₅ mw: 261.25

PROP: Crystals from DMF. Mp: 314–316° (decomp).

SYNS: EMYRENIL □ 1-ETHYL-1,4-DIHYDRO-6,7-METHYLENEDIOXY-4-OXO-3-QUINOLINECARBOXYLIC ACID □ 5-ETHYL-5,8-DIHYDRO-8-OXO-1,3-DIOXOLO(4,5-g)QUINOLINE-7-CARBOXYLIC ACID □ 1-ETHYL-6,7-METHYLENEDIOXY-4-QUINOLONE-3-CARBOXYLIC ACID □ NIDANTIN □ NSC-110364 □ OSSIAN □ OXOBOI □ PIETIL □ PRODOXOL □ URITRATE □ URO-ALVAR □ UROTRATE □ UROXOL □ UTIBID □ W 4565

TOXICITY DATA with REFERENCE:

mmo-esc 130 µg/L AMACCQ 17,763,80
 oms-esc 50 mg/L EJBCAI 62,491,76
 orl-rat LD50:525 mg/kg TXAPA9 18,185,71
 skn-rat LD50:>2 g/kg JPIFAN (55),21,89
 orl-mus LD50:1890 mg/kg TXAPA9 18,185,71

SAFETY PROFILE: Moderately toxic by ingestion. Low toxicity by skin contact. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

**OOI000 CAS: 125-29-1 HR: 3
 6-OXO-3-METHOXY-N-METHYL-4,5-EPOXY-MORPHINAN**

mf: C₁₈H₂₁NO₃ mw: 299.40

PROP: Prisms from EtOH. Mp: 198°.

SYNS: BEKADID □ DICO □ DICODID □ DIHYDROCODEINONE □ 4,5α-EPOXY-3-METHOXY-17-METHYLMORPHINAN-6-ONE □ HYDROCODONE

TOXICITY DATA with REFERENCE:

scu-rat LD50:150 mg/kg ARZNAD 3,238,53
 scu-mus LD50:86 mg/kg JPETAB 52,468,34
 ivn-cat LDLo:9 mg/kg AEPPAE 194,296,40
 ivn-rbt LDLo:7 mg/kg AEPPAE 194,296,40

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x.

**OOI100 CAS: 97-36-9 HR: 2
 3-OXO-N-(2,4-METHYLPHENYL)BUTANAMIDE**

mf: C₁₂H₁₅NO₂ mw: 205.28

SYNS: ACETOACETANILIDE, 2',4'-DIMETHYL- □ ACETOACET-2,4-DIMETHYLPHENYL □ 2,4-ACETOACETOXYLIDIDE □ ACETOACETO-m-XYLIDIDE □ 2',4'-ACETOACETOXYLIDIDE □ ACETOACET-m-XYLIDIDE □ ACETOACETYL-m-XYLIDIDE □ BUTANAMIDE, N-(2,4-DIMETHYLPHENYL)-3-OXO-(9CI) □ 2',4'-DIMETHYLACETOACETANILIDE □ N-(2,4-DIMETHYLPHENYL)-3-OXOBUTANAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3000 mg/kg LONZA# 13JUL81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

**OOI200 CAS: 734-88-3 HR: 2
 3-OXO-3H-NAPHTHO(2,1-b)PYRAN-2-CARBOXYLIC ACID ETHYL ESTER**

mf: C₁₅H₁₂O₄ mw: 256.27

SYNS: BELOPHAR KLA □ 5,6-BENZOCOUMARIN-3-CARBONIC ACID ETHYL ETHER □ 5,6-BENZOCOUMARIN-3-CARBOXYLIC ACID ETHYL ESTER □ COMPOUND 13-61 □ OPTICAL BLEACH 13-61 □ 3H-NAPHTHO(2,1-b)PYRAN-2-CARBOXYLIC ACID, 3-OXO-, ETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:1580 mg/kg GISAAA 49(1),85,84
 orl-mus LD50:590 mg/kg GISAAA 49(1),85,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.

**OOK000 CAS: 55764-18-6 HR: 2
 9-OXO-8-OXATRICYCLO(5.3.1.0^{2,6})UNDECANE**

mf: C₁₁H₁₄O₂ mw: 178.25

SYN: 8-OXA-9-KETOTRICYCLO(5.3.1.0^{2,6})UNDECANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:840 mg/kg TXAPA9 28,313,74
 skn-rbt LD50:1270 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.

**OOK100 CAS: 306-12-7 HR: 3
 OXOPHENARSINE**

mf: C₆H₆AsNO₂ mw: 199.05

PROP: Bright-yellow deliquescent powder or white crystals. Mp: 133° (decomp).

SYNS: 2-AMINO-4-ARSENOSOPHENOL □ (3-AMINO-4-HYDROXYPHENYL)ARSENIOUS ACID □ PHENARSEN □ PHENOL, 2-AMINO-4-ARSENOSO-

TOXICITY DATA with REFERENCE:

orl-mus LDLo:150 mg/kg JPETAB 76,358,42
 ivn-mus LDLo:30 mg/kg JPETAB 76,358,42

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and As.

**OOK150 CAS: 611-73-4 HR: 3
 OXOPHENYLACETIC ACID**

mf: C₈H₆O₃ mw: 150.14

SYNS: BENZENEACETIC ACID, α-OXO-(9CI) □ BENZENEGLYOXYLIC ACID □ BENZENEFORMIC ACID □ GLYOXYLIC ACID, PHENYL- □ α-KETOPHENYLACETIC ACID

□ α -OXOBENZENEACETIC ACID □ PHENYLGLYOXYLIC ACID □ PHENYLGLYOXYLIC ACID □ PHENYLOXOACETIC ACID

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04110

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating vapors.

OOK175 CAS: 63981-21-5 HR: 3
2-OXO-2-(PHENYLAMINO)ETHYL SELENO-
CYANATE

mf: $C_9H_8N_2OSe$ mw: 239.15

SYNS: SELENOCYANIC ACID, 2-OXO-2-(PHENYLAMINO)-ETHYL ESTER □ SELENOCYANIC ACID, ESTER WITH α -HYDROXYACETANILIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:25 mg/kg NCNSA6 5,1,1953

ipr-rat LDLo:25 mg/kg NCNSA6 5,1,1953

ACGIH TLV: TWA 0.2 mg(Se)/m³

SAFETY PROFILE: A poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic vapors of NO_x and Se.

OOK200 CAS: 5415-07-6 HR: 3
 β -OXO- α -PHENYLBENZENEPROPANENITRILE

mf: $C_{15}H_{11}NO$ mw: 221.27

SYNS: ACETONITRILE, BENZOYLPHENYL- □ BENZENE-PROPANENITRILE, β -OXO- α -PHENYL-(9CI) □ α -BENZOYL-BENZYL CYANIDE □ BENZOYLPHENYLACETONITRILE □ α -BENZOYLPHENYLACETONITRILE □ α -CYANO BENZYL PHENYL KETONE □ α -CYANODEOXYBENZON

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:125 mg/kg CBCCT* 6,51,54

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: A poison by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.

OOM300 CAS: 42472-96-8 HR: 2
N-(2-OXO-3-PIPERIDYL)PHTHALIMIDE

mf: $C_{13}H_{12}N_2O_3$ mw: 244.27

SYNS: 3-(1,3-DIHYDRO-1,3-DIOXO-2H-ISOINDOL-2-YL)-2-OXOPIPERIDINE □ EM 136

TOXICITY DATA with REFERENCE:

orl-mus LD50:1350 mg/kg ARZNAD 31,941,81

ipr-mus LD50:747 mg/kg ARZNAD 31,941,81

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

OOM400 HR: 3
OXOPROPANEDINITRILE

mf: C_3N_2O mw: 80.05

O:C(CN)₂

SYN: CARBONYL DICYANIDE

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Explosive reaction on contact with water. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

OOM500 CAS: 44992-01-0 HR: 2
2-((1-OXO-2-PROPENYL)OXY)-N,N,N-TRI-
METHYLETHANAMINIUM CHLORIDE

mf: $C_8H_{16}NO_2 \cdot Cl$ mw: 193.70

SYNS: ADAMQUAT 80 MC □ 2-(DIMETHYLAMINO)ETHYL ACRYLATE METHOCHLORIDE □ ETHANAMINIUM, 2-((1-OXO-2-PROPENYL)OXY)-N,N,N-TRIMETHYL-, CHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 100 μ L/24H SEV NTIS** OTS0555907

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

OOO000 CAS: 64058-54-4 HR: 3
p-(2-OXOPROPOXY)BENZENEARSONIC ACID

mf: $C_9H_{11}AsO_5$ mw: 274.12

TOXICITY DATA with REFERENCE:

orl-rat LDLo:2500 mg/kg JPETAB 63,122,38

ivn-rat LDLo:900 mg/kg JPETAB 63,122,38

ims-rat LDLo:600 mg/kg JPETAB 63,122,38

CONSENSUS REPORTS: Arsenic and its compounds are on The Community Right-To-Know List.

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Arsenic compounds are poisons. Moderately toxic by ingestion, intravenous, and intramuscular routes. When heated to decomposition it emits toxic fumes of As. See also ARSENIC COMPOUNDS.

OOO050 CAS: 89837-93-4 HR: 2
N-(2-OXOPROPYL)-N-NITROSOUREA

mf: $C_4H_7N_3O_3$ mw: 145.14

SYNS: 1-ACETONYL-1-NITROSOUREA □ N-NITROSO-N-(2-OXOPROPYL)UREA □ 1-NITROSO-2-OXOPROPYLUREA □ UREA, N-NITROSO-N-(2-OXOPROPYL)-

TOXICITY DATA with REFERENCE:

mic-sat 10 μ g/plate MUREAV 178,157,87

dnd-unr-lym 10 mmol/L CBINA8 48,169,84

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data reported. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

OOO100 CAS: 40942-73-2 HR: 1
3-(2-OXOPROPYL)-2-PENTYL-CYCLO-
PENTANONE

mf: $C_{13}H_{22}O_2$ mw: 210.35

SYNS: CYCLOPENTANONE, 3-(2-OXOPROPYL)-2-PENTYL- □ MAGNOLIONE □ PENTYL-CYCLOPENTANONEPROPANONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,795,82

orl-rat LD50:>5 g/kg FCTOD7 20,795,82

skn-rbt LD50:>5 g/kg FCTOD7 20,795,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

000200 CAS: 142-08-5 HR: 2**2-OXOPYRIDINE**mf: C₅H₅NO mw: 95.11**PROP:** Off-white to brown. Flash pt: 210° C.**SYNS:** 2-HYDROXYPYRIDINE □ 2-PYRIDINOL □ 2-PYRIDINONE □ 2(1H)-PYRIDINONE (9CI) □ 2(1H)-PYRIDONE □ α-PYRIDONE □ PYRIDONE-2 □ 2-PYRIDONE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:410 mg/kg TOXIA6 23,815,85

ivn-mus LD50:750 mg/kg AIPTAK 93,143,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal and intravenous routes. A combustible liquid. When heated to decomposition it emits toxic vapors of NO_x.**000300 CAS: 76014-80-7 HR: D****4-OXO-4-(3-PYRIDYL)BUTANAL**mf: C₉H₉NO₂ mw: 163.19**SYNS:** γ-OXO-3-PYRIDINEBUTANAL □ 3-PYRIDINEBUTANAL, γ-OXO-**TOXICITY DATA with REFERENCE:**

dnd-rat-lvr 1 mmol/L CRNGDP 13,1447,92

uns-ham-lng 500 μmol/L MUREAV 240,25,90

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**000500 CAS: 92065-85-5 HR: 3****2-OXO-2-(1-PYRROLIDINYL)ETHYL-N-(((METHYLAMINO)CARBONYL)OXY)ETHANIMIDOTHIOATE**mf: C₁₀H₁₇N₃O₃S mw: 259.36**SYN:** ETHANIMIDOTHIOIC ACID, N-(((METHYLAMINO)-CARBONYL)OXY)-, 2-OXO-2-(1-PYRROLIDINYL)ETHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:24,600 μg/kg USXXAM #4454134

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**OOS000 CAS: 22755-01-7 HR: 3****OXOSILANE**mf: H₂OSi mw: 46.10O:SiH₂**SAFETY PROFILE:** Spontaneously flammable in air or Cl₂.**OOS100 CAS: 57743-92-7 HR: D****11-OXO-9,12-α,13,17-TETRAHYDROXY-KAURAN-17(S)-AL**mf: C₂₀H₃₀O₆ mw: 366.50**SYNS:** 1H-2,10A-ETHANOPHENANTHRENE, KAURAN-17-AL DERIV. □ KAURAN-17-AL, 9,12,13,16-TETRAHYDROXY-11-OXO-, (12α)- □ KAURAN-17-AL, 9, 12,13,16-TETRAHYDROXY-11-OXO-, (12-α)- □ PHLEBIAKAURANOL ALDEHYDE**TOXICITY DATA with REFERENCE:**

dni-uns 48 mg/L JANTAJ 40,443,1987

uns-uns 38 mg/L JANTAJ 40,443,1987

uns-uns 12 mg/L JANTAJ 40,443,1987

dni-mus ast 9 mg/L JANTAJ 40,443,1987

uns-mus ast 8 mg/L JANTAJ 40,443,1987

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**O0Y000 CAS: 70-22-4 HR: 3****OXOTREMORINE**mf: C₁₂H₁₈N₂O mw: 206.32**PROP:** Pale yellow liquid. Bp: 150–151° @ 0.6 mm; 124° @ 0.1 mm.**SYNS:** 2'-OXOPYRROLIDINO-1-PYRROLIDINO-4-BUTYNE □ OXOTREMORIN □ 1-(4-(1-PYRROLIDINYL)-2-BUTYNYL)-2-PYRROLIDINONE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:4400 μg/kg TXAPA9 14,67,69

orl-mus LD50:11,300 μg/kg HPFSDS FDA-80-1076,212,80

ipr-mus LD50:3 mg/kg ATXKA8 29,39,72

ivn-mus LD50:1400 mg/kg BJPCAL 26,56,66

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by intravenous route. When heated to decomposition it emits toxic fumes of NO_x.**O0Y100 CAS: 17360-35-9 HR: 3****OXOTREMORINE SESQUIFUMARATE**mf: C₁₂H₁₈N₂O•³/₂C₆H₄O₄ mw: 380.44**SYNS:** OXOTREMORINE FUMARATE (2:3) □ 2-PYRROLIDINONE, 1-(4-(1-PYRROLIDINYL)-2-BUTYNYL)-, SESQUIFUMARATE □ 2-PYRROLIDINONE, 1-(4-(1-PYRROLIDINYL)-2-BUTYNYL)-, FUMARATE (2:3) □ 2-PYRROLIDINONE, 1-(4-(1-PYRROLIDINYL)-2-BUTYNYL)-, (E)-2-BUTENEDIOATE (2:3) □ 1-(N-(1-PYRROLIDINYL)-2-BUTYNYL)-2-PYRROLIDINONE SESQUIFUMARATE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:6500 μg/kg TXAPA9 28,227,1974

ivn-mus LD50:20 mg/kg CSLNX* NX#04243

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x.**OPC000 CAS: 13380-94-4 HR: 2****8-OXOTRICYCLO(5.2.1.0^{2,6})DECANE**mf: C₁₀H₁₄O mw: 150.24**PROP:** D: 1.06 @ 20°/4°, bp: 132° @ 30 mm.**SYNS:** CORODANE □ 8-KETOTRICYCLO(5.2.1.0^{2,6})DECANE □ TETRAHYDRO-4,7-METHANOINDAN-5(4H)-ONE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:710 mg/kg TXAPA9 28,313,74

skn-rbt LD50:1260 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.**OPC025 CAS: 64029-10-3 HR: 3****5-OXO-2,4,8-TRIMETHYL-6-OXA-3,9-DITHIA-2,4,7-TRIAZADDEC-7-ENOIC ACID, 2-(2-(2-METHOXYETHOXY) ETHOXY)ETHYL ESTER**mf: C₁₄H₂₇N₃O₇S₂ mw: 413.56**TOXICITY DATA with REFERENCE:**

orl-rat LD50:226 mg/kg USXXAM #4341795

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

OPC035 CAS: 79006-76-1 HR: 2
5-OXO-2,4,8-TRIMETHYL-6-OXA-3,9-DITHIA-2,4,7-TRIAZADDEC-7-ENOIC ACID, (1-METHYLETHYLIDENE)DI-4,1-PHENYLENE ESTER

mf: C₂₉H₃₈N₆O₈S₄ mw: 726.97

TOXICITY DATA with REFERENCE:

orl-rat LD50:508 mg/kg USXXAM #4400389

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

OPC045 CAS: 53083-27-5 HR: 1
1-OXO-2-(2,4,6-TRIMETHYLPHENYL)-1H-INDEN-3-YL DODECANOATE

mf: C₃₀H₃₈O₃ mw: 446.68

SYN: DODECANOIC ACID, 1-OXO-2-(2,4,6-TRIMETHYLPHENYL)-1H-INDEN-3-YL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:9500 mg/kg 35ZRAG 4,143,1974

skn-rbt LD50:4 g/kg 35ZRAG 4,143,1974

SAFETY PROFILE: Low toxicity by ingestion. ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

OPC100 CAS: 2469-55-8 HR: 3
OXYBIS((3-AMINOPROPYL)DIMETHYLSILANE)

mf: C₁₀H₂₈N₂OSi₂ mw: 248.58

SYNS: 1,3-BIS(3-AMINOPROPYL)-1,1,3,3-TETRAMETHYLDISILOXANE □ DISILOXANE, 1,3-BIS(3-AMINOPROPYL)-1,1,3,3-TETRAMETHYL- □ SILANE, OXYBIS((3-AMINOPROPYL)DIMETHYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:80 mg/kg RCRVAB 38,975,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.

OPE000 CAS: 80-51-3 HR: 3
OXYBIS(BENZENESULFONYL HYDRAZIDE)

DOT: UN 2951

mf: C₁₂H₁₄N₄O₅S₂ mw: 358.42

PROP: White powder. Decomp temp. 150–160°.

SYNS: BENZENESULFONIC ACID, OXYBIS-, DIHYDRAZIDE (9CI) □ CELLMIC S □ CELOGEN OT □ CENITRON OB □ DIPHENYLOXIDE-4,4'-DISULFOHYDRAZIDE (DOT) □ NITROPORE OBSh □ OBSh □ p,p'-OXYBISBENZENE DISULFONYLHYDRAZIDE □ OXYBISBENZENESULFONIC ACID DIHYDRAZIDE □ p,p'-OXYBIS(BENZENESULFONYL)HYDRAZINE

TOXICITY DATA with REFERENCE:

mma-sat 800 µg/plate NEZAAQ 33,474,78

mno-sat 400 µg/plate NEZAAQ 33,474,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: ACGIH TWA: TLV 0.1 mg/m³

DOT CLASSIFICATION: 4.1; Label: Flammable Solid
SAFETY PROFILE: Mutation data reported. A flammable solid. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

OPE030 CAS: 6863-58-7 HR: 3
2,2'-OXYBISBUTANE

mf: C₈H₁₈O mw: 130.26

SYNS: BIS(2-BUTYL)ETHER □ BUTANE, 2,2'-OXYBIS-(9CI) □ sec-BUTYL ETHER □ DI-sec-BUTYL ETHER

TOXICITY DATA with REFERENCE:

ihl-mus LC50:130 g/m³/15M ANESAV 11,455,50

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: Low toxicity by inhalation. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

OPE040 CAS: 6334-96-9 HR: 2
1,1'-OXYBIS(4-CHLOROBUTANE)

mf: C₈H₁₆Cl₂O mw: 199.14

SYNS: BIS-(4-CHLOROBUT-1-YL)-ETHER □ BIS(4-CHLOROBUTYL) ETHER □ BUTANE, 1,1'-OXYBIS(4-CHLORO-(9CI) □ 4,4'-DICHLORODIBUTYL ETHER □ ETHER, BIS(4-CHLOROBUTYL) □ 1,1'-OXYDI-4-CHLOROBUTANE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1210 mg/kg ZHYGAM 26,17,80

ipr-mus LD50:>100 mg/kg CJCHAG 35,141,57

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of Cl⁻.

OPE100 CAS: 74007-80-0 HR: 3
OXYBIS(DIBUTYL(2,4,5-TRICHLOROPHENOXY)TIN)

mf: C₂₈H₄₀Cl₆O₃Sn₂ mw: 874.76

SYNS: 1,3-BIS(2,4,5-TRICHLOROPHENOXY)-1,1,3,3-TETRABUTYLDISTANNOXANE □ DISTANNOXANE, 1,3-BIS(2,4,5-TRICHLOROPHENOXY)-1,1,3,3-TETRABUTYL- □ STANNANE, OXYBIS(DIBUTYL(2,4,5-TRICHLOROPHENOXY))-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#03082

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg/m³ (skin)

NIOSH REL: (Organotin Compound):10H TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of Sn and Cl⁻.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Organotin Compounds 5504.

OPG000 HR: 3
OXYBIS(N,N-DIMETHYLACETAMIDETRI-PHENYLSTIBONIUM) DIPERCHLORATE

mf: C₄₄H₅₀Cl₂N₂O₁₁Sb mw: 940.10

CONSENSUS REPORTS: Antimony and its compounds are on The Community Right-To-Know List.

SAFETY PROFILE: Many antimony compounds are poisons. A very unstable explosive. When heated to decomposition it emits very toxic fumes of Sb, Cl⁻, and NO_x. See also PERCHLORATES and ANTIMONY COMPOUNDS.

OPG050 CAS: 64253-30-1 HR: D
**OXYBIS(2,1-ETHANEDIYLOXY-2,1-ETHANEDI-
 YL) 3-(DODECYLTHIO)PROPANOATE**

mf: C₃₈H₇₄O₇S₂ mw: 707.24

SYNS: PROPANOIC ACID, 3-(DODECYLTHIO)-, OXYBIS(2,1-ETHANEDIYLOXY-2,1-ETHANEDIYL) ESTER □ WINGSTAY SN 1

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of SO_x.

OPG100 CAS: 53061-10-2 HR: 3
**1,1'-(OXYBIS(METHYLENESULFONYL))BIS(2-
 CHLOROETHANE)**

mf: C₆H₁₂Cl₂O₅S₂ mw: 299.20

SYNS: BIS(2-CHLOROETHYLSULFONYLMETHYL)ETHER □ ETHANE, 1,1'-(OXYBIS(METHYLENESULFONYL))BIS(2-CHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:168 mg/kg NTIS** OTS0534341

ipr-rat LD50:1 mg/kg NTIS** OTS0534341

orl-mus LD50:100 mg/kg NTIS** OTS0534341

ipr-mus LD50:5 mg/kg NTIS** OTS0534341

skn-gpg LD50:>1 g/kg NTIS** OTS0534341

SAFETY PROFILE: A poison by ingestion and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of SO_x and Cl⁻.

OPI200 HR: 2
**2,2'-OXYBIS(6-OXABICYCLO(3.1.0)HEXANE)
 mixed with 2,2-BIS(p-(2,3-EPOXYPROPO-
 XY)PHENYL)PROPANE**

SYNS: ARALDITE 6010 mixed with ERR 4205 (1:1) □ BIS(2,3-EPOXYCYCLOPENTYL) ETHER mixed with DIGLYCIDYL ETHER of BISPHENOL A (1:1) □ 2,2-BIS(p-(2,3-EPOXYPROPOXY)PHENYL)PROPANE mixed with 2,2'-OXYBIS(6-OXABICYCLO(3.1.0)HEXANE) □ DIGLYCIDYL ETHER of BISPHENOL A mixed with BIS(2,3-EPOXYCYCLOPENTYL) ETHER (1:1) □ EPI-REZ 508 mixed with ERR 4205 (1:1) □ EPON 828 mixed with ERR 4205 (1:1) □ ERR 4205 mixed with ARALDITE 6010 (1:1) □ ERR 4205 mixed with EPI-REZ 508 (1:1) □ ERR 4205 mixed with EPON 828 (1:1)

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

OPI300 CAS: 5987-82-6 HR: 3
OXYBUPROCAINE HYDROCHLORIDE

mf: C₁₇H₂₈N₂O₃•ClH mw: 344.93

PROP: A solid. Mp: 155°. Very sol in H₂O, CHCl₃; insol in Et₂O.

SYNS: BENOXIL □ BENOXINATE HYDROCHLORIDE □ CEBESINE □ CONJUNCAIN □ DORSACAINE □ DORSACAINE HYDROCHLORIDE □ LACRIMIN □ NOVESIN □ NOVESINE

TOXICITY DATA with REFERENCE:

scu-rat LD50:60 mg/kg NIIRDN 6,154,82

scu-mus LD50:42,500 µg/kg NIIRDN 6,154,82

SAFETY PROFILE: Poison by subcutaneous route. A topical anesthetic. When heated to decomposition it emits toxic fumes of NO_x and HCl.

OPK000 CAS: 1508-65-2 HR: 3
OXYBUTYNIN CHLORIDE

mf: C₂₂H₃₁NO₃•ClH mw: 394.00

PROP: Crystals. Mp: 129–130°.

SYNS: 4-DIETHYLAMINO-2-BUTYNYLPHENYL(CYCLO-HEXYL)GLYCOLATE HYDROCHLORIDE □ DITROPAN □ MJ 4309-1 □ OXIBUTININA HYDROCHLORIDE □ α-PHENYL-CYCLOHEXANEGLYCOLIC ACID 4-(DIETHYLAMINO)-2-BUTYNYLESTER HYDROCHLORIDE □ TROPAX

TOXICITY DATA with REFERENCE:

eye-rbt 1% OYAA2 27,931,84

orl-wmn TDLo:2 mg/kg:EYE,CVS HETOEA 10,225,91

orl-rat LD50:460 mg/kg IYKEDH 19,735,88

ipr-rat LD50:223 mg/kg IYKEDH 19,735,88

scu-rat LD50:740 mg/kg IYKEDH 19,735,88

ivn-rat LD50:61 mg/kg IYKEDH 19,735,88

orl-mus LD50:725 mg/kg AIPTAK 156,467,65

ipr-mus LD50:185 mg/kg AIPTAK 156,467,65

ivn-mus LD50:42 mg/kg CSLNX* NX#11090

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. An eye irritant. Human systemic effects: coma, mydriasis, rate changes. An anticholinergic agent. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

OPK250 CAS: 1634-78-2 HR: 3
OXYCARBOPHOS

mf: C₁₀H₁₉O₇PS mw: 314.32

PROP: Colorless oily liquid. D: 1.235 g/cm³ @ 21°, bp: 114° @ 0.0975 mm Hg. Sol in water: 5–10 mg/mL @ 22°.

SYNS: CARBETHOXY MALAOXON □ S-(1,2-DIETHOXY-CARBONYL)ETHYL O,O-DIMETHYL PHOSPHOROTHIOATE □ ((DIMETHOXYPHOSPHINYL)THIO)-BUTANEDIOIC ACID DIETHYL ESTER (9CI) □ O,O-DIMETHYL-S-1,2-BIS(ETHOXY-CARBONYL)ETHYL PHOSPHOROTHIOATE □ O,O-DIMETHYL-S-(1,2-DICARBETHOXY)ETHYL PHOSPHOROTHIOATE □ O,O-DIMETHYL ESTER PHOSPHOROTHIOIC ACID-S-ESTER with 1,2-BIS(METHOXYCARBONYL)ETHANETHIOL □ LIROMAT □ MALAOXON □ MALAOXONE □ MALATHION-O-ANALOG □ NCI-C08628 □ SUCCINIC ACID, MERCAPTO-, DIETHYL ESTER, S-ESTER with O,O-DIMETHYLPHOSPHOROTHIOATE

TOXICITY DATA with REFERENCE:

sce-ham:ovr 100 µmol/L JTEHD6 8,939,81

orl-rat LD50:158 mg/kg TXAPA9 9,408,66

ipr-rat LD50:17,500 µg/kg CJPPA3 45,621,67

CONSENSUS REPORTS: NCI Carcinogenesis

Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-135,79

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and PO_x.

**OPK275 CAS: 27304-13-8 HR: 3
OXYCHLORDANE**mf: $C_{10}H_4Cl_8O$ mw: 423.74**SYNS:** 4,7-METHANOINDAN, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3-EPOXY-3A,4,7,7A-TETRAHYDRO-, EXO,ENDO- □ 4,7-METHANOINDAN, 3A,4,7,7A-TETRAHYDRO-2,3-EPOXY-1,2,4,5,6,7,8,8-OCTACHLORO-, EXO,ENDO- □ OCTACHLOR EPOXIDE □ OXYCHLORDAN □ 3A,4,7,7A-TETRAHYDRO-1,2-EPOXY-4,5,6,7,8,8-HEXACHLORO-4,7-METHANOINDAN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:457 mg/kg NTIS** PB85-143766

orl-mus LD50:40 mg/kg JAFCAU 21,113,73

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of Cl^- .**OPK300 CAS: 485-89-2 HR: 1
OXYCINCHOPHEN**mf: $C_{16}H_{11}NO_3$ mw: 265.28**PROP:** Minute, deep yellow prisms from alc. Mp: 218–219° (decomp). Sol in acetic acid, alkalis, hot alc, benzene; sparingly sol in water, ether.**SYNS:** CHINOXONE □ FENIDRONE □ HPC □ 3-HYDROXY-CINCHOPEN □ HYDROXYCINCHOPHENE □ 3-HYDROXY-2-PHENYLCINCHONINIC ACID □ 3-HYDROXY-2-PHENYL-4-QUINOLINECARBOXYLIC ACID □ MAGNOFENYL □ MAGNOPHENYL □ OXINOFEN □ REUMALON □ REUMATRIL □ SINTOFENE**TOXICITY DATA with REFERENCE:**

orl-dog LD50:>5 mg/kg PEMNDP 9,643,91

skn-rbt LD50:>10 g/kg PEMNDP 9,643,91

SAFETY PROFILE: Low toxicity by ingestion and skin contact. When heated to decomposition it emits toxic fumes of NO_x .**OPM000 CAS: 101-80-4 HR: 3
4,4'-OXYDIANILINE**mf: $C_{12}H_{12}N_2O$ mw: 200.26**PROP:** Colorless crystals. Mp: 187°, bp: >300°.**SYNS:** p-AMINOPHENYL ETHER □ 4-AMINOPHENYL ETHER □ BIS(p-AMINOPHENYL)ETHER □ BIS(4-AMINOPHENYL)-ETHER □ DADPE □ 4,4'-DIAMINOBIIPHENYLOXIDE □ DIAMINODIPHENYL ETHER □ p,p'-DIAMINODIPHENYL ETHER □ 4,4'-DIAMINODIPHENYL ETHER □ 4,4'-DIAMINO-DIPHENYL OXIDE □ 4,4'-DIAMINOPHENYL ETHER □ NCI-C50146 □ OXYBIS(4-AMINO BENZENE) □ p,p'-OXYBIS-(ANILINE) □ 4,4'-OXYBISANILINE □ 4,4'-OXYBISBENZEN-AMINE □ OXYDIANILINE □ p,p'-OXYDIANILINE □ 4,4'-OXYDIPHENYLAMINE □ OXYDI-p-PHENYLENEDIAMINE**TOXICITY DATA with REFERENCE:**

mmo-sat 250 µg/plate MUREAV 67,123,79

mma-sat 10 µg/plate MUREAV 143,11,85

dnd-rat-ipr 3640 µmol/kg CRNGDP 2,1317,81

orl-rat LD50:725 mg/kg HYSAAV 33,137,68

ipr-rat LD50:365 mg/kg HYSAAV 33,137,68

orl-mus LD50:685 mg/kg HYSAAV 33,137,68

ipr-mus LD50:300 mg/kg HYSAAV 33,137,68

orl-rbt LD50:700 mg/kg HYSAAV 33,137,68

ipr-rbt LD50:650 mg/kg HYSAAV 33,137,68

orl-gpg LD50:650 mg/kg 85GMAT -,43,82

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 29,203,82;

Animal Inadequate Evidence IMEMDT 16,301,78. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-205,80. Reported in EPA TSCA Inventory.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**OPO000 CAS: 106-75-2 HR: 2
OXYDIETHYLENE BIS(CHLOROFORMATE)**mf: $C_6H_8Cl_2O_5$ mw: 231.04**SYNS:** CARBONOCHLORIDIC ACID, OXYDI-2,1-ETHANEDIYL ESTER □ DIETHYLENE GLYCOL, BISCHLOROFORMATE □ FORMIC ACID, CHLORO-, OXYDIETHYLENE ESTER □ OXYDIETHYLENE CHLOROFORMATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:813 mg/kg 37ASAA 4,758,78

ihl-mus LD50:169 ppm/1H 37ASAA 4,758,78

skn-mus LD50:3400 mg/kg 37ASAA 4,758,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: Poison, Corrosive**SAFETY PROFILE:** Moderately toxic by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic fumes of Cl^- .**OPO100 CAS: 3852-72-0 HR: 3
1,1'-(OXYDIETHYLENE)BIS(4-FORMYL-PYRIDINIUM BROMIDE), DIOXIME**mf: $C_{16}H_{20}N_4O_3 \cdot 2Br$ mw: 476.22**SYNS:** 1,5-BIS(4-ALDOXIMINOPYRIDINIUM)DIETHYLETER BIBROMIDE □ DIAETHYLAETHER-β,β'-(4-HYDROXYLIMINO-FORMYLPYRIDINIUM)-DIBROMID □ PRO 46AE □ PYRIDINIUM, 1,1'-(OXYDIETHYLENE)BIS(4-FORMYL-, DIBROMIDE, DIOXIME □ PYRIDINIUM, 1,1'-(OXYDI-2,1-ETHANEDIYL)BIS(4-((HYDROXYIMINO)METHYL)-, DIBROMIDE □ R 1**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:23 mg/kg EXPEAM 19,628,1963

ivn-mus LD50:13,500 µg/kg ARZNAD 14,870,1964

SAFETY PROFILE: A poison by intraperitoneal and intravenous route. When heated to decomposition it emits toxic vapors of NO_x and Br^- .**OPQ000 CAS: 62912-51-0 HR: 3
(N,N'-OXYDIETHYLENEDIOXYDIETHYLENE)-BIS(TRIETHYLAMMONIUM IODIDE)**mf: $C_{20}H_{46}N_2O_3 \cdot I_2$ mw: 616.48**TOXICITY DATA with REFERENCE:**

orl-mus LD50:400 mg/kg FRPSAX 32,129,77

ipr-mus LD50:8 mg/kg FRPSAX 32,129,77

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of I^- , NH_3 , and NO_x . See also IODIDES.**OPQ100 CAS: 13752-51-7 HR: D**

N-OXYDIETHYLENE THIOCARBAMYL-N-OXYDIETHYLENE SULFENAMIDEmf: $C_9H_{16}N_2O_2S_2$ mw: 248.39

SYNS: ACCELERATOR OTOS □ CURE-RITE 18 □ MORPHOLINE, 4-((4-MORPHOLINYLTHTIO)THIOXOMETHYL)-(9CI) □ 4-((MORPHOLINTHIOCARBONYL)THIO)MORPHO-LINE □ MORPHOLINE, 4-((MORPHOLINTHIOCARBONYL)-THIO)- □ 4-((4-MORPHOLINYLTHTIO)THIOXOMETHYL)-MORPHOLINE □ OTOS

TOXICITY DATA with REFERENCE:

dnr-esc 100 µg/plate ENMUDM 5,193,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and SO_x .

OPQ200 CAS: 33453-96-2 HR: 3 OXYDIMETHANOL DINITRATEmf: $C_2H_4N_2O_7$ mw: 168.08

SYNS: α - α' -DI-(NITROXY)METHYL ETHER (DOT) □ METHANOL, OXYDI-, DINITRATE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden from transport. When heated to decomposition it emits toxic vapors of NO_x .

OPY000 CAS: 73873-83-3 HR: 3 1,1'-(OXYDIMETHYLENE)BIS(4-FORMYL-PYRIDINIUM) DINITRATE DIOXIMEmf: $C_{14}H_{16}N_4O_3 \cdot N_2O_6$ mw: 412.36

SYN: LUH6-DINITRAT (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:180 mg/kg ARZNAD 14,5,64

ivn-mus LD50:139 mg/kg ARZNAD 14,5,64

ims-mus LD50:225 mg/kg ARZNAD 14,5,64

SAFETY PROFILE: Poison by intraperitoneal, intravenous, and intramuscular routes. When heated to decomposition it emits toxic fumes of NO_x . See also NITRATES and OXIMES.

OQI000 CAS: 1965-09-9 HR: 3 4,4'-OXYDIPHENOLmf: $C_{12}H_{10}O_3$ mw: 202.22

PROP: Plates from H_2O . Mp: 164–165°.

SYN: p,p'-OXYDIPHENOL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:150 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes.

OQM000 CAS: 110-98-5 HR: 2 1,1'-OXYDI-2-PROPANOLmf: $C_6H_{14}O_3$ mw: 134.20

PROP: Colorless, sltly viscous liquid; nearly odorless. Bp: 231.8°, flash p: 280°F (OC), d: 1.0252 @ 20°/20°, vap press: 1 mm @ 73.8°, vap d: 4.63.

SYNS: 2,2'-DIHYDROXYDIPROPYL ETHER □ 2,2'-DIHYDROXYISOPROPYL ETHER □ DIPROPYLENE GLYCOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 16,637,78

eye-rbt 510 mg AJOPAA 29,1363,46

orl-rat LD50:14,850 mg/kg 34ZIAG -,731,69

ipr-rat LD50:10 g/kg FCTXAV 16,637,78

ivn-rat LD50:5800 mg/kg AMIHBC 3,448,51

ipr-mus LD50:4494 mg/kg FEPRA7 6,342,47

ivn-dog LD50:11,500 mg/kg FCTXAV 16,637,78

orl-gpg LD50:17,600 mg/kg GWXXBX #2703360

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin and eye irritant. Mutation data reported. Combustible when exposed to heat or flame, can react vigorously with oxidizing materials. To fight fire, use alcohol foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

OQO000 CAS: 36788-39-3 HR: 1 OXYDIPROPANOL PHOSPHITE (3:1)mf: $C_{18}H_{39}O_9P$ mw: 430.54

SYNS: PHOSPHINE, TRIS(DIPROPYLENE GLYCOL)- □ PHOSPHOROUS ACID, TRIS(DIPROPYLENE GLYCOL) ESTER □ TRIS(DIPROPYLENE GLYCOL)PHOSPHINE □ TRIS(DIPROPYLENE GLYCOL)PHOSPHONATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:19,700 mg/kg AIHAAP 30,470,69

skn-rbt LD50:16 g/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of PO_x .

OQQ000 CAS: 1656-48-0 HR: 2 3,3'-OXYDIPROPIONITRILEmf: $C_6H_8N_2O$ mw: 124.16

PROP: Colorless liquid. Mp: -26.3°, bp: 172° @ 10 mm, d: 1.041 @ 30°.

SYNS: β,β' -DICYANODIETHYL ETHER □ ETHER, BIS(2-CYANOETHYL) □ β,β' -OXYDIPROPIONITRILE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,917,86

eye-rbt 500 mg AMIHBC 10,61,54

orl-rat LD50:2830 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Cyanide and its compounds are on The Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x and CN^- . See also NITRILES.

OQS000 CAS: 2497-07-6 HR: 3 OXYDISULFOTONmf: $C_8H_{19}O_3PS_3$ mw: 290.42

PROP: Liquid.

SYNS: BAY 23323 □ O,O-DIETHYL-S-((ETHYLSULFINYL)-ETHYL)PHOSPHORODITHIOATE □ O,O-DIETHYL S-(2-(ETHYLSULFINYL)ETHYL) PHOSPHORODITHIOATE □

DISULFOTON DISULIDE □ DISULFOTON SULFOXIDE □
DISYSTON SULFOXIDE □ ETHYLTHIOMETON SULFOXIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3500 µg/kg FMCHA2 -,D111,80
skn-rat LD50:192 mg/kg FMCHA2 -,D111,80
orl-mus LD50:12 mg/kg OYYAA2 2,397,68
skn-mus LD50:263 mg/kg OYYAA2 2,397,68

CONSENSUS REPORTS: A Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion and skin contact. When heated to decomposition it emits very toxic fumes of SO_x and PO_x.

OQU000 CAS: 16648-69-4 HR: 3
1-OXYFEDRIN

mf: C₁₉H₂₃NO₃•ClH mw: 349.89

PROP: Crystals from methanol. Mp: 190–193°.

SYNS: 1-(1-HYDROXY-1-PHENYL-2-PROPYLAMINO)-1-(m-METHOXYPHENYL)-1-PROPANONE HYDROCHLORIDE □ 1-(3-METHOXY-ω-(1-HYDROXY-1-PHENYLISOPROPYL-AMINO)PROIOPHENONE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg ARZNAD 17,1478,67
ipr-rat LD50:92 mg/kg ARZNAD 17,1478,67
ivn-rat LD50:46 mg/kg ARZNAD 17,1478,67
orl-mus LD50:510 mg/kg ARZNAD 17,1478,67
ipr-mus LD50:95 mg/kg ARZNAD 17,1478,67
ivn-mus LD50:29 mg/kg RPTOAN 38,199,75
ivn-dog LD50:50 mg/kg ARZNAD 17,1478,67
ivn-cat LD50:21 mg/kg ARZNAD 17,1478,67
orl-gpg LD50:340 mg/kg ARZNAD 17,1478,67
ipr-gpg LD50:83 mg/kg ARZNAD 17,1478,67

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

OQU100 CAS: 42874-03-3 HR: D
OXYFLUORFEN

mf: C₁₅H₁₁ClF₃NO₄ mw: 361.72

PROP: Orange crystal solid. Sol in water and most solids.

SYNS: 2-CHLORO-1-(3-ETHOXY-4-NITROPHENOXY)-4-(TRIFLUOROMETHYL)BENZENE □ 2-CHLORO-α-α-α-TRIFLUORO-P-TOLYL-3-ETHOXY-4-NITROPHENYL ETHER □ GOAL □ KOLTAR □ OXYFLUORFENE □ RH-2915

SAFETY PROFILE: When heated to decomposition emits toxic fumes of Cl⁻, F⁻, and NO₂.

OQW000 CAS: 7782-44-7 HR: 3
OXYGEN

DOT: UN 1072/UN 1073

mf: O₂ mw: 32.00

PROP: Colorless, odorless, tasteless gas, liquid, or hexagonal crystals. Condenses to paramagnetic blue liquid and blue solid. Reacts with all elements except He, Ne, Ar. Supports combustion. D: (liquid) 1.14 @ -183.0°, d: (solid) 1.426 @ -252.5°, vap d: 1.429 @ 0°. D: (gas) 1.429 g/L @ 0°, mp: -218.4°, bp: -182.96°. Very sltly sol in H₂O; more sol in org solvs.

SYNS: OXYGEN, compressed (UN 1072) (DOT) □ OXYGEN, refrigerated liquid (cryogenic liquid) (UN 1073) (DOT)

TOXICITY DATA with REFERENCE:

cyt-ham:lng 80 pph MUREAV 57,27,78

cyt-ham:lng 80 pph ACATA5 94,520,76

ihl-hmn TCLo:100 pph/14H:PUL JAMAAP 128,710,45

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas, Oxidizer

SAFETY PROFILE: Human systemic effects by inhalation: cough and other pulmonary changes. Human teratogenic effects by inhalation: developmental abnormalities of the fetal cardiovascular system. Mutation data reported. Not toxic as gas. In liquid form it can cause severe “burns” and tissue damage on contact with the skin due to extreme cold.

An oxidant. Though itself nonflammable, it is essential to combustion. Even a slight increase in the oxygen content of the air above the normal 21% greatly increases the oxidation or burning rate (and the hazard) of many materials. Exclusion of O₂ from the neighborhood of a fire is one of the principal methods of extinguishment. Avoid smoking, flames, electric sparks. Liquid O₂ can explode on contact with readily oxidizable materials, especially at high temperatures. Under the proper conditions of temperature, pressure, and reagent concentration it can react violently with acetaldehyde, acetylene, acetone, secondary alcohols (e.g., 2-propanol, 2-butanol) aluminum, Al(BH₄)₃, AlH₃, aluminum-titanium alloys, alkali metals (lithium, cesium, potassium, rubidium, sodium, potassium), ammonia, ammonia + platinum, asphalt, CCl₄, chlorinated hydrocarbons, cyanogen, barium, benzene, 1,4-benzenediol + 1-propanol, benzoic acid, Be(BH₄)₂, biological materials + ether, BAs₂Br₃, B₂H₁₀, B₂H₆, boron tribromide, boron trichloride, bromine + chlorotrifluoroethylene, butane + Ni(CO)₄, carbon disulfide, carbon disulfide + mercury + anthracene, carbon monoxide, CsH, calcium, calcium phosphide, copper + hydrogen sulfide, C₁₀H₁₄, cyclohexane-1,2-dione bis(phenylhydrazine), cyclooctatetraene, diborane, diboron tetrafluoride, dimethoxymethane, dimethylketene, dimethyl sulfide, diphenyl ethylene, disilane, ethers (e.g., diethyl ether, diisopropyl ether, tetrahydrofuran, dioxane, ethyl ether), fibrous fabrics, fluorine + hydrogen, fuels, germanium, glycerol, halocarbons (e.g., 1,1,1-trichloroethane, trichloroethylene, chlorotrifluoroethylene, bromotrifluoroethylene), hydrazine, hydrocarbons (e.g., 1,1-diphenylethylene, gasoline, cyclohexane, ethylene, cumene, p-xylene, but-3-yne), hydrocarbons + promoters (e.g., methyl nitrate, nitromethane, ethyl nitrate, tetrafluorohydrazine), hydrogen, hydrogen sulfide, lithiated dialkyl nitrosoamines, magnesium, metals, metal hydrides (e.g., sodium hydride, uranium hydride, lithium hydride, potassium hydride, rubidium hydride, cesium hydride, magnesium hydride), methane, methoxycyclooctatetraene, 4-methoxytoluene, Ni(CO)₄ + butane, nonmetal hydrides (e.g., diborane, tetraborane(10), phosphine, pentaborane(11), pentaborane(9), decaborane(14), aluminum tetrahydroborate), oil films, organic matter, (OF₂ + H₂O), phosphorus, phosphorus tribromide, phosphorus trifluoride, phosphorus(III) oxide, polymers [e.g., foam rubber, neoprene, polytetrafluoroethylene (teflon)], polytetrafluoroethylene + stainless steel, polyurethane, polyvinyl chloride, propylene oxide, K₂O₂, rhenium, trirhenium nonachloride,

rubber + ozone, rubberized fabric, selenium, NaH, sodium hydroxide + tetramethyldisiloxane, strontium, tetracarbonylnickel, tetracarbonylnickel + mercury, tetrafluoroethylene, tetrafluorohydrazine, tetrasilane, titanium and alloys, trisilane, CH_2Cl_2 , oil, paraformaldehyde, wood, charcoal. Compressed O_2 is shipped in steel cylinders under high pressure. If these containers are broken due to shock or exposed to high temperature, an explosion and fire may result.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Oxygen (field-readable) 6601.

ORA000 CAS: 7783-41-7 HR: 3
OXYGEN DIFLUORIDE
DOT: UN 2190

mf: F_2O mw: 54.00

PROP: Colorless gas or yellowish-brown liquid. Stable to 2° . Stable in dry glass vessels. Reacts with Hg, but is less reactive than Cl_2O . D: (liquid) 1.90 @ -224° , mp: -223.8° , bp: -144.8° . Sltly sol in water. IDLH 0.5 ppm.

SYNS: FLUORINE MONOXIDE □ FLUORINE OXIDE □ OXYGEN FLUORIDE

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:500 ppb:PUL 34ZIAG -,444,69

ihl-rat LC50:136 ppm/1H AIHAAP 33,661,72

ihl-mus LC50:1500 ppb/1H AMRL** TR-70-77,70

ihl-dog LC50:26 ppm/1H AMRL** TR-70-77,70

OSHA PEL: CL 0.05 ppm

ACGIH TLV: CL 0.05 ppm

DOT CLASSIFICATION: 2.3; Label: Poison Gas, Oxidizer

SAFETY PROFILE: Poison by inhalation. Human systemic effects by inhalation: chronic pulmonary edema or congestion. A corrosive skin, eye, and mucous membrane irritant. Attacks lungs with delayed appearance of symptoms. A very powerful oxidizer. Must be kept away from contact with reducing agents. Explosive reaction with adsorbents (e.g., silica gel, alumina, molecular sieve), diborane, halogens + heat, metal halides, aluminum chloride, antimony pentachloride (at 150°C), tungsten + heat, hydrogen sulfide, liquid nitrogen oxide, nitrosyl fluoride, charcoal, sulfur tetrafluoride. Forms spark-sensitive explosive mixtures with water or combustible gases (e.g., carbon monoxide, hydrogen, methane). Ignites on contact with diborane tetrafluoride, nonmetals (e.g., red phosphorus, boron powder, silicon), phosphorus(V) oxide, nitrogen oxide gas. Incandescent reaction with metals (e.g., aluminum, barium, cadmium, magnesium, strontium, zinc, zirconium, lithium (above 400°C)), potassium (above 400°C), sodium. Incompatible with NH_3 , As_2O_3 , Cl_2 + Cu, CrO_3 , Ir, O_3 , O_2 + H_2O , Pd, Pt, Rh, Ru, SiO_2 . When heated to decomposition it emits highly toxic fumes of F^- . See also FLUORIDES.

ORA100 CAS: 1491-59-4 HR: 3
OXYMETHAZOLINE

mf: $\text{C}_{16}\text{H}_{24}\text{N}_2\text{O}$ mw: 260.42

PROP: Crystals from C_6H_6 . Mp: $181-183^\circ$. Insol in Et_2O , CHCl_3 , and C_6H_6 .

SYNS: 6-t-BUTYL-3-(2-IMIDAZOLIN-2-YLMETHYL)-2,4-DIMETHYLPHENOL □ NASIVINE □ OXYMETAZOLINE □

OXYMETOZOLINE □ PHENOL, 6-t-BUTYL-3-(2-IMIDAZOLIN-2-YLMETHYL)-2,4-DIMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 $\mu\text{g}/\text{kg}$ TXAPA9 18,185,71

scu-rat LD50:1100 $\mu\text{g}/\text{kg}$ TXAPA9 18,185,71

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x .

ORE000 CAS: 3176-03-2 HR: 3
OXYMETHEBANOL

mf: $\text{C}_{19}\text{H}_{27}\text{NO}_4$ mw: 333.47

PROP: A solid. Mp: $165.5-166.5^\circ$. Sol in Me_2CO , C_6H_6 ; sltly sol in H_2O and Et_2O .

SYNS: DIHYDRO-14-HYDROXY-4- α -METHYL-6- β -THEBAINOL □ DIHYDRO-14-HYDROXY-6- β -THEBAINOL 4 METHYL ESTER □ 6- β ,14-DIHYDROXY-3,4-DIMETHOXY-N-METHYLMORPHINAN □ 3,4-DIMETHOXY-17-METHYLMORPHINAN-6- β ,14-DIOL □ DROTEBANOL □ 14-HYDROXYDIHYDRO-6- β -THEBAINOL 4-METHYL ETHER □ 14-HYDROXY-6- β -THEBAINOL 4-METHYL ETHER □ METEBANYL □ OXYMETEBANOL □ RAM-326

TOXICITY DATA with REFERENCE:

scu-rat LD50:120 mg/kg NIIRDN 6,156,82

ivn-rat LD50:122 mg/kg NIIRDN 6,156,82

orl-mus LD50:697 mg/kg NIIRDN 6,156,82

scu-mus LD50:1150 mg/kg CPBTAL 19,1,71

ivn-mus LD50:91 mg/kg ARZNAD 20,43,70

scu-gpg LD50:919 mg/kg ARZNAD 20,43,70

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion. An antitussive agent. When heated to decomposition it emits toxic fumes of NO_x . See also ESTERS.

ORG000 CAS: 67-47-0 HR: 2
5-OXYMETHYLFURFUROLE

mf: $\text{C}_6\text{H}_6\text{O}_3$ mw: 126.12

PROP: Needles. Mp: $35-35.5^\circ$, bp: 110° @ 2 mm.

SYNS: HMF □ 5-HYDROXYMETHYLFURALDEHYDE □ 5-(HYDROXYMETHYL)-2-FURANCARBOXALDEHYDE □ 5-(HYDROXYMETHYL)FURFURAL □ HYDROXYMETHYLFURFUROLE

TOXICITY DATA with REFERENCE:

mno-sat 165 nmol/plate DFSCDX 13,353,86

dnr-bcs 2500 $\mu\text{g}/\text{disc}$ DFSCDX 13,353,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.

ORG100 CAS: 357-07-3 HR: 3
OXYMORPHINONE HYDROCHLORIDE

mf: $\text{C}_{17}\text{H}_{19}\text{NO}_4 \cdot \text{ClH}$ mw: 337.83

PROP: Yellowish-tan powder. Odorless. Insol in water.

SYNS: 4,5- α -EPOXY-3,14-DIHYDROXY-17-METHYLMORPHINAN-6-ONE HYDROCHLORIDE □ MORPHINAN-6-ONE, 3,14-DIHYDROXY-4,5- α -EPOXY-17-METHYL-, HYDROCHLORIDE □ MORPHINAN-6-ONE, 4,5-EPOXY-3,14-DIHYDROXY-17-METH-

YL-, HYDROCHLORIDE, (5- α)- (9CI) \square NUMORPHAN HYDROCHLORIDE \square OXYMORPHONE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:402 mg/kg THERAP 15,1208,60

ipr-mus LD50:301 mg/kg THERAP 15,1208,60

scu-mus LD50:285 mg/kg THERAP 15,1208,60

ivn-mus LD50:185 mg/kg THERAP 15,1208,60

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x and HCl.

ORI300 CAS: 11005-02-0 HR: 3
OXYPANAMINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:30 mg/kg JPETAB 125,73,59

orl-mus LD50:600 mg/kg JPETAB 125,73,59

ipr-mus LD50:13,900 μ g/kg JPETAB 125,85,59

ivn-mus LD50:3300 μ g/kg JPETAB 125,73,59

ivn-dog LDLo:1 mg/kg JPETAB 125,73,59

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. See also AMINES.

ORI400 CAS: 17297-82-4 HR: 3
OXYPENDYL HYDROCHLORIDE

mf: C₂₀H₂₆N₄OS•2ClH mw: 443.48

SYNS: D 704 \square 10-(3-(4-OXYAETHYL-PIPERAZINO)PROPYL-(1))-4-AZAPHENTHAZIN DIHYDROCHLORID \square 1-PIPER-AZINEETHANOL, 4-(3-(10H-PYRIDO(3,2-B)(1,4)BENZOTHAZIN-10-YL)PROPYL)-,DIHYDROCHLORIDE \square 10-(3'-(1"- β -HYDROXY-ETHYL-4"-PIPERAZINYL)-PROPYL)-THIOPHENYL-PYRIDYAMINE HYDROCHLORIDE \square PERVETRAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1610 mg/kg 27ZQAG-,273,1972

ipr-rat LD50:185 mg/kg 27ZQAG-,273,1972

orl-mus LD50:735 mg/kg 27ZQAG-,273,1972

ipr-mus LD50:139 mg/kg ARZNAD 18,435,1968

scu-mus LD50:352 mg/kg 27ZQAG-,273,1972

ivn-mus LD50:75 mg/kg 27ZQAG-,273,1972

SAFETY PROFILE: A poison by intravenous, intraperitoneal and subcutaneous routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.

ORQ000 CAS: 50-10-2 HR: 3
OXYPHENONIUM BROMIDE

mf: C₂₁H₃₄NO₃•Br mw: 428.47

PROP: A solid. Mp: 189–194°. Sltly sol in EtOH; sol in H₂O.

SYNS: ANTRENIL \square ANTRENYL \square ANTRENYL BROMIDE \square DIETHYL(2-HYDROXYETHYL)METHYLAMMONIUM BROMIDE \square α -PHENYLCYCLOHEXANEGLYCOLATE \square ETHANAMINIUM, 2-((CYCLOHEXYLHYDROXYPHENYLACETYL)OXY)-N,N-DIETHYL-N-METHYL-, BROMIDE (9CI) \square METACIN \square METATSIN \square METHACIN \square OXIFENON \square OXYFENON \square OXYPHENON \square OXYPHENONIUM \square SPASMOPHEN

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:357 μ g/kg:CVS JPETAB 108,292,53

orl-rat LD50:995 mg/kg JPETAB 108,292,53

scu-rat LD50:786 mg/kg JPETAB 108,292,53

ivn-rat LD50:13,200 μ g/kg JPETAB 108,292,53

ims-rat LD50:400 mg/kg JPETAB 108,292,53

orl-mus LD50:400 mg/kg CLDND* 9,73,54

scu-mus LD50:350 mg/kg CLDND* 151,614,57

SAFETY PROFILE: Poison by ingestion, intramuscular, intraperitoneal, intravenous, and subcutaneous routes. Human systemic effects by ingestion: change in heart rate. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Br⁻.

ORS000 CAS: 39603-54-8 HR: 3
 β -OXYPROPYLPROPYLNITROSAMINE

mf: C₆H₁₂N₂O₂ mw: 144.20

SYNS: N-NITROSO-2-OXO-N-PROPYL-N-PROPYLAMINE \square 1-(NITROSOPROPYLAMINO)-2-PROPANONE \square 2-OXI-PROPYL-PROPYLNITROSAMINE (GERMAN) \square 2-OXO-PROPYL-PROPYLNITROSAMINE \square (2-OXOPROPYL)PROPYL-NITROSOAMINE

TOXICITY DATA with REFERENCE:

mma-sat 500 nmol/plate ZKKOBW 86,293,76

scu-ham TDLo:100 mg/kg/(14D preg):NEO,TER ZKKOBW 90,119,77

scu-rat LD50:424 mg/kg ZKKOBW 81,23,74

scu-mus LD50:603 mg/kg ZKKOBW 91,189,78

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Moderately toxic by subcutaneous route. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.

ORS050 CAS: 4562-27-0 HR: D
4-OXYPYRIMIDINE

mf: C₄H₄N₂O mw: 96.10

SYNS: DEAMINOISOCYTOSINE \square 4-HYDROXYPYRIMIDINE \square 6-HYDROXYPYRIMIDINE \square 4(1H)-PYRIMIDINONE \square 4-PYRIMIDINOL \square 4-PYRIMIDINONE \square 4-PYRIMIDONE

TOXICITY DATA with REFERENCE:

pic-esc 1 g/L ZAPOAK 12,583,1972

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

ORS100 CAS: 8028-45-3 HR: 1
OXYSTEARIN

PROP: Mixture of the glycerides of partially oxidized stearic and other fatty acids. Tan to light brown waxy solid; bland taste. Refr index: 1.465. Sol in ether, solvent hexane, chloroform.

unr-rat LD :>15 g/kg FAONAU 46A,155,69

SAFETY PROFILE: Low toxicity by an unspecified route. When heated to decomposition it emits acrid smoke and irritating fumes.

ORS200 CAS: 136-16-3 HR: 2
OXYTHIAMINE

mf: C₁₂H₁₆N₃O₂S mw: 266.37

SYNS: 5-(2-HYDROXYETHYL)-3-((4-HYDROXY-2-METHYL-5-PYRIMIDINYL)METHYL)-4-METHYLTHIAZOLIUM \square OXYTHIAMIN \square THIAZOLIUM, 5-(2-HYDROXYETHYL)-3-((4-HYDROXY-2-METHYL-5-PYRIMIDINYL)METHYL)-4-METHYL-

TOXICITY DATA with REFERENCE:

scu-mus LD50:1430 mg/kg PCJOAU 16,848,82

SAFETY PROFILE: Moderately toxic by subcutaneous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x.

ORU000 CAS: 2439-01-2 HR: 2**OXYTHIOQUINOX**mf: C₁₀H₆N₂OS₂ mw: 234.30**PROP:** Yellow crystals. Mp: 170°.

SYNS: BAYER 4964 □ BAYER 36205 □ CHINOMETHIONATE □ CYCLIC-S,S-(6-METHYL-2,3-QUINOXALINEDIYL) DITHIOCARBONATE □ ENT 25,606 □ ERADE □ ERAZIDON □ FORSTAN □ 6-METHYL-CHINOXALIN-2,3-DITHIOL-CYCLO-CARBONAT (GERMAN) □ 6-METHYL-1,3-DITHIOLO(4,5-b)QUINOXALIN-2-ONE □ 6-METHYL-2-OXO-1,3-DITHIOLO(4,5-b)QUINOXALINE □ 6-METHYL-2,3-QUINOXALINE DITHIOCARBONATE □ 6-METHYL-2,3-QUINOXALINEDITHIOL CYCLIC CARBONATE □ 6-METHYL-2,3-QUINOXALINE-DITHIOL CYCLIC DITHIOCARBONATE □ 6-METHYL-QUINOXALINE-2,3-DITHIOLCYCLOCARBONATE □ MORESTAN □ MORESTANE □ QUINOMETHIONATE □ SS 2074

TOXICITY DATA with REFERENCE:

orl-rat LD50:1100 mg/kg WRPCA2 9,119,70
 skn-rat LD50:500 mg/kg GUHAZ 6,387,73
 ihl-rat LC50:3 g/m³/4H PEMNDP 9,133,91
 skn-rat LD50:500 mg/kg GUHAZ 6,387,73
 ipr-rat LDLo:95 mg/kg TXAPA9 14,632,69
 orl-mus LDLo:1070 mg/kg AECTCV 14,111,85
 ipr-mus LD50:473 mg/kg JPETAB 173,60,70
 orl-gpg LD50:1500 mg/kg PCOC** -,769,66

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by intraperitoneal, ingestion, and skin contact routes. A pesticide. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ORU500 CAS: 50-56-6 HR: 3**OXYTOCIN**mf: C₄₃H₆₆N₁₂O₁₂S₂ mw: 1007.33**PROP:** White powder. Sol in water, 1-butanol, 2-butanol.

SYNS: ATONIN □ DI-SIPIDIN □ ENDOPITUITRINA □ α-HYPOPHAMINE □ NOBITOCIN □ ORASTHIN □ OXYSTIN □ PARTOCON □ PITOCIN □ PITON S □ POSTERIOR PITUITARY EXTRACT □ PRESOXIN □ SYNIPITAN □ SYNTHETIC OXYTOCIN □ SYNTOCIN □ SYNTOCINON □ SYNTOCINONE □ UTEDRIN □ UTERACON

TOXICITY DATA with REFERENCE:

ivn-mus LD50:5800 µg/kg NIIRDN 6,151,82

SAFETY PROFILE: Poison by intravenous route. Experimental reproductive effects. A pituitary hormone which stimulates uterine contraction and milk production. The principal uterus-contracting and lactation-stimulating hormone of the posterior pituitary gland. Note: Unlike vasopressin which occurs in at least two forms, oxytocin from beef and hog sources shows no difference in amino acid composition. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

ORU900 CAS: 12198-93-5 HR: 1**OZOKERITE**

PROP: Yellow-brown to black or green hydrocarbon wax found in irregular veins in sandstone. Used in making electrical insulation and polishes.

SYN: OZOCERITE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD JACTDZ 3(3),43,84

eye-rbt 100 mg MLD JACTDZ 3(3),43,84

SAFETY PROFILE: A skin and eye irritant.**ORW000 CAS: 10028-15-6 HR: 3****OZONE**mf: O₃ mw: 48.00

PROP: Blue or violet-black solid or unstable colorless gas or dark-blue liquid; characteristic odor at low concentration. Mp: -193°, bp: -111.9°, d: (gas) 2.144 g/L, 1.71 @ -183°, d: (liquid) 1.614 g/mL @ -195.4°. Sltly sol in water. IDLH 5 ppm.

SYNS: OZON (POLISH) □ TRIATOMIC OXYGEN**TOXICITY DATA with REFERENCE:**

eye-rbt 2 ppm/4H JPCAAC 10,17,60
 mmo-esc 100 ppb/20M MEHYDY 4,165,78
 dnr-esc 50 ppm/30M BBACA9 77,220,77
 dnd-omi 3300 nmol/L BBACA9 655,323,81
 dlt-oin-ihl 30 ppm/3H-C ENMUDM 4,657,82
 sce-hmn:lng 250 ppb/1H-C ENVRAL 18,336,79
 cyt-hmn:leu 7230 ppb/36H ENVRAL 12,188,76
 dni-ham:lng 2 ppm/1H JTEHD6 17,119,86
 cyt-ham-ihl 200 ppb/5H ENVRAL 4,262,71
 cyt-rat-ihl 28 mg/m³/5D-C GISAAA 44(9),12,79
 ihl-hmn LCLo:50 ppm/30M 34ZIAG -,446,69
 ihl-hmn TCLo:100 ppm/1M:SKN,PUL NEACA9 19,686,41
 ihl-man TCLo:1860 ppb/75M:EYE,CVS,PUL AEHLAU 10,517,65
 ihl-hmn TCLo:1 ppm:PUL AEHLAU 10,295,65
 ihl-hmn TCLo:600 ppb/2H:PUL ARDSBL 118,287,78
 ihl-rat LC50:4800 ppm/4H AMIHAB 15,181,57
 ihl-mus LC50:12,600 ppb/3H FEPA7 16,22,57
 ihl-cat LC50:34,500 ppb/3H IMSUAI 25,301,56
 ihl-rbt LC50:36 ppm/3H IMSUAI 25,301,56
 ihl-gpg LC50:24,800 ppb/3H IMSUAI 26,63,57

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.1 ppm; STEL 0.3 ppm

ACGIH TLV: TWA 0.05 ppm (heavy work), 0.08 ppm (moderate work), 0.10 (light work); all workloads < 2 hours 20 ppm; Not Classifiable as a Human Carcinogen

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: A human poison by inhalation. Human systemic effects by inhalation: visual field changes, lachrymation, headache, decreased pulse rate with fall in blood pressure, dermatitis, cough, dyspnea, respiratory stimulation and other pulmonary changes. Experimental teratogenic and reproductive effects. Human mutation data reported. A skin, eye, upper respiratory system, and mucous membrane irritant. Questionable carcinogen with experimental neoplastigenic and tumorigenic data. Can be a safe water disinfectant in low concentration. Concentration of 0.015 ppm of ozone in air produces a

barely detectable odor. Concentrations of 1 ppm produce a disagreeable sulfur like odor and may cause headache and irritation of eyes and the upper respiratory tract; symptoms disappear after leaving the exposure.

A powerful oxidizing agent. Dangerous chemical reaction with acetylene, alkenes, alkylmetals (e.g., dimethylzinc, diethylzinc), antimony, aromatic compounds (e.g., benzene, aniline), benzene + oxygen + rubber, bromine, charcoal + potassium iodide, citronellic acid, combustible gases (e.g., carbon monoxide, ethylene, nitrogen oxide, ammonia, phosphine), (diallyl methyl carbinol + acetic acid), trans-2,3-dichloro-2-butene, dicyanogen, dienes + oxygen, diethyl ether, 1,1-difluoroethylene, N₂O₅, ethylene + formyl fluoride, fluoroethylene, liquid hydrogen, hydrogen + oxygen difluoride, hydrogen bromide, hydrogen iodide, 4-hydroxy-4-methyl-1,6-heptadiene, 2,3-hydroxy-2,2,4-trimethyl-3-pentenoic acid lactone, isopropylidene compounds, nitrogen, NO₂, NO, nitrogen trichloride, nitrogen triiodide, nitroglycerin, organic liquids, organic matter, oxygen + rubber powder, oxygen fluorides (e.g., dioxygen difluoride, dioxygen trifluoride), silica gel, stibine, tetrafluorohydrazine, tetramethylammonium hydroxide, trifluoroethylene, unsaturated acetals. A severe explosion hazard in liquid form when shocked, exposed to heat or flame, or in concentrated form by chemical

reaction with powerful reducing agents. Incompatible with rubber; dinitrogen tetraoxide. See also OZONIDES and PEROXIDES.

ORY000 **HR: 3**
OZONE mixed with NITROGEN OXIDES
(53%:47%)

SYN: NITROGEN OXIDES mixed with OZONE (47%:53%)

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:1 ppm/2H:CNS NEACA9 19,686,41

ihl-mus LCLo:10 ppm/5H NEACA9 19,686,41

SAFETY PROFILE: Poison by inhalation. Human systemic effects by inhalation: central nervous system effects. See also OZONE and NITROGEN MONOXIDE.

ORY499 **HR: 3**
OZONIDES

SYN: TRIOXOLANES

SAFETY PROFILE: Many are unstable explosives. The presence of peroxides is thought to be the cause of instability. Polymeric alkene ozonides (e.g., trans-2-butene ozonide) are shock-sensitive explosives. They are decomposed by the catalytic action of powdered palladium, platinum, silver, or iron(II) salts.