

scu-mus LD50:10 mg/kg JCSOA9 -,2774,49

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. See also CYANIDE and ETHERS. When heated to decomposition it emits toxic F^- , NO_x , and CN^- .

CON750 **HR: D**
CYANO(4-FLUORO-3-PHENOXYPHENYL)
METHYL-3-(2,2-DICHLOROETHENYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE

SAFETY PROFILE: When heated to decomposition emits toxic fumes of CN^- , F^- , and Cl^- .

CON825 **CAS: 4474-17-3** **HR: 3**
CYANOFORMYL CHLORIDE

mf: C_2ClNO mw: 89.48

CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A poison. Violent reaction with water. When heated to decomposition it emits toxic fumes of Cl^- , CN^- , and NO_x . See also CYANIDE and CHLORIDES.

COO000 **CAS: 460-19-5** **HR: 3**
CYANOGEN

DOT: UN 1026

mf: C_2N_2 mw: 52.04



PROP: Colorless gas; pungent odor. Mp: -34.4° , bp: -21.0° , d: 0.866 @ $17^\circ/4^\circ$, lel: 6.6%, uel: 32%, vap d: 1.8.

SYNS: CARBON NITRIDE ☐ CYANOGENE (FRENCH) ☐ CYANOGEN GAS (DOT) ☐ DICYANOGEN ☐ ETHANEDI NITRILE ☐ NITRILOACETONITRILE ☐ OXALIC ACID DINITRILE ☐ OXALONITRILE ☐ OXALYL CYANIDE ☐ PRUSSITE ☐ RCRA WASTE NUMBER P031

TOXICITY DATA with REFERENCE:

eye-hmn 16 ppm/6M AIHAAP 21,121,60
 ihl-hmn TCLo:16 ppm:EYE,NOSE AIHAAP 21,121,60
 ihl-rat LC50:350 ppm/1H AIHAAP 21,121,60
 unk-dog LDLo:15 mg/kg AIPTAK 3,77,1897
 scu-rbt LDLo:13 mg/kg AIPTAK 3,77,1897
 scu-pgn LDLo:9 mg/kg AIPTAK 3,77,1897
 scu-frg LDLo:43 mg/kg AIPTAK 3,77,1897

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

OSHA PEL: TWA 10 ppm

ACGIH TLV: TWA 10 ppm

DFG MAK: 10 ppm (22 mg/m³)

DOT CLASSIFICATION: 2.3; Label: Poison Gas, Flammable Gas

SAFETY PROFILE: A poison by subcutaneous and possibly other routes. Moderately toxic by inhalation. Human systemic effects by inhalation: damage to the olfactory nerves and irritation of the conjunctiva. A systemic irritant by inhalation and subcutaneous routes. A human eye irritant. Very dangerous fire hazard when exposed to heat, flames (sparks), or oxidizers. To fight

fire, stop flow of gas. Potentially explosive reaction with powerful oxidants (e.g., dichlorine oxide, fluorine, oxygen, ozone). When heated to decomposition or on contact with acid, acid fumes, water, or steam will react to produce highly toxic fumes of NO_x and CN^- . See also other cyanogen entries and CYANIDE.

COO250 **CAS: 764-05-6** **HR: 3**
CYANOGEN AZIDE

mf: CN_4 mw: 68.04

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A poison. Explodes violently with mild mechanical, thermal, or electrical shock. May spontaneously explode in storage even when cooled to $-20^\circ C$. Reacts with 10% sodium hydroxide to form the violently explosive 5-azidotetrazolide. See also other cyanogen entries, CYANIDE, and AZIDES.

COO500 **CAS: 506-68-3** **HR: 3**
CYANOGEN BROMIDE

DOT: UN 1889

mf: $CBrN$ mw: 105.93

PROP: Colorless needles. Mp: 52° , bp: 61.6° , d: 2.015 @ $20^\circ/4^\circ$, vap press: 100 mm @ 22.6° .

SYNS: BROMINE CYANIDE ☐ BROMOCYAN ☐ BROMO CYANOGEN ☐ BROMURE de CYANOGEN (FRENCH) ☐ CAMPILIT ☐ CYANOBROMIDE ☐ CYANOGEN MONOBROMIDE ☐ RCRA WASTE NUMBER U246 ☐ TL 822

TOXICITY DATA with REFERENCE:

ihl-hmn LCLo:92 ppm/10M NTIS** PB214-270
 ihl-mus LCLo:500 mg/m³/10M NDRC** No. 9-4-1-9,43

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

DOT CLASSIFICATION: 6.1; Label: Poison, Corrosive
SAFETY PROFILE: A human and experimental poison by inhalation. Corrosive. When heated to decomposition it emits very toxic fumes of CN^- and Br^- . Possibly unstable. See also other cyanogen entries; CYANIDE; and BROMIDES.

COO750 **CAS: 506-77-4** **HR: 3**
CYANOGEN CHLORIDE

DOT: UN 1589

mf: $CClN$ mw: 61.47

PROP: Colorless liquid or gas; lachrymatory and irritating odor. Mp: -6.5° , bp: 13.1° , d: 1.218 @ $4^\circ/4^\circ$, vap press: 1010 mm @ 20° , vap d: 1.98.

SYNS: CHLORCYAN ☐ CHLORINE CYANIDE ☐ CHLOROCYAN ☐ CHLOROCYANIDE ☐ CHLOROCYANOGEN ☐ CHLORURE de CYANOGENE ☐ CYANOGEN CHLORIDE (ACGIH,OSHA) ☐ CYANOGEN CHLORIDE, inhibited (DOT) ☐ RCRA WASTE NUMBER P033

TOXICITY DATA with REFERENCE:

eye-hmn 100 mg/m³/2M SEV BJEPAS 33,241,46
 ihl-hmn TCLo:10 mg/m³:EYE WHOTAC -,31,70
 ihl-man TCLo:2 g/m³:SKN NTIS** PB158-508
 ihl-rat LC50:5400 mg/m³/3M NTIS** PB158-508

ihl-mus LC50:3 g/m³/30S NTIS** PB158-508
 scu-mus LDLo:39 mg/kg 27ZWAY 1.1,779,-
 ihl-dog LC50:3800 mg/m³/1M NTIS** PB158-508
 scu-dog LDLo:5 mg/kg HBAMAK 4,1341,35
 ihl-mky LC50:4400 mg/m³/1M NTIS** PB158-508
 orl-cat LD50:6 mg/kg NTIS** PB158-508
 ihl-cat LC50:6 g/m³/1M NTIS** PB158-508
 ihl-rbt LC50:6 g/m³/7M NTIS** PB158-508
 scu-rbt LDLo:20 mg/kg HBAMAK 4,1341,35
 ihl-gpg LC50:5500 mg/m³/2M NTIS** PB158-508
 scu-pgn LDLo:8700 µg/kg HBAMAK 4,1341,35
 ihl-dom LC50:3600 mg/m³/2M NTIS** PB158-508

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

OSHA PEL: CL 0.3 ppm

ACGIH TLV: CL 0.3 ppm

DOT CLASSIFICATION: 2.3; Label: Poison Gas, Flammable Gas

SAFETY PROFILE: Poison by ingestion, subcutaneous, and possibly other routes. Toxic by inhalation. Human systemic effects by inhalation: lachrymation, conjunctiva irritation, and chronic pulmonary edema or congestion. A primary irritant. A severe human eye irritant. An insecticide. Flammable when exposed to heat or flame. When heated to decomposition or on contact with water or steam, it will react to produce highly toxic and corrosive fumes of Cl⁻, CN⁻, and NO_x. See also other cyanogen entries, CYANIDE, and CHLORIDES.

COP825 CAS: 1495-50-7 HR: 3
CYANOGEN FLUORIDE

mf: CFN mw: 45.02

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A poison. Explosive polymerization is catalyzed by hydrogen fluoride. When heated to decomposition it emits toxic fumes of F⁻ and NO_x. See also other cyanogen entries, CYANIDE, and FLUORIDES.

COP000 CAS: 506-78-5 HR: 3
CYANOGEN IODIDE

mf: CIN mw: 152.92

PROP: Colorless solid. Mp: 146.5°, vap press: 1 mm @ 25.2°.

SYNS: IODINE CYANIDE □ JODCYAN

TOXICITY DATA with REFERENCE:

scu-rat LDLo:44 mg/kg 27ZWAY 1.1,779,-
 scu-mus LDLo:27 mg/kg HBAMAK 4,1289,35
 scu-dog LDLo:19 mg/kg HBAMAK 4,1289,35
 orl-cat LDLo:18 mg/kg HBAMAK 4,1289,35
 scu-cat LDLo:20 mg/kg HBAMAK 4,1289,35
 scu-rbt LDLo:360 mg/kg HBAMAK 4,1289,35
 scu-frg LDLo:110 mg/kg HBAMAK 4,1289,35

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

DOT CLASSIFICATION: 6.1; Label: Poison, KEEP AWAY FROM FOOD

SAFETY PROFILE: A poison by ingestion and subcutaneous routes. Violent reaction with P. See other cyanogen entries; CYANIDE and IODIDES. When heated to decomposition it emits very toxic fumes of NO_x, CN⁻, and I⁻.

COP125 CAS: 461-58-5 HR: 3
CYANOGUANIDINE

mf: C₂H₄N₄ mw: 84.08

SYNS: DICYANDIAMIN □ DICYANODIAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD:>500 mg/kg NCNSA6 5,17,53
 unr-rat LDLo:600 mg/kg BCPA6 14,1325,65

CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Moderately toxic by ingestion. Mixtures with ammonium nitrate, potassium chlorate, and related compounds are powerful explosives. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. See also CYANIDE and AMIDES.

COP400 CAS: 6071-81-4 HR: 3
S-1-CYANO-2-HYDROXY-3-BUTENE

mf: C₅H₇NO mw: 97.13

SYNS: S-3-HYDROXY-4-PENTENONITRILE □ 4-PENTENONITRILE, 3-HYDROXY-, S-

TOXICITY DATA with REFERENCE:

scu-rat LD50:200 mg/kg FCTXAV 18,159,80
 unr-mus LD50:170 mg/kg JAFCAU 17,483,69

SAFETY PROFILE: Poison by subcutaneous route. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

COP500 CAS: 31065-88-0 HR: 3
CYANOHYDROXYMERCURY

mf: CHHgNO mw: 243.62

TOXICITY DATA with REFERENCE:

scu-mus LDLo:10 mg/kg MOLAAF 73,751,39

CONSENSUS REPORTS: Cyanide and its compounds, as well as 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: (Organomercury): TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by subcutaneous route. See also MERCURY COMPOUNDS and CYANIDE. When heated to decomposition it emits very toxic fumes of Hg, NO_x, and CN⁻.

COP525 CAS: 17380-21-1 HR: 3
5-CYANO-3-INDOLYL ISOPROPYL KETONE

mf: C₁₃H₁₂N₂O mw: 212.27

SYNS: INDOLE-5-CARBONITRILE, 3-(2-METHYLPROPIONYL)-
□ 3-(2-METHYLPROPIONYL)-5-INDOLECARBONITRILE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:178 mg/kg CSLNX* NX#12039

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

COP550 CAS: 17380-19-7 HR: 3

5-CYANO-3-INDOLYLMETHYL KETONE

mf: C₁₁H₈N₂O mw: 184.21

SYNS: 3-ACETYLINDOLE-5-CARBONITRILE □ INDOLE-5-CARBONITRILE, 3-ACETYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:32 mg/kg CSLNX* NX#12036

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

COP600 HR: 3

α-CYANO-6-ISOBUTYLERGOLINE-8-PROP-IONAMIDE

mf: C₂₂H₂₈N₄O mw: 364.54

SYN: ERGOLINE-8-PROPIONAMIDE, α-CYANO-6-ISOBUTYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:200 mg/kg ARZNAD 33,1094,83

SAFETY PROFILE: Poison by ingestion.

Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

COP700 CAS: 63278-33-1 HR: 2

α-((CYANOMETHOXY)IMINO)-BENZACETO NITRILE

mf: C₁₀H₇N₃O mw: 185.20

SYNS: BENZENEACETONITRILE, α-((CYANOMETHOXY)IMINO)- □ CGA-43089 □ CONCEPT □ α-((CYANOMETHOXY)IMINO)BENZENEACETONITRILE □ CYOMETRINIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2277 mg/kg 85JCAE -,926,86

skn-rat LD50:>3100 mg/kg 85JCAE -,926,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

COP750 CAS: 1001-55-4 HR: 3

CYANOMETHYL ACETATE

mf: C₄H₅NO₂ mw: 99.10

PROP: Colorless liquid. Mp: -22.5°, bp: 200°, d: 1.123 @ 15°.

SYN: GLYCOLONITRILE ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open JIHTAB 30,63,48

eye-rbt 20 mg open SEV JIHTAB 30,63,48

orl-rat LD50:32 mg/kg JIHTAB 30,63,48

ihl-rat LCLo:16 ppm/4H JIHTAB 31,343,49

skn-rbt LD50:43 mg/kg JIHTAB 30,63,48

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A poison by skin contact, ingestion, and inhalation. A skin and severe eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and CN⁻. See also NITRILES.

COP752 CAS: 98477-03-3 HR: 2
5-CYANO-N-METHYL-1-PHENYL-1H-PYRAZ-OLE-4-CARBOXAMIDE

mf: C₁₂H₁₀N₄O mw: 226.26

SYN: 1H-PYRAZOLE-4-CARBOXAMIDE, 5-CYANO-N-METHYL-1-PHENYL-

TOXICITY DATA with REFERENCE:

orl-qal LDLo:2 g/kg NTIS** OTS0545114

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

COP755 CAS: 5219-61-4 HR: 2
CYANOMETHYL PHENYL SULFIDE

mf: C₈H₇NS mw: 149.22

SYNS: ACETONITRILE, (PHENYLTHIO)- □ PHENYLMER CAPTOACETONITRILE □ (PHENYLTHIO)ACETONITRILE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:470 mg/kg AECTCV 14,111,1985

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits toxic vapors of NO_x and SO_x.

COP759 HR: 3

5-CYANO-5-METHYLTETRAZOLE

mf: C₃H₃N₅ mw: 109.09



CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Explosive reaction with aluminum hydride. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. See also CYANIDE.

COP765 CAS: 88254-07-3 HR: 2
CYANOMORPHOLINOADRIAMYCIN

mf: C₃₂H₃₄N₂O₁₂ mw: 638.68

SYNS: 3'-DEAMINO-3'-(3-CYANO-4-MORPHOLINYL) DOXO RUBICIN □ MRA-CN □ 5,12-NAPHTHACENEDIONE, 7,8,9,10-TETRAHYDRO-10-((3-(3-CYANOMORPHOLINO)-2,3,6-TRIDEOXY-α-L-lyxo-HEXOPYRANOSYL)OXY)-8-(HYDROXYACETYL)-1-METHOXY-6,8,11-TRIHYDR OXY-, (8s-cis)-

TOXICITY DATA with REFERENCE:

mma-sat 500 ng/plate CNREA8 44,5599,84

dni-hmn:leu 2200 pmol/L CNREA8 46,4041,86

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

COP775 CAS: 1884-64-6 HR: 3
CYANONITRENE

mf: CN₂ mw: 40.02

CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: An explosive. When heated to decomposition it emits toxic fumes of CN^- and NO_x . See also CYANIDE.

COQ325 CAS: 68597-10-4 HR: 3
2-CYANO-4-NITROBENZENDIAZONIUM
HYDROGEN SULFATE

mf: $\text{C}_7\text{H}_4\text{N}_4\text{O}_6\text{S}$ mw: 272.19

CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Reacts violently with sulfuric acid when heated. When heated to decomposition it emits toxic fumes of NO_x , CN^- , and SO_x . See also CYANIDE, SULFATES, and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

COQ328 CAS: 159394-71-5 HR: D
(E)-3-CYANO-4'-NITROSTILBENE

mf: $\text{C}_{15}\text{H}_{10}\text{N}_2\text{O}_2$ mw: 250.27

SYNS: BENZONITRILE, 3-(2-(4-NITROPHENYL)ETHENYL)-, (E)- □ (E)-3-(2-(4-NITROPHENYL)ETHENYL)BENZONITRILE

TOXICITY DATA with REFERENCE:

mic-sat 3300 pmol/plate MUREAV 341,57,1994

uns-ipr-mus 100 mg/kg MUREAV 341,57,1994

cyt-ipr-mus 100 mg/kg MUREAV 341,57,1994

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

COQ333 CAS: 56092-91-2 HR: 3
3-(3-CYANO-1,2,4-OXADIAZOL-5-YL)-4-CYANO
FURAZAN-2(5-) OXIDE

mf: $\text{C}_6\text{N}_6\text{O}_3$ mw: 204.10

CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Reacts explosively with hydrazines and other nitrogenous bases (e.g., mono- or dimethyl hydrazine, piperidine, piperazine, and diethylamine). When heated to decomposition it emits toxic fumes of CN^- and NO_x . See also CYANIDE.

COQ376 CAS: 28313-53-3 HR: 3
2-CYANO-2-OXOACETIC ACID METHYL-
ESTER-2-(3,5-BIS(TRIFLUOROMETHYL)-
PHENYL)HYDRAZONE

mf: $\text{C}_{12}\text{H}_7\text{F}_6\text{N}_5\text{O}_2$ mw: 339.22

SYNS: ACETIC ACID, ((3,5-BIS(TRIFLUOROMETHYL)PHENYL)HYDRAZONO)CYANO-, METHYLESTER □ ACETIC ACID, 2-CYANO-2-OXO-, METHYL ESTER, 2-(3,5-BIS(TRIFLUOROMETHYL)PHENYL)HYDRAZONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:20100 $\mu\text{g/kg}$ EXPEAM 42,558,1986

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and F^- .

COQ385 CAS: 70124-77-5 HR: 3
(+)-CYANO(3-PHENOXYPHENYL)METHYL(+)-
4-(DIFLUOROMETHOXY)- α -(1-METHYL-

ETHYL) BENZENEACETATE

mf: $\text{C}_{26}\text{H}_{23}\text{F}_2\text{NO}_4$ mw: 451.50

SYNS: AC 222705 □ BENZENEACETIC ACID, 4-(DIFLUOROMETHOXY)- α -(1-METHYLETHYL)-, CYANO(3-PHENOXY-PHENYL) METHYL ESTER □ CYBOLT □ CYTHRIN □ FLUCYTHRINATE □ FUNCHIONG JUJR □ PAY-OFF

TOXICITY DATA with REFERENCE:

orl-rat LD50:67 mg/kg FMCHA2 -,C141,91

ihl-rat LC50:4850 mg/ m^3 /4H 85JFAN A550,84

orl-mus LD50:76 mg/kg PEMNDP 9,406,91

skn-rbt LD50:>1 g/kg PEMNDP 9,406,91

orl-qal LD50:2708 mg/kg PEMNDP 9,406,91

orl-dck LD50:>2510 mg/kg PEMNDP 9,406,91

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

SAFETY PROFILE: A poison by ingestion.

Moderately toxic by skin contact. When heated to decomposition it emits toxic vapors of NO_x and F^- .

COQ387 CAS: 66827-38-1 HR: 2
CYANO(4-PHENOXYPHENYL)METHYL 4-
CHLORO α -(1-METHYLETHYLBENZENE
ACETATE)

mf: $\text{C}_{25}\text{H}_{22}\text{ClNO}_3$ mw: 419.93

SYNS: ACETIC ACID, 2-(p-CHLOROPHENYL)-2-ISOPROPYL-, CYANO(p-PHENOXYPHENYL)METHYL ESTER □ SD-43775

TOXICITY DATA with REFERENCE:

orl-rat LD50:451 mg/kg 85ARAE 1,55,1977

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

COQ390 HR: D
(+)-CYANO(3-PHENOXYPHENYL)METHYL(\pm)-1-
(DIFLUOROMETHOXY)- α -(1-METHYLETHYL)
BENZENEACETATE

SYN: FLUCYTHRINATE

SAFETY PROFILE: When heated to decomposition emits toxic fumes of CN^- , F^- .

COQ399 CAS: 2636-26-2 HR: 3
CYANOPHOS

mf: $\text{C}_9\text{H}_{10}\text{NO}_3\text{PS}$ mw: 243.23

PROP: Yellow to reddish-yellow transparent liquid. Bp: 119–120° (slt decomp), mp: 14–15°, n: (32.5/D) 1.5404. Very sol in methanol, ethanol, acetone, chloroform. Sparingly sol in n-hexane, kerosene; sltly sol in water. Rapid decomp under alkaline conditions and upon exposure to light.

SYNS: BAY 34727 □ BAYER 34727 □ CIAFOS □ O-p-CYANO PHENYL O,O-DIMETHYL PHOSPHOROTHIOATE □ O-(4-CYANOPHENYL) O,O-DIMETHYL PHOSPHOROTHIOATE □ CYANOX □ CYAP □ O,O-DIMETHYL-O-(4-CYANO-PHENYL)-MONOTHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-O-p-CYANOPHENYL PHOSPHOROTHIOATE □ O,O-DIMETHYL-O-4-CYANOPHENYL PHOSPHOROTHIOATE □ O,O-DIMETHYL-O-4-CYANOPHENYL THIOPHOSPHATE □ ENT 25,675 □ MAY & BAKER S-4084 □ PHOSPHOROTHIOIC ACID o-(4-CYANO PHENYL)-9,9-DIMETHYL ESTER □ S 4084 □ SUMITOMO S 4084 □ SUNITOMO S 4084

TOXICITY DATA with REFERENCE:

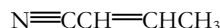
orl-rat LD50:25 mg/kg SPEADM 78-1,26,78
 skn-rat LD50:800 mg/kg 28ZEAL 5,62,76
 orl-mus LD50:324 mg/kg GISAAA 48(9),76,83
 ipr-mus LD50:880 mg/kg MEIEDD 10,322,83
 orl-gpg LD50:324 mg/kg GISAAA 48(9),76,83
 orl-ckn LD50:24 mg/kg TXAPA9 11,49,67
 skn-mam LD50:2010 mg/kg GTPZAB 21(7),34,77

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List. On EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact and intraperitoneal routes. An insecticide and cholinesterase inhibitor. See also PARATHION. When heated to decomposition it emits toxic fumes of NO_x, PO_x, CN⁻, and SO_x.

COQ750 CAS: 627-26-9 HR: 3
1-CYANOPROPENE

mf: C₄H₅N mw: 67.09



PROP: Bp: 118–119, flash p: 60.8°F.

SYN: 2-BUTENENITRILE

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A poison. Very reactive. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of CN⁻. See also CYANIDE.

COR325 CAS: 1190-16-5 HR: 2
3-CYANOPROPYLDICHLOROMETHYLSILANE

mf: C₅H₉Cl₂NSi mw: 182.14

SYN: 4-(DICHLOROMETHYLSILYL)BUTYRONITRILE

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62
 skn-rbt 5 mg/24H SEV 85JCAE -,1225,86
 eye-rbt 750 µg/24H SEV 85JCAE -,1225,86
 orl-rat LD50:2830 mg/kg AIHAAP 23,95,62
 ihl-mus LCLo:770 mg/m³/2H 85JCAE -,1225,86
 skn-rbt LD50:1490 mg/kg AIHAAP 23,95,62

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

SAFETY PROFILE: Moderately toxic by inhalation, ingestion, and skin contact. A severe skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻, NO_x and CN⁻. See also NITRILES.

COR500 CAS: 1067-99-8 HR: 2
(3-CYANOPROPYL)DIETHOXY(METHYL)SILANE

mf: C₉H₁₉NO₂Si mw: 201.38

SYNS: BUTYRONITRILE, 4-(DIETHOXYMETHYLSILYL)- □ DIETHOXY-3-KYANPROPYL-METHYLSILAN □ SILANE, (3-CYANOPROPYL)DIETHOXY(METHYL)-

TOXICITY DATA with REFERENCE:

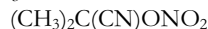
skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
 orl-rat LD50:3730 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

COR600 CAS: 40561-27-1 HR: 3
2-CYANO-2-PROPYL NITRATE

mf: C₄H₆N₂O₃ mw: 130.10



CONSENSUS REPORTS: Cyanide compounds are on the Community Right-To-Know List.

SAFETY PROFILE: An impact-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also CYANIDE and NITRATES.

COR750 CAS: 1071-27-8 HR: 2
(3-CYANOPROPYL) TRICHLOROSILANE

mf: C₄H₆Cl₃NSi mw: 202.55

SYNS: BUTYRONITRILE, 4-(TRICHLOROSILYL)- □ SILANE, (3-CYANOPROPYL)TRICHLORO- □ SILANE, TRICHLORO(3-CYANOPROPYL)- □ TRICHLOR-3-KYANPROPYLSILAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:2830 mg/kg AIHAAP 23,95,62

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 Cl⁻.

COR800 CAS: 1067-47-6 HR: 1
(3-CYANOPROPYL) TRIETHOXSILANE

mf: C₁₀H₂₁NO₃Si mw: 231.41

SYNS: BUTYRONITRILE, 4-(TRIETHOXSILYL)- □ SILANE, (3-CYANOPROPYL)TRIETHOXY- □ SILANE, TRIETHOXY(3-CYANOPROPYL)- □ TRIETHOXY-3-KYANPROPYLSILAN

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62
 orl-rat LD50:4920 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x and Si.

COS500 CAS: 60560-33-0 HR: 2
2-CYANO-3-(4-PYRIDYL)-1-(1,2,3,TRIMETHYL-PROPYL)GUANIDINE

mf: C₁₃H₁₉N₅ mw: 245.37

SYNS: P 1134 □ PINACIDIL □ PND

TOXICITY DATA with REFERENCE:

orl-rat LD50:570 mg/kg JMCMA 21,773,78
 orl-mus LD50:490 mg/kg NYKZAU 86,341,85

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and CN⁻. See also CYANIDE.

COS750 CAS: 41427-34-3 HR: 2
2-CYANO-4-STILBENAMINE

mf: C₁₅H₁₂N₂ mw: 220.29

SYNS: 4-AMINO-2-STILBENECARBONITRILE □ 2-CYANO-4-AMINOSTILBENE

TOXICITY DATA with REFERENCE:

scu-rat TDLo:2700 mg/kg/30W-I:NEO TXAPA9 5,344,63

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. See also NITRILES. When heated to decomposition it emits toxic fumes of NO_x and CN⁻.

COS780 CAS: 273203-30-8 HR: 3
(3AR,9BS)-N-(4-(8-CYANO-1,3A,4,9B-TETRAHYDRO-3H-BENZOPYRANO(3,4-C)PYRROL-E-2-YL)BUTYL)-4-

mf: C₂₉H₂₉N₃O₂ mw: 451.57

SYNS: (1,1'-BIPHENYL)-4-CARBOXAMIDE, N-(4-(8-CYANO-1,3A,4,9B-TETRAHYDRO(1)BENZOPYRANO(3,4-C)PYRROLE-2(3H)-YL)BU TYL)-, (3AR,9BS)- □ PHENYLBENZAMIDE

TOXICITY DATA with REFERENCE:

ivn-rat TDLo:0.57 mg/kg JPETAB 293,1048,2000

scu-rat TDLo:1.6 mg/kg JPETAB 293,1063,2000

scu-rat TDLo:10 mg/kg JPETAB 293,1063,2000

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

COS825 CAS: 70247-32-4 HR: 3
2-(5-CYANOTETRAZOLE)PENTAMMINE
COBALT(III) PERCHLORATE

mf: C₂H₁₆Cl₃CoN₁₀O₁₂ mw: 537.50

CONSENSUS REPORTS: Cyanide compounds and cobalt compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A relatively insensitive explosive. When heated to decomposition it emits toxic fumes of Cl⁻, NO_x and CN⁻. See also CYANIDE, PERCHLORATES, and COBALT COMPOUNDS.

COS899 CAS: 63833-98-7 HR: 3
CYANOTRIMEPAZINE MALEATE

mf: C₁₉H₂₁N₃S•C₄H₄O₄ mw: 439.57

SYNS: CIANATIL MALEATE □ CYAMEMAZINE MALEATE □ CYAMEPROMAZINE MALEATE □ CYANO-3-(DIMETHYL-AMINO-3-METHYL-2-PROPYL)-10-PHENOTHI-AZINE MALEATE □ 10-(3-(DIMETHYLAMINO)-2-METHYLPROPYL)-PHENOTHIAZINE-2-CARBONITRILE MALEATE □ KYAME-PROMAZINE MALEATE □ 7204 RP

TOXICITY DATA with REFERENCE:

orl-mus LD50:640 mg/kg CRSBAW 155,1029,61

ipr-mus LD50:210 mg/kg CRSBAW 155,1029,61

scu-mus LD50:690 mg/kg CRSBAW 155,1029,61

ivn-mus LD50:90 mg/kg CRSBAW 155,1029,61

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and subcutaneous routes. See also NITRILES. When heated to decomposition it emits very toxic fumes of CN⁻, NO_x, and SO_x.

COS909 CAS: 4248-66-2 HR: D
CYANOTRIMETHYLANDROSTENOLONE

mf: C₂₃H₃₃NO₂ mw: 355.57

SYNS: CYANOKETONE □ 2-α-CYANO-4,4,17-α-TRIMETHYLANDROST-5-EN-17-β-OL-3-ONE

TOXICITY DATA with REFERENCE:

ims-rat TDLo:60 mg/kg (female 19D post):REP

PSEBAA 121,757,66

ims-rat TDLo:720 mg/kg (15-20D preg):TER

ENDOAO 87,432,70

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Experimental reproductive effects. An experimental teratogen. A steroid. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. See also CYANIDE.

COT000 CAS: 16176-02-6 HR: 3
2-CYANO-1,2,3-TRIS(DIFLUOROAMINO)-
PROPANE

mf: C₄H₄F₆N₄ mw: 222.10

F₂NC(CN)(CH₂NF₂)₂

CONSENSUS REPORTS: Cyanide and its

compounds are on the Community Right-To-Know List.

SAFETY PROFILE: A shock-sensitive explosive. When heated to decomposition it emits toxic fumes of F⁻, NO_x, and CN⁻. See also CYANIDE and FLUORIDES.

COT500 HR: 2
CYCAD HUSK

PROP: The active substance in the cycad meal is aglycone of Cycasin, a methylazoxymethanol (JNCIAM 41,605,68).

SYN: CYCAS CIRCINALIS HUSK

TOXICITY DATA with REFERENCE:

orl-rat TDLo:28 g/kg/10D-C:ETA JNCIAM 41,605,68

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

COT750 HR: 2
CYCAD MEAL

PROP: Obtained from the nut of *Cycas circinalis* L. (FEPRA7 23,1384,64).

SYN: CYCAD NUT, aqueous extract

TOXICITY DATA with REFERENCE:

orl-rat TDLo:21 g/kg/3W-C:CAR FEPRA7 23,1383,64

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

COU000 CAS: 14901-08-7 HR: 3
CYCASIN

mf: C₈H₁₆N₂O₇ mw: 252.26

PROP: A solid. Mp: 154° (decomp)

SYNS: CYCAS REVOLUTA GLUCOSIDE □ CYKAZINE □ β-d-GLUCOSYLOXYAZOXYMETHANE □ METHYLAZOXYMETHANOL GLUCOSIDE □ METHYLAZOXYMETHANOL-β-d-GLUCOSIDE □ (METHYL-ONN-AZOXY)METHYL-β-d-GLUCOPYRANOSIDE

TOXICITY DATA with REFERENCE:

mma-sat 10 µmol/plate CNREA8 39,3780,79
 dnd-rat-ori 56 mg/kg MUREAV 54,39,78
 ori-ham TDLo:150 mg/kg:CAR CNREA8 31,283,71
 ori-rat LD50:270 mg/kg GANNA2 62,353,71
 ori-mus LD50:500 mg/kg FEPRA7 31,1493,72
 ori-rbt LDLo:30 mg/kg FEPRA7 31,1493,72
 ori-gpg LDLo:20 mg/kg FEPRA7 31,1493,72
 ori-ham LDLo:250 mg/kg FEPRA7 31,1493,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Human Inadequate Evidence IMEMDT 10,121,76; Animal Sufficient Evidence IMEMDT 10,121,76; IMEMDT 1,157,72.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. A poison by ingestion. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

COU250 CAS: 532-76-3 HR: 3
CYCLAINE HYDROCHLORIDE

mf: C₁₆H₂₃NO₂•ClH mw: 297.86

PROP: Bitter crystals. Mp: 182–184°

SYNS: CYCLAINE □ 1-(CYCLOHEXYLAMINO)-2-PROPANOL BENZOATE (ESTER) HYDROCHLORIDE □ D 109 □ HEXYL-CAINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ori-mus LD50:1080 mg/kg 29ZVAB -,57,69
 scu-mus LD50:1080 mg/kg CLDND* 5,683,71
 scu-rbt LD50:164 mg/kg CLDND* -,57,69
 scu-gpg LD50:166 mg/kg JPETAB 93,388,48
 ivn-rbt LD50:14 mg/kg 29ZVAB -,57,69

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. Moderately toxic by ingestion. A local anesthetic. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

COU500 CAS: 103-95-7 HR: 2
CYCLAMEN ALDEHYDE

mf: C₁₃H₁₈O mw: 190.31

PROP: Colorless liquid; strong, floral odor. D: 0.946–0.952, refr index: 1.503–1.508. Sol in fixed oils; insol in propylene glycol, glycerin.

SYNS: ALDEHYDE B □ CYCLAMAL □ FEMA No. 2743 □ p-ISOPROPYL-α-METHYLHYDROCINNAMIC ALDEHYDE □ p-ISOPROPYL-α-METHYLPHENYLPROPYL ALDEHYDE □ α-METHYL-p-ISOPROPYLHYDROCINNAMALDEHYDE □ 2-METHYL-3-(p-ISOPROPYLPHENYL)PROPIONALDEHYDE

TOXICITY DATA with REFERENCE:

skn-hmn 15 mg/48H MLD FCTXAV 12,385,74
 ori-rat LD50:3810 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

COU510 CAS: 7149-24-8 HR: 1
CYCLAMEN ALDEHYDE DIETHYL ACETAL

mf: C₁₇H₂₈O₂ mw: 264.45

SYNS: HYDROCINNAMALDEHYDE, p-ISOPROPYL-α-METHYL-, DIETHYL ACETAL □ α-METHYL-p-ISOPROPYL HYDRO CINNAMIC ALDEHYDE DIETHYL ACETAL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,731,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

COU525 CAS: 29886-96-2 HR: 1
CYCLAMEN ALDEHYDE DIMETHYL ACETAL

mf: C₁₅H₂₄O₂ mw: 236.39

SYNS: HYDROCINNAMALDEHYDE, p-ISOPROPYL-α-METHYL-, DIMETHYL ACETAL □ α-METHYL-p-ISOPROPYLHYDRO CINNAMIC ALDEHYDE DIMETHYL ACETAL □ PROPION ALDEHYDE, 3-(p-ISOPROPYLBENZYL)-, DIMETHYL ACETAL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,659,82

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

COV125 HR: 3
CYCLAMIDOMYCIN

mf: C₇H₁₀N₂ mw: 374.37

SYNS: DESDANINE □ PYRACRYMYCIN-1 □ 1-PYRROLINE-2-ACRYLAMIDE

TOXICITY DATA with REFERENCE:

ori-mus LD50:240 mg/kg 85GDA2 5,80,81
 ipr-mus LD50:150 mg/kg 85GDA2 5,80,81
 scu-mus LD50:150 mg/kg 85GDA2 5,80,81
 ivn-mus LD50:125 mg/kg 85GDA2 5,80,81

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.

COV133 CAS: 113136-77-9 HR: 3
CYCLANILIDE

mf: C₁₁H₉Cl₂NO₃ mw: 274.10

SYN: CYCLOPROPANECARBOXYLIC ACID, 1-(((2,4-DICHLOROPHENYL)AMINO)CARBONYL)-

TOXICITY DATA with REFERENCE:

ori-rat LD50:208 mg/kg FEREAC 62,28350,1997
 skn-rbt LD50:2000 mg/kg FEREAC 62,28350,1997
 ihl-rat LC50:2.64 g/m³ FEREAC 62,28350,1997

SAFETY PROFILE: A poison by ingestion. Moderately toxic by skin contact and inhalation. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

COV500 CAS: 3572-80-3 HR: 3
CYCLAZOCINE

mf: C₁₈H₂₅NO mw: 271.44

PROP: Crystals from MeOH. Mp: 201–204°

SYNS: 2-CYCLOPROPYLMETHYL-5,9-DIMETHYL-2'-HYDROXY-6,7-BENEOMORPHAN □ 3-CYCLOPROPYL-METHYL-6(eq),11(ax)-DIMETHYL-2,6-METHANO-3-BENZA-ZOCIN-8-OL □ 3-(CYCLOPROPYLMETHYL)1-1,2,3,4,5,6-HEXAHYDRO-6,11-DIMETHYL-2,6-METHANO-3-BENZAZOCIN-

8-OL □ 2-CYCLOPROPYLMETHYL-2'-HYDROXY-5,9-DIMETHYL-6,7-BENZOMORPHAN □ NIH 7981 □ NSC-107429 □ WIN 20740

TOXICITY DATA with REFERENCE:

scu-rat LD50:310 mg/kg JPETAB 143,141,64
ivn-rat LD50:32 mg/kg AIPTAK 165,112,67
ipr-mus LDLo:10 mg/kg ROCOB8 17,255,77
scu-mus LD50:153 mg/kg AIPTAK 241,79,79
ivn-mus LD50:28 mg/kg AIPTAK 165,112,67

SAFETY PROFILE: A poison by subcutaneous, intravenous, and intraperitoneal routes. Experimental reproductive effects. Used in the treatment of narcotic addiction. When heated to decomposition it emits toxic fumes of NO_x.

COV525 CAS: 26645-35-2 HR: 3
CYCLIC(I-ALANYL-2-MERCAPTO-I-TRYPTOPHYL-4,5-DIHYDROXY-I-LEUCYL-I-VALYL-ERYTHRO-3-HYDROXY-d-α-ASPARTYL-I-CYSTEINYL-cis-4-HYDROXY-I-PROLYL) CYCLIC (2-6)-SULFIDE

mf: C₃₇H₅₀N₈O₁₃S mw: 847.01

SYN: PHALLACIDIN

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2 mg/kg CRBCAI 5,185,78

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

COV625 CAS: 362-74-3 HR: D
CYCLIC AMP DIBUTYRATE

mf: C₁₈H₂₄N₅O₈P mw: 469.44

SYNS: 3',5'-CYCLIC AMP DIBUTYRATE □ CYCLIC AMP N⁶,2'-DIBUTYRYL cAMP □ CYCLIC DIBUTYRYL AMP □ DIBUTYRYL cAMP □ N⁶,O²-DIBUTYRYL cAMP □ N⁶,2'-o-DIBUTYRYL cAMP □ DIBUTYRYL CYCLIC AMP □ N⁶,O²-DIBUTYRYL CYCLIC AMP □ N⁶,2'-o-DIBUTYRYL CYCLIC AMP □ DIBUTYRYL-3',5'-CYCLIC AMP □ DIBUTYRYL CYCLIC-3',5'-AMP

TOXICITY DATA with REFERENCE:

oms-hmn:oth 10 μmol/L JIDEAE 65,52,75
oms-rat:oth 1 mmol/L INOPAO 13,210,74
dni-mus:oth 5 μmol/L CNREA8 43,3514,83

SAFETY PROFILE: Human mutation data reported. When heated to decomposition it emits toxic fumes of PO_x and NO_x. See also AMIDES.

COV750 CAS: 3741-38-6 HR: 3
CYCLIC ETHYLENE SULFITE

mf: C₂H₄O₃S mw: 108.12

PROP: A liquid. Bp: 169–172°

SYNS: 1,3,2-DIOXATHIOLANE-2-OXIDE (9CI) □ ETHYLENE SULFITE □ 1,2-ETHYLENE SULFITE □ GLYCOL SULFITE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg CBCCT* 5,341,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of SO_x. See also SULFITES.

COV800 CAS: 26741-53-7 HR: 1
CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-tert-BUTYLPHENYL)ESTER PHOSPHOROUS ACID

mf: C₃₃H₅₀O₆P₂ mw: 604.77

SYNS: MARK PEP 24 □ 2,4,8,10-TETRAOXA-3,9-DIPHOSPHASPIRO(5.5)UNDECANE, 3,9-BIS(2,4-BIS(1,1-DIMETHYLETHYL)-PHENOXY)- □ ULTRANOX 624 □ ULTRANOX 626 □ WESTON 626 □ WESTON MDW 626

TOXICITY DATA with REFERENCE:

orl-rat LD50:5580 mg/kg EPASR* 8EHQ-1287-0706

ihl-rat LC50:>2 g/m³ EPASR* 8EHQ-1287-0706

skn-rbt LD50:>200 mg/kg EPASR* 8EHQ-1287-0706

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

COV825 HR: 3
CYCLOBARBITAL-SALICYLAMIDE COMPLEX

mf: C₁₂H₁₆N₂O₃•C₇H₇NO₂ mw: 373.45

TOXICITY DATA with REFERENCE:

ipr-rat LD50:300 mg/kg KSRNAM 4,2536,70

scu-rat LD50:1780 mg/kg KSRNAM 4,2536,70

ipr-mus LD50:580 mg/kg KSRNAM 4,2536,70

scu-mus LD50:2300 mg/kg KSRNAM 4,2536,70

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x. See also TETRAHYDROPHENOBARBITAL, BARBITURATES, and SALICYLAMIDE.

COW000 CAS: 287-23-0 HR: 1
CYCLOBUTANE

mf: C₄H₈ mw: 56.12

PROP: A gas. Mp: -50°, bp: 12.9°, flash p: <50°F (CC), d: 0.708 @ 11°, vap d: 1.93, lel: 1.8%. Sol in EtOH, Me₂CO; insol in H₂O.

SYN: TETRAMETHYLENE

SAFETY PROFILE: May be a simple asphyxiant. See also CYCLOHEXANE. Very dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. To fight fire, stop flow of gas; CO₂, dry chemicals, or water spray. When heated to decomposition it emits acrid smoke and fumes.

COW250 HR: 3
CYCLOBUTENE

mf: C₄H₆ mw: 54.09

PROP: Gas. Bp: 2.4°, d: 0.733 @ 0°/4°, flash p: <15°F.

SYN: CYCLOBUTYLENE

SAFETY PROFILE: May be a simple asphyxiant. Dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits acrid smoke and fumes.

COW500 CAS: 60550-91-6 HR: D
CYCLOBUTYL-N-(2-FLUORENYL)FORMAMIDE

mf: C₁₈H₁₇NO mw: 263.36

SYNS: CYCLOBUTANECARBOXAMIDE-N-(2-FLUORENYL) □ N-FLUORENYLCYCLOBUTANECARBOXAMIDE

TOXICITY DATA with REFERENCE:

mmo-sat 5 µg/plate BBRA9 71,1201,76

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

COW675 CAS: 77287-90-2 HR: 3
17-CYCLOBUTYLMETHYL-3-HYDROXY-6-METHYLENE-8-β-METHYLMORPHINAN

mf: C₂₂H₂₉NO•CH₄O₃S mw: 419.63

SYNS: (8-β)-17-(CYCLOBUTYLMETHYL)-6-METHYLENE MORPHINAN-3-OL METHANESULFONATE □ TR5379M

TOXICITY DATA with REFERENCE:

orl-rat LD50:750 mg/kg FAATDF 3,478,83

ivn-rat LD50:22,300 µg/kg FAATDF 3,478,83

orl-mus LD50:365 mg/kg FAATDF 3,478,83

ivn-mus LD50:35 mg/kg FAATDF 3,478,83

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of SO_x and NO_x. A narcotic antagonist.

COW700 CAS: 512-16-3 HR: 2
CYCLOBUTYROL

mf: C₁₀H₁₈O₃ mw: 186.28

PROP: Colorless crystals from ether-pet ether. Mp: 81–82°. Sltly sol in water, pet ether. Very sol in alcohols, acetone, dioxane, chloroform, ether.

SYNS: 1-CYCLOHEXANOL-α-BUTYRIC ACID □ α-ETHYL-1-HYDROXYCYCLOHEXANEACETIC ACID □ HEBUCOL □ α-(1-HYDROXYCYCLOHEXYL)BUTYRIC ACID □ 1-HYDROXY-α-ETHYLCYCLOHEXYLACETIC ACID □ JL 130

TOXICITY DATA with REFERENCE:

orl-rat LD50:4820 mg/kg NIIRDN 6,313,82

scu-rat LD50:3230 mg/kg NIIRDN 6,313,82

ivn-rat LD50:1760 mg/kg NIIRDN 6,313,82

scu-mus LD50:4200 mg/kg NIIRDN 6,313,82

ivn-mus LD50:2900 mg/kg NIIRDN 6,313,82

ivn-rbt LD50:1920 mg/kg NIIRDN 6,313,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intravenous and subcutaneous routes. Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and fumes.

COW750 CAS: 12663-46-6 HR: 3
CYCLOCHLOROTINE

mf: C₂₄H₃₀Cl₂N₅O₇ mw: 571.49

PROP: White needles. Mp: 255°, decomp. Chlorine containing peptide produced by *P. islandicum* (85CVA2 5,177,70).

SYN: ISLANDITOXIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:6550 µg/kg FCTXAV 10,193,72

ipr-mus LD50:330 µg/kg CTOXAO 17,45,80

scu-mus LD50:475 µg/kg FCTXAV 10,193,72

ivn-mus LD50:335 µg/kg FCTXAV 10,193,72

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 10,139,76.

SAFETY PROFILE: A deadly poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

COW780 CAS: 72117-72-7 HR: 1
α-CYCLOCITRYLIDENE-4-METHYLBUTAN-3-ONE

mf: C₁₅H₂₄O mw: 220.39

SYNS: DIMETHYLLIONONE □ 1,3-DIMETHYL-α-IONONE □ 1-PENTEN-3-ONE, 1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,717,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

COW825 CAS: 51022-69-6 HR: 3
CYCLOCORT

mf: C₂₈H₃₅FO₇ mw: 502.63

PROP: Crystals from Me₂CO/hexane.

SYNS: (11-β,16-α)-21-(ACETYLOXY)-16,17-(CYCLOPENTYLIDENE BIS(OXY))-9-FLUORO-11-HYDROXYPREGNA-1,4-DIENE-3,20-DIONE □ AMCINONIDE □ CL-34699 □ PENTICORT

TOXICITY DATA with REFERENCE:

ipr-rat LD50:243 mg/kg IYKEDH 13,637,82

scu-rat LD50:145 mg/kg IYKEDH 13,637,82

ipr-mus LD50:896 mg/kg IYKEDH 13,637,82

scu-mus LD50:143 mg/kg IYKEDH 13,637,82

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. A steroid. When heated to decomposition it emits toxic fumes of F⁻.

COW875 CAS: 31698-14-3 HR: 2
CYCLOCYTIDINE

mf: C₉H₁₁N₃O₄ mw: 225.23

PROP: A cytostatic agent and intermediate in the synthesis of cytarabine.

SYNS: ANCITABINE □ ANCYTABINE □ 2,2'-ANHYDRO ARABINOSYLCYTOSINE □ ANHYDROARA C □ ANHYDRO CYTIDINE □ 2,2'-ANHYDROCYTIDINE □ o-2,2'-CYCLO CYTIDINE □ 2,2'-CYCLOCYTIDINE □ 2,2'-o-CYCLOCYTIDINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1700 mg/kg EKFMA7 9,31,80

ivn-rat LD50:820 mg/kg IYKEDH 7,108,76

orl-mus LD50:3400 mg/kg EKFMA7 9,31,80

ipr-mus LD50:1600 mg/kg EKFMA7 9,31,80

scu-mus LD50:4050 mg/kg IYKEDH 7,108,76

ivn-mus LD50:800 mg/kg IYKEDH 7,108,76

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, and intraperitoneal routes. Mildly toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x.

COW900 CAS: 10212-25-6 HR: 3
CYCLOCYTIDINE HYDROCHLORIDE

mf: C₉H₁₁N₃O₄•ClH mw: 261.69

PROP: Needles from MeOH/Me₂CO. A solid. Mp: 266–267° decomp.

SYNS: ALEXAN □ ANCITABINE HYDROCHLORIDE □ 2,2'-ANHYDROARABINOSYLCYTOSINE HYDROCHLORIDE □ 2,2'-ANHYDRO-1-β-D-ARABINOFURANOSYLCYTOSINE HYDROCHLORIDE □ 2,2'-ANHYDROCYTARABINE HYDROCHLORIDE □ 2,2'-ANHYDROCYTIDINE HYDROCHLORIDE □ 1-β-D-ARABINOFURANOSYL-2,2'-ANHYDRO-CYTOSINE HYDROCHLORIDE □ CYCLO-CMP HYDROCHLORIDE □ CYCLOCYTIDINE □ 2,2'-CYCLOCYTIDINE HYDROCHLORIDE □ 2,2'-o-CYCLOCYTIDINE HYDROCHLORIDE □ o-2,2'-CYCLOCYTIDINE MONOHYDROCHLORIDE □ NSC-145668

TOXICITY DATA with REFERENCE:

sce-hmn:lym 100 ng/L MUREAV 53,215,78
dni-mus:leu 10 mg/L CPBTAL 20,2286,72
scu-wmn TDLo:120 mg/kg:CVS,GIT,BLD CTRRDO 62,455,78

ipr-rat LD50:3800 mg/kg YAKUD5 21,359,79

ivn-rat LD50:820 mg/kg YAKUD5 21,359,79

ipr-mus LD50:2528 mg/kg NCISP* JAN86

ivn-mus LD50:800 mg/kg NIIRDN 6,55,82

ivn-dog LD50:344 mg/kg OYAA2 8,353,74

ivn-mky LD50:1045 mg/kg OYAA2 8,353,74

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. Human systemic effects by subcutaneous route: blood pressure depression, nausea or vomiting, and changes in bone marrow. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl.

COW925 CAS: 7585-39-9 HR: 3
β-CYCLODEXTRIN

mf: C₄₂H₇₀O₃₅ mw: 1135.12

SYNS: α-CYCLOAMYLOSE □ CYCLOHEPTAAMYLOSE □ β-CYCLOHEPTAAMYLOSE □ CYCLOHEPTAGLUCOSAN □ CYCLOMALTOHEPTAOSE □ CYCLOPHEPTAGLUCAN □ β-DEXTRIN □ SCHAARDINGER α-DEXTRIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:18,800 mg/kg OYAA2 26,287,83

ipr-rat LD50:356 mg/kg 48THAM 1,109,82

scu-rat LD50:3700 mg/kg OYAA2 26,287,83

ivn-rat LD50:1008 mg/kg AJPA4 83,367,76

ipr-mus LD50:330 mg/kg 48THAM 1,109,82

scu-mus LD50:412 mg/kg 48THAM 1,109,82

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous and intravenous routes. Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and fumes. See also DEXTRINS.

COW930 CAS: 947-04-6 HR: 2
CYCLODODECALACTAM

mf: C₁₂H₂₃NO mw: 197.36

SYNS: AZACYCLOTRIDECAN-2-ONE □ 2-AZACYCLOTRIDECANONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 mg/kg JPMSAE 60,1058,71

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.

COW935 CAS: 4904-61-4 HR: 2
cis,trans,trans-CYCLODODECA-1,5,9-TRIENE

mf: C₁₂H₁₈ mw: 162.30

SYNS: CDT □ 1,5,9-CYCLODODECATRIENE (Z,E,E)

TOXICITY DATA with REFERENCE:

skn-mus 100%/12D open SEV BJIMAG 25,75,68

skn-rbt 2670 mg SEV BJIMAG 25,75,68

skn-rbt 20 g/31D-I open SEV BJIMAG 25,75,68

skn-gpg 10 g/31D-I open SEV BJIMAG 25,75,68

eye-rbt 89 mg MLD BJIMAG 25,75,68

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

COX000 CAS: 31717-87-0 HR: 3
CYCLODODECYL-2,6-DIMETHYLMORPHOLINE ACETATE

mf: C₁₈H₃₆NO•C₂H₄O₂ mw: 342.61

PROP: D: 0.930. Misc in H₂O.

SYNS: N-CYCLODODECYL-2,6-DIMETHYLMORPHOLINIUM ACETATE □ CYCLOMORPH □ DODEMORFE (FRANCE)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 mg/kg DOVEAA 27,144,73

ipr-mus LD50:320 mg/kg GUCHAZ 6,244,73

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.

COX250 CAS: 64058-30-6 HR: 2
p-N-CYCLO-ETHYLENEUREIDOAZOBENZENE

mf: C₁₅H₁₄N₄O mw: 266.33

SYNS: AZOBENZEN (CZECH) □ 4-N-CYCLOETHYLENE UREIDOAZOBENZENE

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

COX325 CAS: 152-53-4 HR: 3
CYCLOGUANIL HYDROCHLORIDE

mf: C₁₁H₁₄ClN₅•ClH mw: 288.21

PROP: Prisms from H₂O. A solid. Mp: 210–215°.

SYNS: 1-(4-CHLOROPHENYL)-1,6-DIHYDRO-6,6-DIMETHYL-1,3,5-TRIAZINE-2,4-DIAMINE MONOHYDROCHLORIDE □ 4,6-DIAMINO-1-(p-CHLOROPHENYL)-1,2-DIHYDRO-2,2-DIMETHYL-5-TRIAZINE MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:54 mg/kg TXAPA9 18,487,71

scu-mus LD50:220 mg/kg ATMPA2 74,393,80

ivn-dog LDLo:24 mg/kg TXAPA9 18,487,71

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

COX400 CAS: 516-21-2 HR: 3
CYCLOGUANYL

mf: C₁₁H₁₄ClN₅ mw: 251.75

PROP: Prisms from CHCl₃/Et₂O. A solid. Mp: 146

SYNS: 4-AMINO-6-p-CHLOROANILINO-1,2-DWUHYDRO-2,2-DWUMETHYLO-1,3,5-TROJAZYNA □ CHLORGUANIDE TRIAZINE □ CGT □ 1-(p-CHLOROPHENYL)-4,6-DIAMINO-2,2-DIMETHYL-1,2-DIHYDRO-s-TRIAZINE □ 1-p-CHLOROPHENYL-1,2-DIHYDRO-2,2-DIMETHYL-4,6-DIAMINO-s-TRIAZINE □ CYCLOGUANIL □ WR 5473 □ s-TRIAZINE, 1,2-DIHYDRO-1-(p-CHLOROPHENYL)-4,6-DIAMINO-2,2-DIMETHYL-

TOXICITY DATA with REFERENCE:

mmo-omi 100 µg/plate AACHAX 12,84,77

ipr-rat LD50:98 mg/kg DIPHAH 10,81,58

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

COX500 CAS: 291-64-5 HR: 3
CYCLOHEPTANE

mf: C₇H₁₄ mw: 98.19

PROP: An oil. Mp: -12°, bp: 118–120°, flash p: 59°F, d: 0.810 @ 20°/4°, vap d: 3.3.

SYN: SUBERANE

SAFETY PROFILE: Dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemicals. See also CYCLOHEXANE.

COY000 CAS: 544-25-2 HR: 3
1,3,5-CYCLOHEPTATRIENE

DOT: UN 2603

mf: C₇H₈ mw: 92.14



PROP: A liquid. D: 0.888 @ 18.5°/4°, bp: 117° @ 749 mm, flash p: 39.2°F.

SYNS: CYCLOHEPTATRIENE (DOT) □ TROPILIDENE □ TROPILIDIN

TOXICITY DATA with REFERENCE:

cyt-rat:lvrl 100 mg/L MUREAV 155,57,85

orl-rat LD50:57 mg/kg AOHYA3 10,123,67

skn-rat LD50:442 mg/kg AOHYA3 10,123,67

orl-mus LD50:171 mg/kg AOHYA3 10,123,67

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Poison by ingestion and skin contact. Mutation data reported. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Potentially violent reaction with nitrogen monoxide. When heated to decomposition it emits acrid smoke and fumes.

COY100 CAS: 12125-77-8 HR: 3
CYCLOHEPTATRIENE MOLYBDENUM
TRICARBONYL

mf: C₁₀H₈MoO₃ mw: 272.12

PROP: Red hexagonal prisms from hexane. Mp: 95° decomp. IDLH 1000 mg/m³ (as Mo).

PROP: Mp: 100–101° decomp.

SYN: MOLYBDENUM, TRICARBONYL(1,3,5-CYCLOHEPTATRIENE)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:32 mg/kg CSLNX* NX#04764

OSHA PEL: TWA Total Dust: 10 mg/m³; Respirable Fraction: 5 mg/m³

ACGIH TLV: Insoluble Compounds: inhalable fraction, 10 mg(Mo)/m³, 3 mg(Mo)/m³, respirable fraction.

SAFETY PROFILE: Poison by intravenous route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of Mo.

COY250 CAS: 628-92-2 HR: 3
CYCLOHEPTENE

mf: C₇H₁₂ mw: 96.174



PROP: Flash p: <73.4°F.

SAFETY PROFILE: A dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits acrid smoke and fumes.

COY500 CAS: 509-86-4 HR: 3
CYCLOHEPTENYL ETHYLBARBITURIC ACID

mf: C₁₃H₁₈N₂O₃ mw: 250.33

SYNS: 5-(1-CYCLOHEPTEN-1-YL)-5-ETHYLBARBITURIC ACID

□ CYCLOHEPTENYLETHYLMALONYLUREA □ 5-(1-CYCLOHEPTEN-1-YL)-5-ETHYL-2,4,6(1H,3H,5H)-PYRIMIDINETRIONE (9CI) □ 5-ETHYL-5-(1'-CYCLOHEPTENYL)-BARBITURIC ACID □

G 475 □ HEPTABARB □ HEPTABARBITAL □ HEPTABARBITONE □ HEPTABARBUM □ HEPTADORM □ HEPTAMAL □ MEDAPAN □ MEDOMIN □ MEDOMINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:220 mg/kg JPETAB 93,101,48

ipr-mus LD50:210 mg/kg ARZNAD 9,360,59

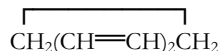
ivn-dog LD50:105 mg/kg JPETAB 93,101,48

ivn-rbt LD50:119 mg/kg JPETAB 93,101,48

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. Psychotropic effects by ingestion. When heated to decomposition it emits toxic fumes of NO_x. See also BARBITURATES.

CPA500 CAS: 592-57-4 HR: 3
1,3-CYCLOHEXADIENE

mf: C₆H₈ mw: 80.13



PROP: A liquid. Mp: -89°, bp: 80.5°, flash p: <73.4°F.

SAFETY PROFILE: A dangerous fire hazard when exposed to heat, flame, or oxidizers. It forms explosive polymeric oxides on exposure to air. When heated to decomposition it emits acrid smoke and fumes.

CPA750 CAS: 628-41-1 HR: 3
1,4-CYCLOHEXADIENE

mf: C₆H₈ mw: 80.13



PROP: A liquid. Mp: -49.2°, bp: 86–87°, flash p: 12.2°F.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits acrid smoke and fumes.

CPA760 CAS: 103302-38-1 HR: 2
3,5-CYCLOHEXADIENE-1,2-DIOL, trans-(+)-mf: C₆H₈O₂ mw: 112.14**SYN:** 1,2-DIHYDROXY-1,2-DIHYDROBENZENE, racemic mixture of (+)- and (-)-**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**CPA775 CAS: 4998-76-9 HR: 3**
CYCLOHEXANAMINE HYDROCHLORIDEmf: C₆H₁₃N•ClH mw: 135.66**SYNS:** AMINOCYCLOHEXANE HYDROCHLORIDE □ AMINOHEXAHYDROBENZENE HYDROCHLORIDE □ HEXAHYDROANILINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

spm-rat-orl 32,400 mg/kg/90D TXCYAC 8,143,77

orl-rat LD50:720 mg/kg GISAAA 51(9),80,86

ipr-rat LDLo:350 mg/kg LIFSAK 8,843,69

orl-mus LD50:760 mg/kg GISAAA 51(9),80,86

ipr-mus LD50:300 mg/kg TXAPA9 22,465,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl.**CPB000 CAS: 110-82-7 HR: 3**
CYCLOHEXANE**DOT:** UN 1145mf: C₆H₁₂ mw: 84.18**PROP:** Colorless, mobile liquid; pungent odor. Mp: 6.5°, bp: 81°, fp: 4.6°, flash: p: 1.4°F, ULC: 90–95, lel: 1.3%, uel: 8.4%, d: 0.7791 @ 20°/4°, autoign temp: 473°F, vap press: 100 mm @ 60.8°, vap d: 2.90. Prac insol in H₂O; sol in MeOH; misc in most org solvs. IDLH 1300 ppm [10%LEL].**SYNS:** CICLOESANO (ITALIAN) □ CYCLOHEXAAN (DUTCH) □ CYCLOHEXAN (GERMAN) □ CYKLOHEKSAN (POLISH) □ HEXAHYDROBENZENE □ HEXAMETHYLENE □ HEXANAPHTHENE □ RCRA WASTE NUMBER U056**TOXICITY DATA with REFERENCE:**

skn-rbt 1548 mg/2D-I JIHTAB 25,199,43

dnd-esc 10 μmol/L MUREAV 89,95,81

orl-rat LD50:29,820 mg/kg JIHTAB 25,415,43

orl-mus LD50:813 mg/kg NPIRI* 1,17,74

ihl-rbt TCLo:7444 ppm/6H/2W-I JIDHAN 25,323,43

orl-rbt LDLo:5500 mg/kg JIHTAB 25,199,43

ivn-rbt LDLo:77 mg/kg JPMRAB 3,1,28

CONSENSUS REPORTS: Community Right-To-Know List.**OSHA PEL:** TWA 300 ppm**ACGIH TLV:** TWA 100 ppm**DFG MAK:** 200 ppm (720 mg/m³)**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Poison by intravenous route.

Moderately toxic by ingestion. A systemic irritant by inhalation and ingestion. A skin irritant. Mutation data reported. Flammable liquid. Dangerous fire hazard when

exposed to heat or flame; can react with oxidizing materials. Moderate explosion hazard in the form of vapor when exposed to flame. When mixed hot with liquid dinitrogen tetroxide an explosion can result. To fight fire, use foam, CO₂, dry chemical, spray, fog. When heated to decomposition it emits acrid smoke and fumes.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Hydrocarbons.**CPB050 CAS: 1122-56-1 HR: 1**
CYCLOHEXANECARBOXAMIDEmf: C₇H₁₃NO mw: 127.21**PROP:** Prisms from H₂O. Mp: 186–188°. Hygroscopic. Very sol in EtOH, Et₂O.**SYNS:** CYCLOHEXAN METHYLENE CARBAMIDE □ CYCLOHEXANAMIDE □ CYCLOHEXANEFORMAMIDE □ CYCLOHEXYLCARBOXAMIDE □ CYCLOHEXYL CARBOXYAMIDE □ HEXAHYDROBENZOIC ACID AMIDE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD 33NFA8 -,2,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits toxic fumes of NO_x.**CPB065 CAS: 127277-53-6 HR: 1**
CYCLOHEXANECARBOXYLIC ACID, 3,5-DIOXO-4-(1-OXOPROPYL)-, ION(1-), CALCIUM, CALCIUM SALTmf: C₁₀H₁₁O₅•½Ca•½Ca**SYNS:** BX 112 □ CALCIUM 3-OXIDO-5-OXO-4-PROPIONYL CYCLOHEX-3-ENECARBOXYLATE (IUPAC) □ 3,5-DIOXO-4-(1-OXOPROPYL)CYCLOHEXANECARBOXYLIC ACID ION(1-) CALCIUM CALCIUM SALT □ KIM-112 □ KUH-833 □ PRO HEXADIONE CALCIUM □ VIVIFUL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>5 g/kg AGJAEF (66),15,95

ihl-rat LC50:>4210 μg/m³ AGJAEF (66),15,95

skn-rat LD50:>2 g/kg AGJAEF (66),15,95

orl-mus LD50:>5 g/kg AGJAEF (66),15,95

SAFETY PROFILE: Low toxicity by ingestion, skin contact, and inhalation. When heated to decomposition it emits acrid smoke and irritating vapors.**CPB075 CAS: 3289-28-9 HR: 2**
CYCLOHEXANECARBOXYLIC ACID, ETHYL ESTERmf: C₉H₁₆O₂ mw: 156.25**SYNS:** ETHOXYCARBONYLCYCLOHEXANE □ ETHYL CYCLOHEXANECARBOXYLATE □ ETHYL CYCLOHEXYLCARBOXYLATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3962 mg/kg DCTODJ 3,249,1980

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**CPB100 CAS: 694-83-7 HR: 2**
1,2-CYCLOHEXANEDIAMINE

mf: C₆H₁₄N₂ mw: 114.22**PROP:** Bp: 92–93° @ 18 mm, d: 0.931, flash p: 167°F.**SYN:** 1,2-DIAMINOCYCLOHEXANE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD JACTDZ 1,8,90

orl-rat LDLo:1 g/kg JACTDZ 1,8,90

ihl-rat LCLo:3200 mg/m³/4H TOXID9 12,357,92**SAFETY PROFILE:** Slightly toxic by ingestion and inhalation. A skin irritant. A combustible liquid. When heated to decomposition it emits toxic fumes of NO_x.**CPB120 CAS: 482-54-2 HR: 2
1,2-CYCLOHEXANEDIAMINETETRAACETIC ACID**mf: C₁₄H₂₂N₂O₈ mw: 346.38**SYNS:** ACETIC ACID, (1,2-

CYCLOHEXYLENEDINITRILLO)TETRA- □ CDTA □ CGTA □

CHEL 600 □ COMPLEXON IV □ 1,2-CYCLOHEXANEDIAMINE-

N,N,N',N'-TETRAACETIC ACID □ 1,2-CYCLOHEXYLENE

DIAMINETETRAACETIC ACID □ (1,2-CYCLOHEXYLENE

DINITRILLO)TETRAACETIC ACID □ CYDTA □ DCTA □ 1,2-

DIAMINOCYCLOHEXANETETRAACETIC ACID □ 1,2-

DIAMINOCYCLOHEXANE-N,N'-TETRAACETIC ACID □

GLYCINE, N,N¹-1,2-CYCLOHEXANEDIYLBIS(N-(CARBOXY

METHYL))- (9CI) □ KOMPLEXON IV □ KYSELINA 1,2-

CYCLOHEXYLENDIAMINETETRAOCTOVA □ OCTA

TOXICITY DATA with REFERENCE:

ipr-rat LD50:413 mg/kg TOLED5 32,37,86

ipr-mus LD50:150 mg/kg NTIS** AD691-490

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.**CPB150 CAS: 7517-76-2 HR: 3
trans-1,4-CYCLOHEXANEDIISOCYANATE**mf: C₈H₁₀N₂O₂ mw: 166.20**SYNS:** CYCLOHEXANE, 1,4-DIISOCYANATO-, trans- □ trans-1,4-

CYCLOHEXYLENEISOCYANATE □ trans-1,4-DIISOCYANATO

CYCLOHEXANE □ H-19218 □ ISOCYANIC ACID, 1,4-CYCLO

HEXYLENE ESTER, trans-(8CI)

TOXICITY DATA with REFERENCE:ihl-rat LCLo:90 mg/m³/4H NTIS** OTS0543429**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A poison by inhalation. When heated to decomposition it emits toxic vapors of NO_x.**CPB200 CAS: 765-87-7 HR: D
1,2-CYCLOHEXANEDIONE**mf: C₆H₈O₂ mw: 112.14**SYN:** 1,2-DIOXOCYCLOHEXANE**TOXICITY DATA with REFERENCE:**

unr-mus LD50:440 mg/kg PCJOAU 12,227,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by unspecified route. When heated to decomposition it emits acrid smoke and irritating vapors.**CPB500 CAS: 4442-85-7 HR: 3
CYCLOHEXANEETHYLAMINE**mf: C₈H₁₇N mw: 127.26**SYN:** WIN 5522-2**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:140 mg/kg JPETAB 106,341,52

ivn-mus LD50:44 mg/kg JPETAB 105,336,52

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**CPB550 CAS: 87-84-3 HR: 2
CYCLOHEXANE, 1,2,3,4,5-PENTABROMO-6-CHLORO-**mf: C₆H₆Br₅Cl mw: 513.12**SYNS:** CHLOROPENTABROMOCYCLOHEXANE □ FR 651A □

FR 651P □ FR 651P □ PENTABROMOCHLOROCYCLOHEXANE

□ 1,2,3,4,5-PENTABROMO-6-CHLOROCYCLOHEXANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg NTIS** OTS0530126

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic vapors of Br⁻ and Cl⁻.**CPB625 CAS: 1569-69-3 HR: 3
CYCLOHEXANETHIOL****DOT:** UN 3054mf: C₆H₁₂S mw: 116.24**PROP:** Oil. D: 0.991, bp: 158–160°. Sol in EtOH, CHCl₃; insol in H₂O.**SYNS:** CYCLOHEXYL MERCAPTAN (DOT) □ CYCLOHEXAN

THIOL □ CYCLOHEXYLMERKAPTAN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 2 mg/24H SEV 85JCAE -,984,86

eye-rbt 500 mg/24H MLD 85JCAE -,984,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**NIOSH REL:** (Cyclohexanethiol) CL 0.5 ppm/15M**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** An eye and severe skin irritant.When heated to decomposition it emits toxic fumes of SO_x. See also MERCAPTANS.**CPB650 CAS: 3570-93-2 HR: 3
1,2,3-CYCLOHEXANETRIONE TRIOXIME**mf: C₆H₉N₃O₃ mw: 171.16**PROP:** Pale-yellow crystals. Sol in Me₂CO, EtOH, MeOH.**SAFETY PROFILE:** Explodes violently when heated to 155°C. Potentially explosive reaction with sulfinyl chloride. When heated to decomposition it emits toxic fumes of NO_x.**CPB750 CAS: 108-93-0 HR: 3
CYCLOHEXANOL**

mf: C₆H₁₂O mw: 100.16

PROP: Colorless needles or viscous liquid; hygroscopic, camphor-like odor. Mp: 24°, bp: 161.5°, flash p: 154°F (CC), d: 0.9449 @ 25°/4°, vap press: 1 mm @ 21.0°, vap d: 3.45, autoign temp: 572°F. Sol in EtOH, Et₂O; mod sol in H₂O; misc in nonpolar solvents. IDLH 400 ppm.

SYNS: ADRONAL □ ANOL □ CICLOESANOLO (ITALIAN) □ CYCLOHEXYL ALCOHOL □ CYKLOHEKSANOL (POLISH) □ HEXAHYDROPHENOL □ HEXALIN □ HYDRALIN □ HYDROPHENOL □ HYDROXYCYCLOHEXANE □ NAXOL

TOXICITY DATA with REFERENCE:

eye-hmn 100 ppm JIHTAB 25,282,43
 skn-rbt 14,600 µg/24H open MLD AIHAAP 23,95,62
 eye-rbt 2 mg SEV AJOPAA 29,1363,46
 cyt-hmn:leu 100 µmol/L DBTEAD 19,215,71
 dnd-mam:lym 150 mmol/L PNASA6 48,686,62
 ihl-hmn TClO:75 ppm:NOSE,EYE,PUL JIHTAB 25,282,43
 orl-rat LD50:2060 mg/kg MDZEAK 8,244,67
 ipr-mus LD50:1352 mg/kg ARZNAD 19,1254,69
 scu-mus LD50:2480 mg/kg REMBA8 5,7,67
 ivn-mus LD50:272 mg/kg AIPTAK 135,342,62
 ims-mus LD50:1000 mg/kg JSICAZ 21,342,62
 orl-rbt LDLo:2200 mg/kg JIHTAB 25,199,43
 skn-rbt LDLo:12 g/kg JIHTAB 25,199,43
 ipr-rbt LDLo:1420 mg/kg JPMRAB 3,1,28

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

OSHA PEL: TWA 50 ppm (skin)

ACGIH TLV: TWA 50 ppm (skin)

DFG MAK: 50 ppm (210 mg/m³)

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion, subcutaneous, and intramuscular routes. Mildly toxic by skin contact. Human systemic effects by inhalation: conjunctiva irritation and changes in the olfactory and respiratory systems. Has caused damage to kidneys, liver, and blood vessels in experimental animals. Experimental reproductive effects. Human mutation data reported. A severe eye irritant. Narcotic-like action. Flammable when exposed to heat or flame; can react with oxidizing materials. Ignites on contact with chromium trioxide. Violent reaction with HNO₃. Incompatible with oxidants. To fight fire, use alcohol foam, foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes. See also ALCOHOLS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Alcohols III, 1402.

CPC000 CAS: 108-94-1 HR: 3
CYCLOHEXANONE

DOT: UN 1915

mf: C₆H₁₀O mw: 98.16

PROP: Colorless oily liquid; acetone-like odor. Mp: -45.0°, bp: 155°, ULC: 35-40, lel: 1.1% @ 100°, flash p: 111°F, d: 0.9478 @ 20°/4°, autoign temp: 788°F, vap press: 10 mm @ 38.7°, vap d: 3.4. Mod sol in H₂O. IDLH 700 ppm.

SYNS: CICLOESANONE (ITALIAN) □ CYCLOHEXANON (DUTCH) □ CYKLOHEKSANON (POLISH) □ HEXANON □ KETOHEXAMETHYLENE □ NADONE □ NCI-C55005 □

PIMELIC KETONE □ RCRA WASTE NUMBER U057 □ SEXTONE

TOXICITY DATA with REFERENCE:

eye-hmn 75 ppm JIHTAB 25,282,43
 skn-rbt 500 mg open MLD UCDS**
 eye-rbt 4740 µg SEV AJOPAA 29,1363,46
 mma-sat 20 µL/L EJMBAA 28,213,83
 mmo-bcs 200 µL/L EJMBAA 28,213,83
 sce-ham:ovr 7500 µL/L ENMUDM 7(Suppl 3),60,85
 ihl-hmn TClO:75 ppm:NOSE,EYE,PUL JIHTAB 25,282,43
 orl-rat LD50:1535 mg/kg AIHAAP 30,470,69
 ihl-rat LC50:8000 ppm/4H NPRI* 1,18,74
 scu-rat LD50:2170 mg/kg JIHTAB 25,415,43
 orl-mus LD50:1400 mg/kg NTIS** AD-A066-307
 ipr-mus LD50:1350 mg/kg COREAF 254,2245,62
 scu-mus LDLo:1300 mg/kg AEXPL 50,199,1903
 ivn-dog LDLo:630 mg/kg 14CYAT 2,1719,63
 orl-rbt LDLo:1600 mg/kg JIHTAB 25,199,43
 skn-rbt LD50:948 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 25 ppm (skin)

ACGIH TLV: TWA 20 ppm, STEL 50 ppm (skin); Confirmed Animal Carcinogen

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Ketone (Cyclohexanone)) TWA 100 mg/m³

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Suspected carcinogen. Moderately toxic by ingestion, inhalation, subcutaneous, intravenous, and intraperitoneal routes. A skin and severe eye irritant. Human systemic effects by inhalation: changes in the sense of smell, conjunctiva irritation, and unspecified respiratory system changes. Human irritant by inhalation. Mild narcotic properties have also been ascribed to it. Human mutation data reported. Experimental reproductive effects. Flammable liquid when exposed to heat or flame; can react vigorously with oxidizing materials. Slight explosion hazard in its vapor form, when exposed to flame. Explosive reaction with nitric acid at 75°C. Reaction with hydrogen peroxide + nitric acid forms an explosive peroxide. To fight fire, use alcohol foam, dry chemical, or CO₂. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES and CYCLOHEXANE.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #01 or NIOSH: Ketones I (Desorption in CS₂), 1300.

CPC250 HR: 3
CYCLOHEXANONE-Δ

mf: C₆H₈O mw: 96.12

PROP: Liquid. Bp: 155.5°, flash p: 93°F (CC), vap d: 3.31, vap press: 4 mm @ 20°.

SAFETY PROFILE: Skin contact can cause a dermatitis. Irritating to eyes, skin, and mucous membranes. Can damage the liver and kidneys. Dangerous fire hazard when exposed to flame and heat; can react

with oxidizing materials. To fight fire, use CO₂, dry chemical.

CPC300 CAS: 78-18-2 HR: 2
CYCLOHEXANONE PEROXIDE

mf: C₁₂H₂₂O₅ mw: 246.34

SYNS: CYCLOHEXANOL, 1-((1-HYDROPEROXYCYCLOHEXYL) DIOXY)- □ 1-HYDROPEROXY-CYCLOHEXYL-1-HYDROXY CYCLOHEXYL PEROXIDE □ 1-HYDROXY-1-HYDROPEROXY DICYCLOHEXYL PEROXIDE □ 1-HYDROXY-1'-HYDROPEROXY DICYCLOHEXYL PEROXIDE □ PEROXIDE, 1-HYDROPEROXY CYCLOHEXYL 1-HYDROXYCYCLOHEXYL

TOXICITY DATA with REFERENCE:

eye-rbt 80 mg/1M RNS SEV ZAARAM 8,25,58

par-mus LD50:2 g/kg NCPBBY Jan/Feb,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Strong Skin Effects

SAFETY PROFILE: Slightly toxic by parenteral route. A severe eye and skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

CPC579 CAS: 110-83-8 HR: 3
CYCLOHEXENE

DOT: UN 2256

mf: C₆H₁₀ mw: 82.15

PROP: Colorless liquid. Bp: 83°, fp: -103.7°, flash p: <21.2°F, d: 0.8102 @ 20°/4°, vap press: 160 mm @ 38°, autoign temp: 590°F, vap d: 2.8, lel: 1.2%. IDLH 2000 ppm.

SYNS: BENZENETETRAHYDRIDE □ CYKLOHEKSEN (POLISH) □ 1,2,3,4-TETRAHYDROBENZENE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: 300 ppm

ACGIH TLV: 300 ppm

DFG MAK: 300 ppm (1000 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by inhalation and ingestion. A very dangerous fire hazard when exposed to flame; can react with oxidizers. Dangerous; keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Hydrocarbons.

CPC625 CAS: 100-45-8 HR: 2
3-CYCLOHEXENE-1-CARBONITRILE

mf: C₇H₉N mw: 107.17

SYN: 3-CYCLOHEXENENYL CYANIDE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg open AMIHBC 10,61,54

eye-rbt 500 mg/24H MLD 85JCAE -,903,86

orl-rat LD50:460 mg/kg AMIHBC 10,61,54

ihl-rat LCLo:124 ppm/4H AMIHBC 10,61,54

skn-rbt LD50:9460 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. A skin and eye irritant. When heated to

decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

CPC650 CAS: 4771-80-6 HR: 2
3-CYCLOHEXENE-1-CARBOXYLIC ACID

mf: C₇H₁₀O₂ mw: 126.17

PROP: A liquid. Mp: 17°, bp: 237° @ 745 mm.

SYN: KYSELINA 1,2,5,6-TETRAHYDROBENZOOVA

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AMIHBC 10,61,54

skn-rbt 5 mg/24H SEV 85JCAE -,315,86

eye-rbt 250 µg open SEV AMIHBC 10,61,54

orl-rat LD50:4260 mg/kg AMIHBC 10,61,54

skn-rbt LD50:1000 mg/kg AMIHBC 10,61,54

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

CPD000 CAS: 286-20-4 HR: 3
CYCLOHEXENE OXIDE

mf: C₆H₁₀O mw: 98.16

PROP: Clear liquid. Bp: 130–131°, flash p: 81°F, d: 0.9678 @ 25°/4°, vap d: 3.5.

SYNS: CCHO □ CYCLOHEXANE OXIDE □ CYCLOHEXENE EPOXIDE □ CYCLOHEXENE-1-OXIDE □ 1,2-CYCLOHEXENE OXIDE □ CYCLOHEXYLENE OXIDE □ 1,2-EPOXYCYCLOHEXANE □ 7-OXABICYCLO(4.1.0)HEPTANE □ TETRA METHYLENEOXIRANE

TOXICITY DATA with REFERENCE:

mno-klp 5 mmol/L MUREAV 89,269,81

mno-sat 10 µmol/plate BCPA6 29,1068,80

mma-sat 1 mg/plate MUREAV 58,217,78

msc-ham:lng 5 mmol/L CBINA8 51,77,84

orl-rat LD50:1090 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:2000 ppm/4H AIHAAP 30,470,69

ipr-rat LD50:549 mg/kg TXAPA9 52,422,80

ims-mus LD50:1000 mg/kg JSICAZ 21,342,62

skn-rbt LD50:630 mg/kg AIHAAP 30,470,69

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

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, intraperitoneal, and intramuscular routes. Mildly toxic by inhalation. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. A flammable liquid and dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritant fumes.

CPD250 CAS: 930-68-7 HR: 3
2-CYCLOHEXEN-1-ONE

mf: C₆H₈O mw: 96.14

PROP: A liquid. Bp: 169–171°.

SYN: CYCLOHEXENONE

TOXICITY DATA with REFERENCE:

eye-rbt 98 mg AIHAAP 33,338,72

mno-sat 15 mmol/L MUREAV 93,305,82

dns-rat:lvrt 10 µmol/L MUREAV 221,263,89

orl-rat LD50:220 mg/kg AIHAAP 33,338,72

ihl-rat LC50:250 ppm/4H AIHAAP 33,338,72

ipr-mus LD50:170 mg/kg ZolH## 23OCT75

skn-rbt LD50:70 mg/kg AIHAAP 33,338,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by ingestion, inhalation, intraperitoneal, and skin contact routes. Mutation data reported. When heated to decomposition it emits acrid smoke and irritant fumes. See also KETONES.

CPD300 CAS: 4711-96-0 HR: 3
2-(4-CYCLOHEXENYL)BICYCLO(2.2.1)HEPT-5-ENE

SYN: BICYCLO(2.2.1)HEPT-5-ENE, 2-(4-CYCLOHEXENYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:4290 µL/kg AIHAAP 30,470,69

skn-rbt LD50:3540 µL/kg AIHAAP 30,470,69

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

CPD500 CAS: 19143-00-1 HR: 3
S-2-((4-CYCLOHEXEN-3-YLBUTYL)AMINO)ETHYL THIOSULFATE

mf: C₁₂H₂₃NO₃S₂ mw: 293.48

SYN: 2-((4-CYCLOHEXEN-3-YLBUTYL)AMINO)ETHANETHIOL HYDROGEN SULFATE (ESTER)

TOXICITY DATA with REFERENCE:

orl-mus LD50:900 mg/kg JMCAR 11,1190,68

ipr-mus LD50:75 mg/kg JMCAR 11,1190,68

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. See also THIOSULFATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

CPD625 CAS: 77251-47-9 HR: 2
1-(2-CYCLOHEXEN-1-YLCARBONYL)-2-METHYL PIPERIDINE

mf: C₁₃H₂₁NO mw: 207.35

SYN: A13-37220

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-A087-646

eye-rbt 100 mg/24H MLD NTIS** AD-A087-646

orl-rat LDLo:1270 mg/kg NTIS** AD-A087-646

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

CPD630 CAS: 69462-43-7 HR: 2
1-(3-CYCLOHEXEN-1-YLCARBONYL)-2-METHYL PIPERIDINE

mf: C₁₃H₂₁NO mw: 207.35

SYNS: A13-37220 □ PIPERIDINE, 1-(3-CYCLOHEXEN-1-YLCARBONYL)-2-METHYL-(9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-A087-646

eye-rbt 100 mg/24H MLD NTIS** AD-A087-646

orl-rat LDLo:1270 mg/kg NTIS** AD-A087-646

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

CPD650 CAS: 1820-50-4 HR: 1

3-(3-CYCLOHEXENYL)-2,4-DIOXASPIRO(5.5)UNDEC-8-ENE

mf: C₁₅H₂₂O₂ mw: 234.37

SYN: 2,4-DIOXASPIRO(5.5)UNDEC-8-ENE, 3-(3-CYCLOHEXENYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:5190 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CPD750 CAS: 100-40-3 HR: 3
CYCLOHEXENYLETHYLENE

mf: C₈H₁₂ mw: 108.20

PROP: Liquid. Bp: 128°, fp: -109°, flash p: 60°F (TOC), d: 0.832 @ 20°/4°, autoign temp: 517°F, vap press: 25.8 mm @ 38°, vap d: 3.76.

SYNS: BUTADIENE DIMER □ 4-ETHENYL-1-CYCLOHEXENE

□ NCI-C54999 □ 1,2,3,4-TETRAHYDROSTYRENE □ 1-VINYL-

CYCLOHEXENE-3 □ 1-VINYLCYCLOHEX-3-ENE □ 4-VINYL-

CYCLOHEXENE □ 4-VINYLCYCLOHEXENE-1 □ 4-VINYL-1-

CYCLOHEXENE

TOXICITY DATA with REFERENCE:

orl-mus TDLo:103 g/kg/2Y-I:CAR,REP JTEHD6 21,507,87

orl-mus TD:103 g/kg/2Y-I:NEO,REP NTPTR* NTP-TR-303,86

orl-rat LD50:2563 mg/kg AIHAAP 30,470,69

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

ihl-mus LC50:27,000 mg/m³ IARC** 11-,76

skn-rbt LD50:16,640 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence

IMEMDT 11,277,76; Animal Limited Evidence

IMEMDT 39,181,86. NTP Carcinogenesis Studies

(gavage); Clear Evidence: mouse NTPTR* NTP-TR-

303,86; Inadequate Studies: rat NTPTR* NTP-TR-303,86.

Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 0.1 ppm (skin); Animal Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Moderately toxic by ingestion and inhalation. Mildly toxic by skin contact. Experimental reproductive effects. Dangerous fire hazard when exposed to heat, flame, or oxidizers. Can react with oxidizers. To fight fire, use foam, CO₂, dry chemical.

CPE125 CAS: 4845-05-0 HR: 3
2-CYCLOHEXENYL HYDROPEROXIDE

mf: C₆H₁₀O₂ mw: 114.14

SAFETY PROFILE: A heat-sensitive explosive. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES and EXPLOSIVES.

CPE500 CAS: 10137-69-6 HR: 2
CYCLOHEXENYL TRICHLOROSILANE
DOT: UN 1762

mf: C₆H₉Cl₃Si mw: 215.59**PROP:** Colorless, fuming liquid; HCl odor. Bp: 202°, d: 1.263 @ 25°/25°, flash p: 200°F (COC).**SYNS:** CYCLOHEXENE, 4-(TRICHLOROSILYL)- □ CYCLOHEXENYLTRICHLOROSILANE (DOT) □ TRICHLORO-3-CYCLOHEXENYLSILANE**TOXICITY DATA with REFERENCE:**

skn-rbt 5 mg/24H SEV 85JCAE -,1227,86
 eye-rbt 250 µg/24H SEV 85JCAE -,1227,86
 orl-rat LD50:2830 mg/kg AIHAAP 23,95,62
 skn-rbt LD50:630 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. An eye and severe skin irritant. A corrosive material. It fumes in moist air, releasing HCl. Combustible when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.**CPE750 CAS: 66-81-9 HR: 3
CYCLOHEXIMIDE**mf: C₁₅H₂₃NO₄ mw: 281.39**PROP:** Crystals. Mp: 119–121°. Moderately sol in water; sol in chloroform, ether, and acetone.**SYNS:** ACTI-AID □ ACTIDIONE □ ACTIDIONE TGF □ ACTIDONE □ ACTISPRAY □ 3-(2-(3,5-DIMETHYL-2-OXOCYCLOHEXYL)-2-HYDROXYETHYL)GLUTARIMIDE □ HIZAROCIN □ KAKEN □ NARAMYCIN □ NEOCYCLOHEXIMIDE □ NSC-185 □ U-4527**TOXICITY DATA with REFERENCE:**

skn-rbt 5 mg/24H rns TXCYAC 14,117,49
 skn-rbt 1%/24H MOD NTIS** PB-274-414
 dni-hmn:oth 100 mg/L BBACAQ 696,15,82
 dni-hmn:oth 300 nmol/L CNREA8 44,2421,84
 orl-rat LD50:2 mg/kg UPJOH* 2(6),-,71
 ipr-rat LD50:3700 µg/kg JPETAB 136,400,62
 scu-rat LD50:2500 µg/kg ANTCAO 10,682,60
 ivn-rat LD50:2 mg/kg ANTCAO 10,682,60
 orl-mus LD50:133 mg/kg UPJOH* 2(6),-,71
 ipr-mus LD50:100 mg/kg CNCRA6 30,9,63
 scu-mus LD50:160 mg/kg UPJOH* 2(6),-,71
 ivn-mus LD50:150 mg/kg JACSAT 69,474,47
 orl-dog LD50:65 mg/kg PCOC** -,292,66
 orl-mky LD50:60 mg/kg GUCHAZ 6,146,73

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. EPA Genetic Toxicology Program.**SAFETY PROFILE:** A poison by ingestion, subcutaneous, intraperitoneal and intravenous routes. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. A skin irritant. A pesticide. When heated to decomposition it emits toxic fumes of NO_x.**CPF000 CAS: 622-45-7 HR: 3
CYCLOHEXYL ACETATE****DOT:** UN 2243mf: C₈H₁₄O₂ mw: 142.22**PROP:** Pale-yellow liquid; fruity odor. Bp: 177°, d: 0.996, vap d: 4.9, flash p: 136°F, autoign temp: 633°F.**SYNS:** CYCLOHEXANOL ACETATE □ CYCLOHEXANOL

AZETAT (GERMAN) □ CYCLOHEXANYL ACETATE □ CYCLOHEXYLESTER KYSELINY OCTOVE

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MOD 85JCAE -,359,86
 eye-rbt 500 mg/24H MLD 85JCAE -,359,86
 ihl-hmn TCLo:3000 mg/m³/45M:IRR AHYGAJ 78,260,13
 orl-rat LD50:6730 mg/kg TXAPA9 28,313,74
 scu-cat LDLo:606 mg/kg AHYGAJ 78,260,13
 skn-rbt LD50:10 g/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by subcutaneous route. Mildly toxic by ingestion and skin contact. Human systemic effects by inhalation: conjunctiva irritation and unspecified respiratory system changes. A systemic irritant to humans. A skin and eye irritant. Flammable liquid when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes.**CPF500 CAS: 108-91-8 HR: 3
CYCLOHEXYLAMINE****DOT:** UN 2357mf: C₆H₁₃N mw: 99.20**PROP:** Liquid; strong, fishy odor. Mp: -17.7°, bp: 134.5°, flash p: 69.8°F, d: 0.865 @ 25°/25°, autoign temp: 560°F, vap d: 3.42. Misc in H₂O, org solvs.**SYNS:** AMINOCYCLOHEXANE □ AMINOHEXAHYDRO BENZENE □ CHA □ CYCLOHEXANAMINE □ HEXAHYDRO ANILINE □ HEXAHYDROBENZENAMINE**TOXICITY DATA with REFERENCE:**

skn-hmn 125 mg/48H SEV AMIHBC 5,311,52
 cyt-hmn:leu 10 µmol/L/5H MUREAV 39,1,76
 cyt-ham:fbr 10 mg/L MUREAV 39,1,76
 dni-hmn:hla 100 µg/L INHEAO 9,188,71
 orl-rat LD50:156 mg/kg SKEZAP 14,542,73
 ihl-rat LC50:7500 mg/m³ GTPZAB 7(11),51,63
 orl-mus LD50:224 mg/kg 85GMAT -,41,82
 ihl-mus LC50:1070 mg/m³ GTPZAB 7(11),51,63
 scu-mus LD50:1150 mg/kg VOONAW 4,659,58
 ipr-mus LD50:129 mg/kg PCJOAU 22,469,88
 skn-rbt LD50:277 mg/kg AIHAAP 30,470,69
 par-rbt LDLo:500 mg/kg IECHAD 29,1247,37
 ipr-mam LD50:200 mg/kg AMIHBC 5,311,52

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,178,87; Animal Limited Evidence IMEMDT 7,178,87. EPA Extremely Hazardous Substances List. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 10 ppm**ACGIH TLV:** TWA 10 ppm; Not Classifiable as a Human Carcinogen**DFG MAK:** 10 ppm (41 mg/m³)**DOT CLASSIFICATION:** 8; Label: Corrosive, Flammable Liquid**SAFETY PROFILE:** A poison by ingestion, skin contact, and intraperitoneal routes. Experimental teratogenic and reproductive effects. A severe human skin irritant. Can cause dermatitis and convulsions. Human mutation data reported. Questionable carcinogen.

Flammable liquid. Dangerous fire hazard when exposed to heat, flame, or oxidizers. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

CPF750 CAS: 19834-02-7 HR: 2
CYCLOHEXYLAMINE SULFATE

mf: C₆H₁₃N•H₂O₄S mw: 197.28

SYNS: CHA-SULFATE □ CHS □ CYCLOHEXAMINE SULFATE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also AMINES and SULFATES.

CPG000 CAS: 58695-41-3 HR: 2
CYCLOHEXYLAMINO ACETIC ACID

mf: C₈H₁₅NO₂ mw: 157.24

SYNS: CYKLOHEXYLAMINACETAT (CZECH) □ OCTAN CYKLOHEXYLAMINU (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,64,72

eye-rbt 500 mg/24H MLD 28ZPAK -,64,72

orl-rat LD50:2120 mg/kg 28ZPAK -,64,72

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

CPG125 CAS: 2842-38-8 HR: 1
2-(CYCLOHEXYLAMINO)ETHANOL

mf: C₈H₁₇NO mw: 143.26

SYNS: ABROMEEN E-25 □ N-(2-HYDROXYETHYL) CYCLOHEXYLAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:38,300 mg/kg 34ZIAG -,61,69

SAFETY PROFILE: Very mildly toxic by ingestion. An experimental teratogen. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x.

CPG250 CAS: 65210-28-8 HR: 3
2-(2-(CYCLOHEXYLAMINO))ETHYL-2-METHYL-1,3-BENZODIOXOLE HYDROCHLORIDE

mf: C₁₆H₂₃NO₂•ClH mw: 297.86

TOXICITY DATA with REFERENCE:

ivn-rat LD50:20 mg/kg EJMCA5 12,413,77

ipr-mus LD50:79 mg/kg EJMCA5 12,413,77

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

CPG500 CAS: 57281-35-3 HR: 3
4-(CYCLOHEXYLAMINO)-1-(NAPHTHALENYL OXY)-2-BUTANOL

mf: C₂₀H₂₇NO₂ mw: 313.48

SYN: CHINOIN 103

TOXICITY DATA with REFERENCE:

orl-mus LD50:178 mg/kg DRFUD4 4,12,79

ivn-mus LD50:50 mg/kg DRFUD4 4,12,79

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.

CPG625 CAS: 64011-62-7 HR: 3
di-1-CYCLOHEXYL-2-AMINOPROPANE HYDROCHLORIDE

mf: C₉H₁₉N•ClH mw: 177.75

SYN: (±)-α-METHYLCYCLOHEXANEETHYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:65 mg/kg JPETAB 100,267,50

ipr-rbt LDLo:100 mg/kg JPETAB 100,267,50

ipr-gpg LDLo:50 mg/kg JPETAB 100,267,50

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x and HCl.

CPG700 CAS: 103-00-4 HR: 3
1-CYCLOHEXYLAMINO-2-PROPANOL

mf: C₉H₁₉NO mw: 157.29

SYNS: 2-PROPANOL, 1-(CYCLOHEXYLAMINO)- □ USAF DO-19

TOXICITY DATA with REFERENCE:

ipr-mus LD50:100 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CPH250 CAS: 34961-28-9 HR: 2
CYCLOHEXYLAMMONIUM FORMATE

mf: CH₂O₂•C₆H₁₃N mw: 145.23

TOXICITY DATA with REFERENCE:

skn-hmn 250 mg/48H SEV AMIHBC 5,311,52

skn-rbt 500 mg MOD AMIHBC 5,311,52

ipr-mam LD50:580 mg/kg AMIHBC 5,311,52

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A severe human skin irritant. When heated to decomposition it emits toxic fumes of NO_x and NH₃. See also FORMIC ACID and CYCLOHEXYLAMINE.

CPH500 CAS: 15860-21-6 HR: 2
CYCLOHEXYLAMMONIUM STEARATE

mf: C₁₈H₃₆O₂•C₆H₁₃N mw: 383.74

SYN: STEARIC ACID with CYCLOHEXYLAMINE (1:1)

TOXICITY DATA with REFERENCE:

skn-hmn 500 mg/48H SEV AMIHBC 5,311,52

skn-rbt 500 mg MLD AMIHBC 5,311,52

ipr-mam LD50:4 g/kg AMIHBC 5,311,52

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A severe human skin irritant. When heated to decomposition it emits toxic fumes of NO_x and NH₃. See also STEARIC ACID and CYCLOHEXYLAMINE.

CPI000 CAS: 13311-57-4 HR: 2
N-CYCLOHEXYL-1-AZIRIDINECARBOXAMIDE

mf: C₉H₁₆N₂O mw: 168.27

SYNS: CYCLOHEXYL-N-CARBAMOYL AZIRIDINE □ N-CYCLOHEXYL-N-CARBAMOYL AZIRIDINE

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

CPI250 CAS: 95-33-0 HR: 3**N-CYCLOHEXYL-2-BENZOTHAZOLESULFENAMIDE**mf: C₁₃H₁₆N₂S₂ mw: 264.43**PROP:** Light tan or buff powder. Mp: 103–104°, d: 1.27 @ 25°.

SYNS: ACCELERATOR CZ □ ACCICURE HBS □ BENZO THIAZYL-2-CYCLOHEXYLSULFENAMIDE □ CBS □ CONAC A □ CONAC S □ CURAX □ N-CYCLOHEXYL-2-BENZO-THIAZOLE SULFENAMIDE □ N-CYCLOHEXYL-2-BENZO-THIAZYL SULFENAMIDE □ DELAC S □ DURAX □ EKAGOM CBS □ NOCCERL CZ □ PENNAC CBS □ RHODIFAX 16 □ ROYAL CBTS □ SANCELER CM-PO □ SANTOCURE □ SANTOCURE VULCANIZATION ACCELERATOR □ SOXINOL CZ □ SULFENAMIDE TS □ SULFENAX □ SULFENAX CB □ SULFENAX CB 30 □ SULFENAX CB/K □ THIOHEXAM □ VULCAFOR CBS □ VULCAFOR HBS □ VULKACIT C □ VULKACIT CZ □ VULKACIT CZ/C □ VULKACIT CZ/K

TOXICITY DATA with REFERENCE:

orl-rat LD50:5300 mg/kg JACTDZ 1,105,90

ivn-mus LD50:32 mg/kg CSLNX* NX#02243

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by intravenous route. Questionable carcinogen with experimental tumorigenic data. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

CPI300 CAS: 1551-44-6 HR: 1**CYCLOHEXYL BUTYRATE**mf: C₁₀H₁₈O₂ mw: 170.28

SYNS: BUTANOIC ACID, CYCLOHEXYL ESTER (9CI) □ BUTYRIC ACID, CYCLOHEXYL ESTER □ CYCLOHEXYL BUTANOATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 26,293,88

skn-gpg LD50:>5 g/kg FCTOD7 26,293,88

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.

CPI350 CAS: 63441-20-3 HR: 1**1-(CYCLOHEXYLCARBONYL)-3-METHYL PIPERIDINE**mf: C₁₃H₂₃NO mw: 209.37

SYNS: AI3-36537 □ PIPERIDINE, 1-(CYCLOHEXYLCARBONYL)-3-METHYL-

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD AEHA** 51-029-76

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

CPI375 CAS: 32921-23-6 HR: 3**4-(CYCLOHEXYLCARBONYL)PYRIDINE**mf: C₁₂H₁₅NO mw: 189.28

SYNS: CYCLOHEXYL 4-PYRIDYL KETONE □ KETONE, CYCLOHEXYL 4-PYRIDYL □ PYRIDINE, 4-(CYCLOHEXYLCARBONYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:175 mg/kg JMCMAR 14,551,71

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.

CPI380 CAS: 63697-52-9 HR: 2
1-(CYCLOHEXYLCARBONYL)-1,2,3,6-TETRAHYDRO-1-HYDROPYRIDINEmf: C₁₂H₁₉NO mw: 193.32

SYNS: AI3-36542 □ PYRIDINE, 1,2,3,6-TETRAHYDRO-1-(CYCLOHEXYLCARBONYL)-

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD NTIS** AD-A036-866

orl-rat LDLo:2200 mg/kg NTIS** AD-A036-866

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

CPI400 CAS: 542-18-7 HR: 1
CYCLOHEXYL CHLORIDEmf: C₆H₁₁Cl mw: 118.62

SYNS: CHLOROCYCLOHEXANE □ CYCLOHEXANE, CHLORO- □ MONOCHLOROCYCLOHEXANE

TOXICITY DATA with REFERENCE:ihl-rat LCLo:31 g/m³ GTPZAB 10(1),49,66ihl-mus LC50:31 g/m³/2H 85GMAT -,36,82**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

SAFETY PROFILE: Slightly toxic by inhalation. When heated to decomposition it emits toxic vapors of Cl⁻.

CPJ000 CAS: 32808-51-8 HR: 3
4-(4-CYCLOHEXYL-3-CHLOROPHENYL)-4-OXOBUTYRIC ACIDmf: C₁₆H₁₉ClO₃ mw: 294.80**PROP:** A solid. Mp: 90–92°

SYNS: l'ACIDE BUCLOXIQUE (FRENCH) □ BENZENE BUTANOIC ACID, 3-CHLORO-4-CYCLOHEXYL-α-OXO- □ BUCLOSINSAEURE (GERMAN) □ BUCLOXIC ACID □ BUCLOXONIC ACID □ 804 CB □ 3-(3-CHLORO-4-CYCLOHEXYLBENZOYL)PROPIONIC ACID □ 3-CHLORO-4-CYCLOHEXYL-α-OXOBENZENE BUTANOIC ACID □ 4-(3-CHLORO-4-CYCLOHEXYLPHENYL)-4-OXO-BUTYRIC ACID □ ESFAIR

TOXICITY DATA with REFERENCE:

orl-rat LD50:120 mg/kg ARZNAD 24,1364,74

ipr-rat LD50:195 mg/kg ARZNAD 24,1398,74

orl-mus LD50:852 mg/kg ARZNAD 24,1398,74

ipr-mus LD50:1100 mg/kg ARZNAD 24,1364,74

SAFETY PROFILE: Poison by intraperitoneal and ingestion routes. Experimental teratogenic and reproductive effects. An anti-inflammatory agent. When heated to decomposition it emits toxic fumes of Cl⁻.

CPJ250 CAS: 32808-53-0 HR: 3
4-(4-CYCLOHEXYL-3-CHLOROPHENYL)-4-OXOBUTYRIC ACID CALCIUM SALTmf: C₃₂H₃₆Cl₂O₆•Ca mw: 627.66

SYNS: ACIDE BUCLOXIQUE CALCIUM (FRENCH) □ l'ACIDE (CYCLOHEXYL-4, CHLORO-3, PHENYL)-4,OXO-4, BUTYRIQUE CALCIUM (FRENCH) □ BUCLOXIC ACID CALCIUM □ BUCLOXIC ACID CALCIUM SALT □ BUCLOXINSAEURE KALZIUM (FERMAN) □ BUCLOXONIC ACID CALCIUM SALT □ CALCIUM BUCLOXATE □ CALCIUM ESFA □ CB 804 CALCIUM □ 4-(3-CHLOR-4-CYCLOHEXYL-PHENYL)-4-OXO-BUTTERSAEURE KALZIUM (GERMAN) □ 3-(3-CHLORO-4-CYCLOHEXYL BENZOYL)PROPIONIC ACID CALCIUM SALT □ 3-CHLORO-4-CYCLOHEXYL- α -OXO-BENZENE BUTANOIC ACID □ 3-CHLORO-4-CYCLOHEXYL- α -OXOBENZENE BUTANOIC ACID CALCIUM SALT □ 4-(3-CHLORO-4-CYCLOHEXYLPHENYL)-4-OXOBUTYRIC ACID CALCIUM SALT □ ESFA CALCIUM

TOXICITY DATA with REFERENCE:

orl-rat LD50:175 mg/kg ARZNAD 24,1364,74
ipr-rat LD50:200 mg/kg ARZNAD 24,1364,74
orl-mus LD50:1700 mg/kg ARZNAD 24,1360,74
ipr-mus LD50:1700 mg/kg ARZNAD 24,1364,74

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Used as an anti-inflammatory agent. When heated to decomposition it emits toxic fumes of Cl^- .

CPJ500 CAS: 92-64-8 HR: 3
CYCLOHEXYLCYANOETHYLETHANOLAMINE

mf: $\text{C}_{11}\text{H}_{14}\text{N}_2\text{O}$ mw: 190.27

SYNS: 2-(N-(2-CYANOETHYL)-N-CYCLOHEXYL)AMINO-ETHANOL □ N-(β -CYANOETHYL)-N-(β -HYDROXYETHYL)-ANILINE □ N-(β -HYDROXYETHYL)-N-(β -KYANETHYLANILIN (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,162,73
orl-rat LD50:3210 mg/kg GISAAA 53(10),92,88
orl-mus LD50:1450 mg/kg GISAAA 53(10),92,88
ipr-mus LD50:200 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x and CN^- . See also NITRILES.

CPJ525 CAS: 59330-98-2 HR: 2
CYCLOHEXYLDICHLORO BENZENE

mf: $\text{C}_{12}\text{H}_{14}\text{Cl}_2$ mw: 229.16

SYNS: BENZENE, DICHLOROCYCLOHEXYL- □ CYCLOHEXANE, DICHLOROPHENYL- □ DICHLOROCYCLOHEXYLBENZENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4750 mg/kg AZMZA6 61(9),3,84
orl-mus LD50:3600 mg/kg AZMZA6 61(9),3,84

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

CPJ600 CAS: 57063-29-3 HR: D
2-CYCLOHEXYL-4,5-DICHLORO-4-ISOTHIAZOLIN-3-ONE

mf: $\text{C}_9\text{H}_{12}\text{Cl}_2\text{NOS}$ mw: 253.18

SYNS: 3(2H)-ISOTHIAZOLONE, 4,5-DICHLORO-2-CYCLOHEXYL- □ RH 948

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

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

CPK000 HR: 2
N-CYCLOHEXYL-N-DIETHYLTHIOCARBONYL SULFONAMIDE

SYN: THIOPEPTEX

TOXICITY DATA with REFERENCE:

skn-hmn 250 mg/48H MOD AMIHBC 5,311,52
skn-rbt 500 mg MLD AMIHBC 5,311,52
ipr-mam LD50:1200 mg/kg AMIHBC 5,311,52

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A human skin irritant. When heated to decomposition it emits very toxic fumes of SO_x .

CPK100 CAS: 42754-23-4 HR: 2
CYCLOHEXYL 4-(1,1-(DIMETHYLETHYL) PHENYL)METHYL-3-PYRIDINYLCARBO NIMIDODITHIOATE

mf: $\text{C}_{23}\text{H}_{30}\text{N}_2\text{OS}_2$ mw: 414.67

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, CYCLOHEXYL 4-(1,1-(DIMETHYLETHYL)PHENYL)METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #3899582

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

CPK500 CAS: 131-89-5 HR: 3
2-CYCLOHEXYL-4,6-DINITROPHENOL

mf: $\text{C}_{12}\text{H}_{14}\text{N}_2\text{O}_5$ mw: 266.28

PROP: Crystals. Mp: 104°

SYNS: 6-CYCLOESIL-2,4-DINITRO-FENOLO (ITALIAN) □ 2-CYCLOHEXYL-4,6-DINITROFENOL (DUTCH) □ 6-CYCLOHEXYL-2,4-DINITROPHENOL □ DINEX □ DINITROCYCLOHEXYLPHENOL □ DINITRO-*o*-CYCLO-HEXYLPHENOL □ 2,4-DINITRO-6-CYCLOHEXYL-PHENOL □ 4,6-DINITRO-*o*-CYCLOHEXYLPHENOL □ DINITROCYCLOHEXYLPHENOL (DOT) □

DN DRY MIX No. 1 □ DN DUST No. 12 □ DNOCHP □ DOWSPRAY 17 □ DRY MIX No. 1 □ ENT 157 □ PEDINEX (FRENCH) □ RCRA WASTE NUMBER P034 □ SN 46

TOXICITY DATA with REFERENCE:

skn-rbt 105 mg/9D-I MOD JIHTAB 30,10,48
orl-rat LD50:65 mg/kg ARSIM* 20,9,66
orl-mus LD50:50 mg/kg 85DPAN -,71/76
ipr-mus LD50:25 mg/kg BCPA6 18,1389,69
scu-mus LDLo:30 mg/kg UCPHAQ 1,151,39
ivn-dog LDLo:8 mg/kg AIPTAK 50,20,35
orl-rbt LDLo:100 mg/kg UCPHAQ 1,151,39
scu-rbt LDLo:40 mg/kg UCPHAQ 1,151,39
orl-gpg LD50:50 mg/kg PCOC** -,417,66
skn-gpg LDLo:1000 mg/kg PCOC** -,417,66
scu-gpg LDLo:20 mg/kg PCOC** -,417,66

SAFETY PROFILE: A poison by ingestion, intraperitoneal, intravenous, subcutaneous, and possibly other routes. Moderately toxic by skin contact. A skin irritant. Fire hazard. See also NITRATES and

PHENOLS. Can react with oxidizers. When heated to decomposition it emits toxic fumes of NO_x.

CPK550 CAS: 317-83-9 HR: 3
2-CYCLOHEXYL-4,6-DINITROPHENOL
DICYCLO HEXYLAMINE

mf: C₂₄H₃₇N₃O₅ mw: 447.64

SYNS: AMMONIUM, DICYCLOHEXYL-, 2-CYCLOHEXYL-4,6-DINITROPHENATE □ DICYCLOHEXYLAMINE, COMPD. WITH 2-CYCLOHEXYL-4,6-DINITROPHENOL (1:1) □ DICYCLOHEXYLAMINE SALT OF DINEX □ DICYCLOHEXYLAMINE SALT OF 4,6-DINITRO-*o*-CYCLOHEXYLPHENOL □ DICYCLOHEXYLAMINE, SALT OF DNOCHP □ DICYCLOHEXYLAMMONIUM 2-CYCLOHEXYL-4,6-DINITROPHENATE □ DICYCLOHEXYLAMMONIUM 4,6-DINITRO-*o*-CYCLOHEXYLPHENATE □ DINITROCYCLOHEXYLPHENOL, DICYCLOHEXYLAMINE SALT □ 4,6-DINITRO-*o*-CYCLOHEXYLPHENOL, DICYCLOHEXYLAMINE SALT □ DINITRO-*o*-CYCLOHEXYLPHENOL (DICYCLOHEXYLAMINE SALT) □ DN-111 □ DN CUST D-4 □ DYNONE II □ ENT 30,838 □ PEDINEX □ PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-, COMPD WITH DICYCLOHEXYLAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg ARSIM* 20,9,66

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

CPK625 CAS: 52694-54-9 HR: 3
(+)-1-CYCLOHEXYL-4-(1,2-DIPHENYLETHYL)
PIPERAZINE DIHYDROCHLORIDE

mf: C₂₄H₃₂N₃•2ClH mw: 421.50

SYN: (S)-1-CYCLOHEXYL-4-(1,2-DIPHENYLETHYL)-PIPERAZINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:8 mg/kg AIPTAK 221,105,76

orl-mus LD50:274 mg/kg AIPTAK 221,105,76

scu-mus LD50:320 mg/kg AIPTAK 221,105,76

ivn-mus LD50:18,500 µg/kg AIPTAK 221,105,76

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.

CPK700 CAS: 2550-40-5 HR: 2
CYCLOHEXYL DISULFIDE (6Cl,7Cl,8Cl)

mf: C₁₂H₂₂S₂ mw: 230.46

SYNS: BIS(CYCLOHEXYL) DISULFIDE □ DICYCLOHEXYL DISULFIDE □ DISULFIDE, DICYCLOHEXYL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:2 g/kg ATDAEI (15pl 1),S87,1996

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

CPL100 CAS: 10328-51-5 HR: 3
N,N'-(1,4-CYCLOHEXYLENEDIMETHYLENE)
BIS(2-(1-AZIRIDINYL)ACETAMIDE)

mf: C₁₆H₂₈N₄O₂ mw: 308.48

SYNS: ACETAMIDE, N,N'-(1,4-CYCLOHEXYLENEDIMETHYLENE)BIS(2-(1-AZIRIDINYL)- □ 1-AZIRIDINE ACETAMIDE, N,N'-(1,4-CYCLOHEXYLENEDIMETHYLENE)BIS- □ N,N'-BIS-AZIRIDINYLACETYL-1,4-CYCLOHEXYL-DIMETHYLENE DIAMINE

TOXICITY DATA with REFERENCE:

cyt-rat-orl 300 µg/kg MUREAV 31,115,75

orl-mus LD50:71 mg/kg EXPEAM 24,924,68

ipr-mus LD50:45 mg/kg EXPEAM 24,924,68

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

CPL125 CAS: 1193-81-3 HR: 2
1-CYCLOHEXYLETHANOL

mf: C₈H₁₆O mw: 128.24

SYNS: CYCLOHEXANEMETHANOL, α-METHYL- □ CYCLOHEXYLMETHYLCARBINOL □ α-METHYLCYCLOHEXANEMETHANOL □ METHYLCYCLOHEXYLCARBINOL □ 2-METHYLCYCLOHEXYLMETHANOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H SEV NTIS** OTS0545755

eye-rbt 100 µL/24H MLD NTIS** OTS0545755

orl-rat LD50:2100 mg/kg NTIS** OTS0545755

skn-rbt LDLo:1 g/kg NTIS** OTS0545755

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

CPL250 CAS: 4442-79-9 HR: 2
2-CYCLOHEXYLETHANOL

mf: C₈H₁₆O mw: 128.24

SYNS: CYCLOHEXYLETHYL ALCOHOL □ HEXAHYDROPHENYLETHYL ALCOHOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:940 mg/kg FCTXAV 13,785,75

skn-rbt LD50:1220 mg/kg FCTXAV 13,785,75

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. See also ALCOHOLS.

CPL750 CAS: 13908-93-5 HR: 3
CYCLOHEXYL FLUOROETHYL NITROSOUREA

mf: C₉H₁₆FN₃O₂ mw: 217.28

SYNS: CFNU □ 3-CYCLOHEXYL-1-(2-FLUOROETHYL)-1-NITROSOUREA □ N'-CYCLOHEXYL-N-(2-FLUOROETHYL)-N-NITROSOUREA □ FCNU □ 1-FLUOROETHYL-3-CYCLOHEXYL-1-NITROSOUREA □ NSC-87974 □ SRI 2619

TOXICITY DATA with REFERENCE:

orl-rat LD50:18,500 µg/kg TXAPA9 10,397,67

ivn-rat LD50:12 mg/kg TXAPA9 10,397,67

orl-mus LD50:111 mg/kg TXAPA9 10,397,67

ipr-mus LD10:34 mg/kg CNREA8 34,194,74

scu-mus LD50:25,210 µg/kg NCISP* JAN86

ivn-mus LD50:51 mg/kg TXAPA9 10,397,67

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x. See also N-NITROSO COMPOUNDS.

CPM250 CAS: 78128-81-1 HR: 3

3-CYCLOHEXYL-4-HYDROXY-2(5H)FURANONEmf: C₁₀H₁₄O₃ mw: 182.24**SYN:** α-CYCLOHEXYL-β-HYDROXY-Δ^{α,β}-BUTENOLID (GERMAN)**TOXICITY DATA with REFERENCE:**

scu-mus LD50:416 mg/kg ARZNAD 11,277,61

ivn-mus LD50:155 mg/kg ARZNAD 11,277,61

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous route. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.**CPM300 CAS: 95719-26-9 HR: 1
CYCLOHEXYLHYDROXYMETHYLBENZENE**mf: C₁₃H₁₈O mw: 190.31**SYNS:** BENZYL ALCOHOL, CYCLOHEXYL- □ BENZENE METHANOL, ar-CYCLOHEXYL- □ ar-CYCLOHEXYL BENZENEMETHANOL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:9300 mg/kg AZMZA6 61(9),3,84

orl-mus LD50:6750 mg/kg AZMZA6 61(9),3,84

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**CPM750 CAS: 6856-43-5 HR: 3
1-(3-CYCLOHEXYL-3-HYDROXY-3-PHENYL
PROPYL)-1-METHYL-PIPERIDINIUM IODIDE**mf: C₂₀H₃₁NO•CH₃I mw: 443.46**SYNS:** 1-CYCLOHEXYL-1-PHENYL-3-PIPERIDINO-PROPANOL, METHYL IODIDE □ α-CYCLOHEXYL-α-(2-(PIPERIDINO)ETHYL)-BENZYLALCOHOL METHYL IODIDE □ WIN 1593**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2520 mg/kg JPETAB 110,282,54

ivn-mus LD50:12 mg/kg JPETAB 110,282,54

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. See also IODIDES. When heated to decomposition it emits very toxic fumes of I⁻ and NO_x.**CPM770 CAS: 5189-40-2 HR: D
4-(CYCLOHEXYLIDENE(4-HYDROXYPHENYL)-
METHYL)PHENOL**mf: C₁₉H₂₀O₂ mw: 280.39**SYNS:** p-CRESOL, α-CYCLOHEXYLIDENE-α-(p-HYDROXY PHENYL)- □ CYCLOFENIL DIPHENOL □ α-CYCLO HEXYLIDENE-α-(p-HYDROXYPHENYL)-p-CRESOL □ F 6060 □ PHENOL, 4-(CYCLOHEXYLIDENE(4-HYDROXYPHENYL) METHYL)-**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:45 mg/kg (female 1-9D post):REP BIREBV 1,397,1969

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CPM800 CAS: 4354-73-8 HR: 3
CYCLOHEXYLIDENEMALONONITRILE**mf: C₉N₁₀N₂ mw: 276.21**SYNS:** Δ^{1,α}-CYCLOHEXANEMALONONITRILE □ CYCLO HEXYLIDENEPROPANEDINITRILE □ MALONONITRILE,

CYCLOHEXYLIDENE- □ PROPANEDINITRILE, CYCLO HEXYLIDENE-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:3200 µg/kg CSLNX* NX#04851

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**CPN500 CAS: 3173-53-3 HR: 3
CYCLOHEXYL ISOCYANATE****DOT:** UN 2488mf: C₇H₁₁NO mw: 125.19**PROP:** Oil. Mp: 168–170°.**SYNS:** CYCLOHEXANE, ISOCYANATO-(9CI) □ ISOCY ANATOCYCLOHEXANE □ ISOCYANIC ACID, CYCLOHEXYL ESTER □ NSC-87419**TOXICITY DATA with REFERENCE:**

mmo-sat 150 µg/plate ABCHA6 44,3017,80

ipr-mus LD50:13 mg/kg NCISP* JAN86

ivn-mus LD50:18 mg/kg CSLNX* NX#04502

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: Poison; DOT Class: 6.1; Label: Poison, Flammable Liquid; DOT Class: 3; Label: Flammable Liquid, Poison**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Mutation data reported. A flammable liquid when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x. See also CYANATES and ESTERS.**CPN750 CAS: 3687-61-4 HR: 3
2-(N-CYCLOHEXYL-N-ISOPROPYLAMINO-
METHYL)-1,3,4-OXADIAZOLE**mf: C₁₅H₂₁N₃O₂ mw: 275.39**PROP:** Bp: 148° @ 0.1.**SYNS:** AF 594 □ 5-(2-(DIETHYLAMINO)ETHYL)-3-(p-METHOXY PHENYL)-1,2,4-OXADIAZOLE □ N,N-DIETHYL-3-(4-METHOXY PHENYL)-1,2,4-OXADIAZOLE-5-ETHANAMINE □ 3-p-METHOXY PHENYL-5-DIETHYLAMINOETHYL-1,2,4-OXADIAZOLE □ MEXOLAMINE □ R 1067**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1899 mg/kg ARZNAD 12,539,62

ipr-rat LD50:288 mg/kg ARZNAD 12,539,62

orl-mus LD50:722 mg/kg ARZNAD 12,539,62

ipr-mus LD50:331 mg/kg ARZNAD 12,539,62

scu-mus LD50:691 mg/kg ARZNAD 12,539,62

ivn-mus LD50:83 mg/kg ARZNAD 12,539,62

orl-gpg LD50:700 mg/kg ARZNAD 12,539,62

ipr-gpg LD50:233 mg/kg ARZNAD 12,539,62

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x.**CPO500 CAS: 4388-82-3 HR: 3
1,1-CYCLOHEXYL-2-METHYLAMINOPROPANE-
5,5-PHENYLETHYLBARBITURATE**mf: C₁₂H₁₂N₂O₃•C₁₀H₂₁N mw: 387.58**SYNS:** BARBEXACLONE □ BARBEXACLONUM □ BARBITURIC ACID, 1-(1-(1-CYCLOHEXYL-N-METHYL-2-

PROPANAMINE)-5-ETHYL-5-PHENYL □ CHP-PHENOBARBIT-ALAT (GERMAN) □ MALIASIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:306 mg/kg ARZNAD 13,613,63

orl-mus LD50:334 mg/kg ARZNAD 13,613,63

SAFETY PROFILE: Poison by ingestion. Human reproductive effects. When heated to decomposition it emits toxic fumes of NO_x. See also BARBITURATES.

CPP000 CAS: 59182-63-7 HR: 3
N-(2-CYCLOHEXYL-1-METHYLETHYL)-3,3-DIPHENYLPROPYLAMINE
HYDROCHLORIDE

mf: C₂₄H₃₃N•ClH mw: 372.04

PROP: Crystals from 2-propanol. Mp: 175–176°.

SYNS: DROPRENILAMINE HYDROCHLORIDE □ MG 8926 □ VALCOR

TOXICITY DATA with REFERENCE:

orl-rat LD50:1550 mg/kg ARZNAD 26,212,76

ipr-rat LD50:65 mg/kg ARZNAD 26,212,76

orl-mus LD50:2850 mg/kg ARZNAD 26,212,76

ipr-mus LD50:68 mg/kg ARZNAD 26,212,76

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

CPP050 CAS: 1596-09-4 HR: 2
2-CYCLOHEXYL-4-METHYLPHENOL

mf: C₁₃H₁₈O mw: 190.31

SYNS: 2-CYCLOHEXYL-p-CRESOL □ PHENOL, 2-CYCLOHEXYL-4-METHYL-

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL/24H SEV IJTOFN 16(Suppl 2),3,1997

orl-rat LD50:1871 mg/kg ATDAEI/15(Suppl 1),S88,1996

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

CPP100 CAS: 6947-02-0 HR: 3
CYCLOHEXYL 3-OXOBUTANOATE

mf: C₁₀H₁₆O₃ mw: 184.26

SYNS: ACETOACETIC ACID, CYCLOHEXYL ESTER □ BUTANOIC ACID, 3-OXO-, CYCLOHEXYL ESTER (9CI) □ CYCLOHEXYL ACETOACETATE □ CYCLOHEXYL ACETONACETATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:7200 µL/kg JPETAB 93,26,48

skn-mus LD50:>10 mL/kg JPETAB 93,26,48

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

CPP750 CAS: 70907-61-8 HR: 3
1-(2-CYCLOHEXYLPHENOXY)-1-(2-IMIDAZO-LINYL)ETHANE HYDROCHLORIDE

mf: C₁₇H₂₄N₂O•ClH mw: 308.89

SYN: MG 18512

TOXICITY DATA with REFERENCE:

orl-mus LD50:1650 µg/kg ARZNAD 29,729,79

ipr-mus LD50:300 µg/kg ARZNAD 29,729,79

SAFETY PROFILE: A deadly poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

CPP800 CAS: 4281-67-8 HR: 2
CYCLOHEXYL PHENYL PHOSPHATE

mf: C₁₈H₂₁O₄P mw: 332.36

SYNS: CYCLOHEXYL DIPHENYL PHOSPHATE □ CYCLOHEXYL PHENYL PHOSPHATE ((C₆H₁₁O)(PHO)2PO) □ PHOSPHORIC ACID, CYCLOHEXYL DIPHENYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 10 mg/24H MLD NTIS** OTS0545598

orl-rat LD50:2460 mg/kg NTIS** OTS0545598

orl-rbt LDLo:10 g/kg NTIS** OTS0545598

SAFETY PROFILE: Moderately toxic by ingestion. A mild eye irritant. When heated to decomposition it emits toxic vapors of PO_x.

CPQ250 CAS: 77-37-2 HR: 3
1-CYCLOHEXYL-1-PHENYL-3-PYRROLIDINO-1-PROPANOL

mf: C₁₉H₂₉NO mw: 287.49

SYNS: 1-CYCLOHEXYL-1-PHENYL-3-(1-PYRROLIDINYL)-1-PROPANOL □ ELORINE □ KEMADRINE □ LERGINE □ METANIN □ OSNERVAN □ PROCIDILIDINA □ PROCYCLIDINE □ PROCYKLIDIN □ PROSYKLIDIN □ SPAMOL □ TRICICLIDINA □ TRICILOID □ TRICOLOID □ TRICYCLAMOL □ VAGOSIN

TOXICITY DATA with REFERENCE:

ipr-mus LD50:131 mg/kg 27ZQAG -,291,72

ivn-mus LD50:60 mg/kg 27ZQAG -,291,72

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.

CPQ275 CAS: 6837-24-7 HR: 3
1-CYCLOHEXYL-2-PYRROLIDINONE

mf: C₁₀H₁₇NO mw: 167.28

SYNS: N-CYCLOHEXYLPYRROLIDINONE □ N-CYCLOHEXYLPYRROLIDONE □ 2-PYRROLIDINONE, 1-CYCLOHEXYL-

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 LD50:370 mg/kg FCTOD7 26,475,88

ihl-rat LC50:120 ppm/1H FAATDF 4,587,84

orl-rbt LD50:657 mg/kg FAATDF 4,587,84

skn-rbt LD50:1600 mg/kg FAATDF 4,587,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CPQ625 CAS: 100-88-9 HR: 3
N-CYCLOHEXYLSULPHAMIC ACID

mf: C₆H₁₃NO₃S mw: 179.26

PROP: Crystals; sweet-sour taste. Mp: 169–170°. Fairly strong acid. Very sparingly soluble in water. Slowly hydrolyzed by hot water.

SYNS: CYCLAMATE □ CYCLAMIC ACID □ CYCLOHEXANE SULPHAMIC ACID □ CYCLOHEXYLAMIDOSULPHURIC ACID □ CYCLOHEXYLAMINESULPHONIC ACID □ CYCLOHEXYL SULFAMIC ACID (9CI) □ CYCLOHEXYLSULPHAMIC ACID □ HEXAMIC ACID □ SUCARYL □ SUCARYL ACID

TOXICITY DATA with REFERENCE:

orl-man TDLo:22 g/kg/77W-C:CAR,KID JOURAA 118,258,77

orl-man TD:131 g/kg/5Y-C:CAR,KID JOURAA 118,258,77

orl-man TD:164 g/kg/6Y-C:CAR,KID JOURAA 118,258,77

orl-rat LD50:12 g/kg AJMSA9 225,551,53

ivn-rat LD50:4 g/kg AJMSA9 225,551,53

orl-mus LD50:10 g/kg AJMSA9 225,551,53

ivn-mus LD50:180 mg/kg CSLNX* NX#01774

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected human carcinogen producing bladder tumors. Poison by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

CPQ650 CAS: 29396-39-2 HR: 3
3-CYCLOHEXYLSYDNONE IMINE MONO HYDROCHLORIDE

mf: C₈H₁₃N₃O•ClH mw: 203.70

SYN: N-(ZYKLOHEXYL)-SYDNONIMIN HYDROCHLORID (GERMAN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:206 mg/kg ABMGJ 14,369,65

ipr-mus LD50:63 mg/kg OYYAA2 2,280,68

ivn-mus LD50:70 mg/kg JMCMA 14,1013,71

SAFETY PROFILE: Poison by ingestion, intravenous and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.

CPQ700 CAS: 17796-82-6 HR: 2
N-(CYCLOHEXYLTHIO)PHthalIMIDE

mf: C₁₄H₁₅NO₂S mw: 261.36

SYNS: N-CYCLOHEXYLSULFENYLPHthalIMIDE □ 1H-ISOINDOLE-1,3(2H)-DIONE, 2-(CYCLOHEXYLTHIO)- □ PHthalIMIDE, N-(CYCLOHEXYLTHIO)- □ SANTOGARD PVI

TOXICITY DATA with REFERENCE:

orl-rat TDLo:365 g/kg/2Y-C:NEO EPASR* 8EHQ-0786-0681

orl-rat LD50:2600 mg/kg EPASR* 8EHQ-0786-0681

orl-mus LD50:5100 mg/kg GISAAA 52(3),70,87

skn-rbt LD50:>5 g/kg EPASR* 8EHQ-0786-0681

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental neoplastigenic data. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

CPQ800 CAS: 80-30-8 HR: 2
N-CYCLOHEXYL-p-TOLUENESULFONAMIDE

mf: C₁₃H₁₉NO₂S mw: 253.39

SYNS: BENZENESULFONAMIDE, N-CYCLOHEXYL-4-METHYL- □ SANTICIZER 1H □ p-TOLUENESULFONAMIDE, N-CYCLO HEXYL-

TOXICITY DATA with REFERENCE:

orl-rat LD:>500 mg/kg NCNSA6 5,41,53

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 SO_x.

CPR000 CAS: 664-95-9 HR: 2
1-CYCLOHEXYL-3-p-TOLYLSULFONYLUREA

mf: C₁₄H₂₀N₂O₃S mw: 296.42

PROP: Fine, white crystals. Mp: 174–176°.

SYNS: 1-CICLOESIL-3-p-TOLILSOLFONILUREA (ITALIAN) □ CYCHLORAL □ CYCLAMID □ CYCLAMIDE □ 1-CYCLOHEXYL-3-p-TOLUENESULFONYLUREA □ DIABORAL □ GLICOSIL □ GLYCYCLAMIDE □ N-(4-METHYLBENZENESULFONYL)-N'-CYCLOHEXYLUREA □ TOLCYCLAMIDE □ TOLHEXAMIDE □ 1-(p-TOLYLSULFONYL)-3-CYCLOHEXYLUREA

TOXICITY DATA with REFERENCE:

orl-rat TDLo:800 mg/kg (9D preg):TER FATOAO 28,616,65

ipr-rat LD50:870 mg/kg FRPSAX 12,268,57

ipr-mus LD50:1150 mg/kg RPOBAR 2,280,70

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

CPR250 CAS: 98-12-4 HR: 3
CYCLOHEXYLTRICHLOROSILANE

DOT: UN 1763

mf: C₆H₁₁Cl₃Si mw: 217.61

PROP: A liquid. Bp: 198.6–200°.

SYNS: CYCLOHEXANE, 1-(TRICHLOROSILYL)- □ SILANE, TRICHLOROCYCLOHEXYL-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: A highly toxic and corrosive material. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.

CPR500 CAS: 16607-80-0 HR: 3
1-CYCLOHEXYLTRIMETHYLAMINE

mf: C₉H₁₉N mw: 141.29

PROP: Bp: 76° @ 29 mm.

SYN: N,N-DIMETHYL-N-CYCLOHEXYLMETHYLAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1230 mg/kg AIHAAP 30,470,69

skn-rbt LD50:210 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Poison by skin contact. Moderately toxic by ingestion. See also AMINES. When heated to decomposition it emits toxic fumes of NO_x.

CPR600 CAS: 2164-08-1 HR: 1
3-CYCLOHEXYL-5,6-TRIMETHYLENEURACIL

mf: C₁₃H₁₈N₂O₂ mw: 234.33

SYNS: ADOL □ ADOL (PESTICIDE) □ BURACYL □ 1H-CYCLOPENTAPYRIMIDINE-2,4(3H,5H)-DIONE,6,7-DIHYDRO-3-CYCLOHEXYL- □ 3-CYCLOHEXYL-5,6-TRIMETHYLENEURACIL □ 6,7-DIHYDRO-3-CYCLOHEXYL-1H-CYCLOPENTAPYRIMID-

INE-2,4(3H,5H)-DIONE □ DU PONT 634 □ ELBATAN □
EXPERIMENTAL HERBICIDE 634 □ HERBICIDE 634 □
HEXILURE □ LENACIL □ URACIL 634 □ VENZAR

TOXICITY DATA with REFERENCE:

orl-rat LD50:11,000 mg/kg 85ARAE 2,159,1977

skn-rbt LD50:>5 g/kg PEMNDP 9,518,1991

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

CPR750 CAS: 742-20-1 HR: 3
CYCLOMETHIAZIDE

mf: C₁₃H₁₈ClN₃O₄S₂ mw: 379.91

SYNS: CYCLOPENTHIAZIDE □ 3-CYCLOPENTYLMETHYL
HYDROCHLOROTHIAZIDE DERIV □ NAVIDREX □
NAVIDRIX □ SALIMED □ SALIMID □ SU 8341 □
TSIKLOMETIAZID

TOXICITY DATA with REFERENCE:

ivn-rat LD50:142 mg/kg APTAK 131,325,61

ivn-mus LD50:232 mg/kg MEIEDD 10,394,83

SAFETY PROFILE: Poison by intravenous route. An antihypertensive agent. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.

CPR800 CAS: 121-82-4 HR: 3
CYCLONITE

DOT: UN 0072/UN 0118/UN 0391/UN 0483

mf: C₃H₆N₆O₆ mw: 222.15

PROP: White, crystalline powder. Mp: 202°.

SYNS: CYCLONITE, desensitized (UN 0483) (DOT) □
CYCLONITE, wetted (UN 0072) (DOT) □ CYCLOTTRIMETHYL-
ENENITRAMINE □ CYCLOTTRIMETHYLENETRINITRAMINE □
CYCLOTTRI METHYLENETRINITRAMINE, desensitized (UN 0483)
(DOT) □ CYCLOTTRIMETHYLENETRINITRAMINE, wetted (UN
0072) (DOT) □ CYKLONIT □ ESAIDRO-1,3,5-TRINITRO-1,3,5-
TRIAZINA (ITALIAN) □ HEKSOGEN (POLISH) □ HEXA-
HYDRO-1,3,5-TRINITRO-1,3,5-TRIAZIN (GERMAN) □ HEXA-
HYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE □ HEXOGEEN
(DUTCH) □ HEXOGEN □ HEXOGEN, desensitized (UN 0483)
(DOT) □ HEXOGEN (Explosive) □ HEXOGEN 5W □ HEXOGEN,
wetted (UN 0072) (DOT) □ HEXOLITE □ HEXOLITE, dry or wetted
with <15% water, by weight (UN 0118) (DOT) □ PBX(AF) 108 □
PBXW 108(E) □ RDX □ RDX, desensitized (UN 0483) (DOT) □ RDX
and HMX MIXTURES, desensitized with not <10% phlegmatizer by
weight (UN 0391) (DOT) □ RDX and HMX MIXTURES, wetted with
not <15% water by weight (UN 0391) (DOT) □ RDX, wetted with not
<15% water by weight (UN 0072) (DOT) □ T4 □ 1,3,5-TRIAZINE,
HEXAHYDRO-1,3,5-TRINITRO-(9CI) □ TRIMETHYLEEN-
TRINITRAMINE (DUTCH) □ TRIMETHYLENETRINITRAMINE
□ sym-TRIMETHYLENETRINITRAMINE □ TRINITROCYCLO
TRIMETHYLENE TRIAMINE □ 1,3,5-TRINITRO-1,3,5-
TRIAZACYCLOHEXANE

TOXICITY DATA with REFERENCE:

orl-cld TDLo: 85 mg/kg JTCTDW 24,305,86

orl-rat LD50:100 mg/kg TXAPA9 39,531,77

ipr-rat LDLo:10 mg/kg EATR** EB-TR-73040

ivn-rat LDLo:18 mg/kg EATR** EB-TR-73040

orl-mus LD50:59 mg/kg NTIS** AD-A092-531

ivn-mus LD50:19 mg/kg EATR** EB-TR-73040

orl-cat LDLo:100 mg/kg FATOAO 7,43,44

orl-rbt LDLo:500 mg/kg FATOAO 7,43,44

ivn-gpg LD50:25 mg/kg EATR** EB-TR-73040

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1.5 mg/m³ (skin)

ACGIH TLV: TWA 0.5 mg/m³ (skin); Not Classifiable as a Human Carcinogen

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. An experimental teratogen. Other experimental reproductive effects. A corrosive irritant to skin, eyes, and mucous membranes. Cases of epileptiform convulsions have been reported from exposure. It is one of the most powerful high explosives in use today. Has more shattering power than TNT and is often mixed with TNT as a bursting charge for aerial bombs, mines, and torpedoes. It is easily initiated by mercury fulminate, which may be used as a booster. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES, NITRATES, and EXPLOSIVES, HIGH.

CPR825 CAS: 1552-12-1 HR: 2
cis,cis-CYCLOOCTA-1,5-DIENE

mf: C₈H₁₂ mw: 108.20

PROP: Bp: 151–152°

SYNS: COD □ 1,5-CYCLOOCTADIENE (Z,Z)

TOXICITY DATA with REFERENCE:

skn-mus 100%/12D open SEV BJIMAG 25,75,68

skn-rbt 2640 mg SEV BJIMAG 25,75,68

skn-rbt 20 g/31D-I open SEV BJIMAG 25,75,68

eye-rbt 88 mg MLD BJIMAG 25,75,68

skn-gpg 10 g/31D-I open SEV BJIMAG 25,75,68

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

CPR835 CAS: 286-75-9 HR: D
1,5-CYCLOOCTADIENE DIEPOXIDE

mf: C₈H₁₂O₂ mw: 140.20

SYNS: CYCLOOCTANE, 1,2,5,6-DIEPOXY- □ CYCLOOCTA-1,5-
DIENE DIOXIDE □ 1,2,5,6-DIEPOXYCYCLOOCTANE □ 5,10-
DIOXATRICYCLO(7.1.0.0^{4,6})DECANE

TOXICITY DATA with REFERENCE:

mic-klp 10 mmol/L MUREAV 89,269,1981

sce-ham-lng 15 mmol/L MUREAV 249,55,1991

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

CPR840 CAS: 12245-39-5 HR: 3
**(1,5-CYCLOOCTADIENE)(2,4-PENTANE-
DIONATO)RHODIUM**

mf: C₁₃H₁₉O₂Rh mw: 310.23

PROP: Yellow crystals from pet ether. Mp: 125–128°
decomp. Sol in hexane, CHCl₃. IDLH 100 mg/m³ (as Rh).

SYNS: ACETYLACETONATE-1,5-CYCLOOCTADIENE
RHODIUM □ RHODIUM, ((1,2,5,6-eta)-1,5-CYCLOOCTADIENE)-
(2,4-PENTANEDIONATO-O,O')- □ RHODIUM, (1,5-CYCLO
OCTADIENE)(2,4-PENTANEDIONATO)-

TOXICITY DATA with REFERENCE:

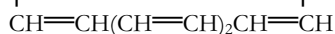
ipr-mus LD50:34 mg/kg CBINA8 45,1,83

OSHA PEL: TWA 0.1 mg(Rh)/m³**ACGIH TLV:** TWA 1 mg(Rh)/m³**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of Rh.**CPS000** **CAS: 115-25-3** **HR: 1**
CYCLOOCTAFLUOROBUTANE
DOT: UN 1976mf: C₄F₈ mw: 200.03**PROP:** Colorless, odorless gas. Mp: -41.4°, bp: -6.04°, d (liquid): 1.513 @ -70°F.**SYNS:** FC-C 318 □ FREON C-318 □ HALOCARBON C-138 □ OCTAFLUOROCYCLOBUTANE (DOT) □ PERFLUOROCYCLOBUTANE □ PROPELLANT C318 □ R-C 318**TOXICITY DATA with REFERENCE:**

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

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 2.2; Label: Nonflammable Gas**SAFETY PROFILE:** Mildly toxic by ingestion and inhalation. Can cause slight transient effects at high concentrations. No anesthesia or central nervous system effects. Nonflammable gas. Mutation data reported. When heated to decomposition it emits highly toxic fumes of F⁻.**CPS250** **CAS: 502-49-8** **HR: 2**
CYCLOOCTANONEmf: C₈H₁₄O mw: 126.22**PROP:** Oil or crystals. Mp: 28°, bp: 195–197°.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:740 mg/kg COREAF 254,2245,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.**CPS500** **CAS: 629-20-9** **HR: 3**
1,3,5,7-CYCLOOCTATETRAENE
mf: C₈H₈ mw: 104.15**PROP:** A liquid. Mp: -7°, bp: 142–143°, fp: -4.7°, vap press: 7.9 mm @ 25°, flash p: <71.6°F, d: 0.921 20°/4°.**SAFETY PROFILE:** May be a simple asphyxiant. A dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. To fight fire, use spray, mist, fog, foam, dry chemicals. Reaction with oxygen gives explosive peroxide by-products. When heated to decomposition it emits acrid smoke and fumes.**CPT000** **CAS: 2163-69-1** **HR: 3**
3-CYCLOOCTYL-1,1-DIMETHYLUREA
mf: C₁₁H₂₂N₂O mw: 198.35**PROP:** Crystals. Mp: 138°. Sltly sol in H₂O; sol in C₆H₆ and Me₂CO; very sol in MeOH.**SYNS:** ALIPUR-O □ 3-CYCLOOCTYL-1,1-DIMETHYLHARN STOFF (GERMAN) □ N-CYCLOOCTYL-N',N'-DIMETHYLUREA □ CYCLOURON □ CYCLURON**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1500 mg/kg PCOC** -,294,66

ihl-rat LD50:1125 mg/kg EQSFAP 3,618,75

ipr-mus LD50:300 mg/kg 85DPAN -,71/76

unk-mus LD50:300 mg/kg 30ZDA9 -,229,71

orl-mam LD50:2600 mg/kg 85GYAZ -,81,71

SAFETY PROFILE: Poison by intraperitoneal and possibly other routes. Moderately toxic by ingestion and inhalation. A pesticide. When heated to decomposition it emits toxic fumes of NO_x.**CPT750** **CAS: 4449-51-8** **HR: 3**
CYCLOPAMINEmf: C₂₇H₄₁NO₂ mw: 411.69**PROP:** Needles from EtOH. Mp: 237–238°. Derived from *Veratrum californicum* (TJADAB 3,175,70).**SYNS:** ALKALOID V □ 11-DEOXYJERVINE**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:180 mg/kg PSEBAA 149,302,75

orl-ham LDLo:170 mg/kg PSEBAA 149,302,75

SAFETY PROFILE: A poison by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.**CPU000** **CAS: 202-98-2** **HR: 2**
4H-CYCLOPENTA(def)CHRYSENEmf: C₁₉H₁₂ mw: 240.31**PROP:** Iridescent plates. Mp: 174–176°.**SYN:** 4,5-METHYLENECHRYSENE**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µg/plate ENMUDM 9,183,87

scu-mus TDLo:80 mg/kg;ETA CNREA8 3,606,43

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See other chrysene compounds.**CPU250** **CAS: 502-72-7** **HR: 1**
CYCLOPENTADECANONEmf: C₁₅H₂₈O mw: 224.43**PROP:** A solid. Mp: 63°, bp: 120 @ 0.3 mm.**SYN:** NORMUSCONE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTXAV 14,659,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.**CPU500** **CAS: 542-92-7** **HR: 3**
1,3-CYCLOPENTADIENEmf: C₅H₆ mw: 66.11**PROP:** Colorless liquid. Mp: -85°, bp: 41–42°, d: 0.80475 @ 19°/4°, flash p: 77°F. Misc in EtOH and C₆H₆. IDLH 750 ppm.

SYNS: CYCLOPENTADIENE □ PENTOLE □ PYROPENTYL-ENE □ R-PENTINE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:39 g/m³ GTPZAB 9(12),13,65

ihl-mus LC50:14 g/m³ GTPZAB 9(12),13,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 75 ppm

ACGIH TLV: TWA 75 ppm

DFG MAK: 75 ppm (210 mg/m³)

SAFETY PROFILE: Low toxicity by ingestion. A dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Moderate explosion hazard in the form of gas when exposed to heat or by chemical reaction. It decomposes violently at high temperatures and pressures. Dimerization is highly exothermic. Explosive reaction with fuming nitric acid, dinitrogen tetroxide, sulfuric acid. Reaction with nitrogen oxide + oxygen forms an explosive product. Reaction with oxygen forms a flame-sensitive explosive product. Ignites on contact with oxygen + ozone. Reacts vigorously on contact with potassium hydroxide. Incompatible with oxides of nitrogen, sulfuric acid. When heated to decomposition it emits acrid smoke and fumes.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: 1,3-Cyclopentadiene, 2523.

**CPU750 CAS: 21254-73-9 HR: 3
CYCLOPENTADIENYL GOLD(1)**

mf: C₅H₅Au mw: 262.06

SAFETY PROFILE: Ignites with friction or low heat. Will burn easily. When heated to decomposition it emits acrid smoke and fumes. See also GOLD.

**CPV000 CAS: 12079-65-1 HR: 3
CYCLOPENTADIENYLMANGANESE
TRICARBONYL**

mf: C₈H₅MnO₃ mw: 204.07

PROP: Pale-yellow crystals with camphoraceous odor. Mp: 76.8–77.1°.

SYNS: MANGANESE CYCLOPENTADIENYL TRICARBONYL □ MCT

TOXICITY DATA with REFERENCE:

orl-rat LD50:22 mg/kg TXCYAC 34,341,85

ihl-rat LCLo:120 mg/m³/2H HYSAAV 30,40,65

ipr-rat LD50:14 mg/kg TXCYAC 34,341,85

orl-mus LD50:150 mg/kg GISAAA 28(4),29,63

ivn-mus LD50:710 µg/kg CSLNX* NX#11285

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

OSHA PEL: TWA 0.1 mg(Mn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Mn)/m³

SAFETY PROFILE: A poison by ingestion, inhalation, intraperitoneal, and intravenous routes. A mild narcotic which can damage kidneys. When heated to decomposition it emits acrid smoke and irritating fumes. See also MANGANESE COMPOUNDS and CARBON MONOXIDE.

**CPV250 HR: 3
CYCLOPENTADIENYL SILVER PERCHLORATE**

mf: C₅H₅AgClO₄ mw: 272.42

PROP: IDLH 10 mg/m³ (as Ag).

CONSENSUS REPORTS: Silver and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Explodes on heating. When heated to decomposition it emits toxic fumes of Cl⁻. See also SILVER COMPOUNDS.

**CPV500 CAS: 4984-82-1 HR: 3
CYCLOPENTADIENYL SODIUM**

mf: C₅H₅Na mw: 88.08



PROP: Colorless crystals. Sol in ethers.

SAFETY PROFILE: Ignites spontaneously in air. Evaporation of a solution leaves a pyrophoric residue. Mixture with lead(II)nitrate may be explosive above 100°C. When heated to decomposition it emits toxic fumes of Na₂O.

**CPV609 CAS: 538-02-3 HR: 3
CYCLOPENTAMINE HYDROCHLORIDE**

mf: C₉H₁₉N•ClH mw: 177.75

SYNS: CLOPANE HYDROCHLORIDE □ N,α-DIMETHYL CYCLOPENTANEETHYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:169 mg/kg 29ZVAB -,37,69

orl-mus LD50:169 mg/kg JPETAB 93,423,48

ivn-mus LD50:41,600 µg/kg JPETAB 93,423,48

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also AMINES.

**CPV750 CAS: 287-92-3 HR: 3
CYCLOPENTANE**

DOT: UN 1146

mf: C₅H₁₀ mw: 70.15

PROP: Colorless liquid. Bp: 49.3°, fp: -93.7°, flash p: 19.4°F, autoign temp: 716°F, d: 0.745 @ 20°/4°, vap press: 400 mm @ 31.0°, vap d: 2.42.

SYN: PENTAMETHYLENE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 600 ppm

ACGIH TLV: TWA 600 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Mildly toxic by ingestion and inhalation. High concentrations have narcotic action. A very dangerous fire hazard when exposed to heat or flame; can react with oxidizers. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes.

**CPW250 CAS: 35944-73-1 HR: 3
1,3-CYCLOPENTANEDISULFONYL
DIFLUORIDE**

mf: C₅H₈F₂O₄S₂ mw: 234.25

SYN: PHILIPS 2133

TOXICITY DATA with REFERENCE:

orl-rat LD50:7900 µg/kg TXAPA9 21,315,72
 orl-mus LDLo:94 mg/kg AECTCV 14,111,85
 orl-bwd LD50:1300 µg/kg TXAPA9 21,315,72

SAFETY PROFILE: A deadly poison by ingestion. See also FLUORIDES. When heated to decomposition it emits very toxic fumes of F⁻ and SO_x.

CPW300 CAS: 1679-07-8 HR: 3
CYCLOPENTANETHIOL

DOT: UN 1228/UN 3071

mf: C₅H₁₀S mw: 102.21

SYNS: CYCLOPENTYL MERCAPTAN □ MERCAPTOCYCLOPENTANE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2680 mg/kg DCTODJ 3,249,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Poison (UN1228); DOT Class: 6.1; Label: Poison, Flammable Liquid (UN3071)

SAFETY PROFILE: A human poison. A flammable liquid. When heated to decomposition it emits toxic vapors of SO_x.

CPW325 CAS: 54573-23-8 HR: 3
4,5-CYCLOPENTANOFURAZAN-N-OXIDE

mf: C₅H₆N₂O₂ mw: 126.11

SYN: TRIMETHYLENEFUROXAN

SAFETY PROFILE: Decomposes explosively at 150°C. Upon decomposition it emits toxic fumes of NO_x.

CPW500 CAS: 120-92-3 HR: 3
CYCLOPENTANONE

DOT: UN 2245

mf: C₅H₈O mw: 84.13



PROP: Liquid with a pleasant odor. Mp: -58.2°, bp: 130.6°, flash p: 79°F, d: 0.9509 @ 18°/4°, vap d: 2.3. Sparingly sol in H₂O.

SYNS: ADIPIC KETONE □ DUMASIN □

KETOCYCLOPENTANE □ KETOPENTAMETHYLENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTXAV 17,241,79

skn-rbt 500 mg MLD FCTOD7 20,573,82

eye-rbt 100 mg SEV FCTOD7 20,573,82

eye-rbt 100 mg/4S rns SEV FCTOD7 20,573,82

ipr-mus LD50:1950 mg/kg COREAF 254,2245,62

scu-mus LDLo:2600 mg/kg AEXPBL 50,199,1903

scu-frg LDLo:3000 mg/kg AEXPBL 50,199,1903

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

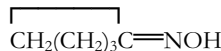
DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. A skin and severe eye irritant. Dangerous fire hazard when exposed to heat or flame; can react with oxidizers. To fight fire, use alcohol foam, foam, CO₂, dry chemical. Potentially explosive reaction with hydrogen peroxide + nitric acid.

When heated to decomposition it emits acrid smoke and fumes. See also KETONES.

CPW750 CAS: 1192-28-5 HR: 2
CYCLOPENTANONE OXIME

mf: C₅H₉NO mw: 99.13



PROP: A solid. Mp: 57.5°, bp: 196°.

TOXICITY DATA with REFERENCE:

unk-mus LD50:1200 mg/kg PCJOAU 12,227,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by an unspecified route. Violent reaction when heated with 85% sulfuric acid. When heated to decomposition it emits toxic fumes of NO_x.

CPW800 CAS: 183249-37-8 HR: D
3H-CYCLOPENTA(c)PHENANTHRENE

mf: C₁₇H₁₂ mw: 216.29

TOXICITY DATA with REFERENCE:

mic-sat 40 µL/g/plate CRNGDP 17,2009,1996

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

CPX250 CAS: 203-64-5 HR: 2
4H-CYCLOPENTA(def)PHENANTHRENE

mf: C₁₅H₁₀ mw: 190.25

PROP: Crystals from EtOH. Mp: 116°, bp: 353°.

SYN: CYCLOPENTAPHENANTHRENE

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

CPX500 CAS: 27208-37-3 HR: 2
CYCLOPENTA(cd)PYRENE

mf: C₁₈H₁₀ mw: 226.28

PROP: A solid. Mp: 174-176°.

SYNS: ACEPYRENE □ ACEPYRYLENE □

CYCLOPENTENO(c,d)PYRENE

TOXICITY DATA with REFERENCE:

mma-hmn:lym 4 mg/L JJIND8 63,309,79

msc-hmn:lym 50 nmol/L MUREAV 128,221,84

otr-mus:fbr 300 µg/L CNREA8 40,4482,80

otr-mus:emb 300 µg/L EVSRBT 22,445,81

msc-mus:lym 1200 µg/L CNREA8 40,4482,80

msc-ham:lng 300 µg/L CRNGDP 3,763,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 32,269,83. EPA Genetic Toxicology Program.

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

CPX625 CAS: 73473-54-8 HR: D
CYCLOPENTA(cd)PYRENE-3,4-OXIDE

mf: C₁₈H₁₀O mw: 242.28

SYN: □ CPP-3,4-OXIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 100 ng/plate CNREA8 40,3940,80

otr-mus:fbr 3 mg/L CNREA8 40,4482,80

otr-mus:emb 300 µg/L EVSRBT 22,445,81

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.**CPX650 CAS: 69795-70-6 HR: D
CYCLOPENTA(cd)PYREN-3(4H)-ONE**mf: C₁₈H₁₀O mw: 242.28**TOXICITY DATA with REFERENCE:**

msc-hmn-lym 2600 µg/ MUREAV 371,123,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**CPX750 CAS: 142-29-0 HR: 3
CYCLOPENTENE****DOT:** UN 2246mf: C₅H₈ mw: 68.13**PROP:** A liquid. Mp: -135.3°, bp: 44.242°, flash p: -20°F, d: 0.77199 @ 20°.**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1656 mg/kg AIHAAP 30,470,69

skn-rbt LD50:1231 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A very dangerous fire hazard when exposed to flame or heat; can react with oxidizing materials. Keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical.**CPY000 CAS: 3212-60-0 HR: 3
2-CYCLOPENTENE-1-OL**mf: C₅H₈O mw: 84.13**SYN:** 1-CYCLOPENTEN-3-OL**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62

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

ihl-rat LCLo:1000 ppm/4H AIHAAP 30,470,69

skn-rbt LDLo:180 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by skin contact. Moderately toxic by ingestion and inhalation. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**CPY500 CAS: 7129-91-1 HR: 2
1,2-CYCLOPENTENO-5,10-ACEANTHRENE**mf: C₁₉H₁₆ mw: 244.35**SYN:** 2,7,8,9-TETRAHYDRO-1H-CYCLOPENT(j)ACEANTHRYL ENE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**CPY750 CAS: 7099-43-6 HR: 2
5:6-CYCLOPENTENO-1:2-BENZANTHRACENE**mf: C₂₁H₁₈ mw: 270.39**SYN:** 2,3-DIHYDRO-1H-BENZO(a)CYCLOPENT(b)ANTHRACENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**CPY800 CAS: 936-52-7 HR: 3
N-(1-CYCLOPENTEN-1-YL)-MORPHOLINE**mf: C₉H₁₅NO mw: 153.25**SYNS:** MORPHOLINE, 4-(1-CYCLOPENTEN-1-YL)- □ (1-MORPHOLINOCYCLOPENTENE)**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:320 mg/kg CSLNX* NX#02169

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**CPY850 CAS: 121010-10-4 HR: D
(+)-1-(2-(1-CYCLOPENTEN-1-YL)PHENOXY)-3-
((1,1-DIMETHYLETHYL)AMINO)-2-
PROPANOL**mf: C₁₈H₂₇NO₂ mw: 289.46**SYN:** 2-PROPANOL, 1-(2-(1-CYCLOPENTEN-1-YL)PHENOXY)-3-((1,1-DIMETHYLETHYL)AMINO)-, (+)-**TOXICITY DATA with REFERENCE:**

mic-sat 160 µg/plate DCTODJ 12,77,1989

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**CPZ125 CAS: 5870-29-1 HR: 3
CYCLOPENTOLATE HYDROCHLORIDE**mf: C₁₇H₂₅NO₃•ClH mw: 327.89**PROP:** Crystals from EtOAc. Mp: 137–141°. Insol in Et₂O; sol in H₂O and EtOH.**SYNS:** CYCLOGYL □ β-DIMETHYLAMINOETHYL (1-HYDROXYCYCLOPENTYL)PHENYLACETATE HYDROCHLORIDE □ 2-(DIMETHYLAMINO)ETHYL 1-HYDROXY-α-PHENYL-CYCLOPENTANECARBOXYLATE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

scu-chd TDLo:40 µg/kg:CNS AROPAW 87,634,72

ocu-cld TDLo:50 µg/kg:I:BAH,EYE AJOPAA 105,91,88

scu-rat LD50:2235 mg/kg DRUGAY -,444,90

orl-mus LD50:960 mg/kg NIIRDN 6,314,82

ipr-mus LD50:314 mg/kg JPETAB 106,141,52

ivn-mus LD50:84 mg/kg JPETAB 106,141,52

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects: convulsions, distorted perceptions, hallucinations, toxic psychosis. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.**CQA000 CAS: 1003-03-8 HR: 3
CYCLOPENTYLAMINE**mf: C₅H₁₁N mw: 85.15**PROP:** A liquid. D: 0.869 @ 20°/4°, fp: -85.7°, bp: 107–108°, flash p: 55.4°F. Misc in H₂O.**SYNS:** AMINOCYCLOPENTANE □ CB 1689 □ CYCLOPENTANAMINE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:100 mg/kg BCPAC 5,108,60

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A poison by intraperitoneal route. A dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**CQA100 CAS: 67239-27-4 HR: 3
CYCLOPENTYL 3,4-DIHYDROXYPHENYL
KETONE**mf: C₁₂H₁₄O₃ mw: 206.26**SYN:** KETONE, CYCLOPENTYL 3,4-DIHYDROXYPHENYL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:650 mg/kg JMCAR 7,178,64

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**CQB250 CAS: 40202-39-9 HR: 3
2-CYCLOPENTYL-4,6-DINITROPHENOL**mf: C₁₁H₁₂N₂O₅ mw: 252.25**SYN:** DINITROCYCLOPENTYLPHENOL**TOXICITY DATA with REFERENCE:**

ivn-dog LDLo:10 mg/kg AIPTAK 50,20,35

ivn-pgn LDLo:5 mg/kg AIPTAK 50,20,35

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and PHENOLS.**CQB275 CAS: 10137-73-2 HR: 2
CYCLOPENTYL ETHER**mf: C₁₀H₁₈O mw: 154.28**PROP:** A liquid. Bp: 13 80° @ 13 mm.**SYN:** ETHER, DICYCLOPENTYL**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62

orl-rat LD50:470 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:250 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:1410 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**CQB300 CAS: 129134-96-9 HR: D
1-CYCLOPENTYLFEUCLAVINE**mf: C₂₁H₂₈N₂ mw: 308.51**SYNS:** (8-β)-1-CYCLOPENTYL-6,8-DIMETHYLERGOLINE □ ERGOLINE, 1-CYCLOPENTYL-6,8-DIMETHYL-, (8-β)-**TOXICITY DATA with REFERENCE:**

mic-sat 500 nmol/plate ANTDEV 3,609,1992

dni-hmn-lym 25 μmol/L CALEDQ 50,161,1990

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**CQC250 CAS: 21208-99-1 HR: 3****S-2-((5-CYCLOPENTYLPENTYL)AMINO)ETHYL
THIOSULFATE**mf: C₁₂H₂₅NO₃S₂ mw: 295.50**TOXICITY DATA with REFERENCE:**

orl-mus LD50:800 mg/kg JMCAR 11,1190,68

ipr-mus LD50:25 mg/kg JMCAR 11,1190,68

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also THIOSULFATES.**CQC500 CAS: 6055-19-2 HR: 3
CYCLOPHOSPHAMIDE HYDRATE**mf: C₇H₁₅Cl₂N₂O₂P•H₂O mw: 279.13**SYNS:** 1-BIS(2-CHLOROETHYL)AMINO-1-OXA-2-AZA-5-OXAPHOSPHORIDINE MONOHYDRATE □ 2-(BIS(2-CHLOROETHYL)AMINO)-1-OXA-3-AZA-2-PHOSPHO CYCLO HEXANE-2-OXIDE MONOHYDRATE □ (BIS(CHLORO-2-ETHYL)AMINO)-2-TETRAHYDRO-3,4,5,6-OXAZAPHOSPHORINE-1,3,2-OXIDE-2-MONOHYDRATE □ BIS(2-CHLOROETHYL)PHOSPHORAMIDE CYCLIC PROPANOLAMIDE ESTER MONOHYDRATE □ N,N-BIS(β-CHLOROETHYL)-N',O-PROPYLENEPHOSPHORIC ACID ESTER AMINE MONOHYDRATE □ N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-2H-1,3,2-OXAPHOSPHORIN-2-AMINE-2-OXIDE MONOHYDRATE □ N,N-BIS(β-CHLOROETHYL)-N',O-TRIMETHYLENEPHOSPHORIC ACID ESTER DIAMIDE MONOHYDRATE □ CB-4564 □ CLAFEN □ CYCLIC N',O-PROPYLENE ESTER of N,N-BIS(2-CHLOROETHYL) PHOSPHORODIAMIDIC ACID MONOHYDRATE □ CYCLO PHOSPHAMIDE MONOHYDRATE □ CYCLOPHOSPHAMIDUM □ CYCLO PHOSPHAN □ CYCLOPHOSPHANE □ CYCLOPHOS PHANUM □ CYTO-
PHOSPHAN □ CYTOXAN □ 2-(DI(2-CHLOROETHYL)-AMINO)-1-OXA-3-AZA-2-PHOSPHACYCLO HEXANE-2-OXIDE MONOHYDRATE □ N,N-DI(2-CHLORO ETHYL)AMINO-N',O-PROPYLENE PHO SPHORIC ACID ESTER DIAMIDE MONOHYDRATE □ ENDOXANA □ ENDOXAN-ASTA □ ENDOXAN MONOHYDRATE □ ENDOXAN R □ ENDUXAN □ GENOXAL □ MITOXAN □ NSC-26271 □ PROCYTOX □ SEMDOXAN □ SENDOXAN □ SENDUXAN**TOXICITY DATA with REFERENCE:**

bfa-mus/smc 500 mg/kg EVSRBT 24,893,81

orl-rat LD50:94 mg/kg TXAPA9 4,324,62

ipr-rat LD50:121 mg/kg FRMBAZ 18,409,70

orl-mus LD50:350 mg/kg TXAPA9 4,324,62

ivn-mus LD50:275 mg/kg TXAPA9 4,324,62

orl-dog LD50:44 mg/kg TXAPA9 4,324,62

CONSENSUS REPORTS: IARC Cancer Review:

Human Sufficient Evidence IMEMDT 26,165,81; Human Limited Evidence IMEMDT 9,135,75; Animal Sufficient Evidence IMEMDT 9,135,75; Animal Sufficient Evidence IMEMDT 26,165,81.

SAFETY PROFILE: Confirmed human carcinogen.Poison by ingestion and intravenous routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻, PO_x, and NO_x.**CQC600 HR: 3
CYCLOPHOSPHAMIDE and MNU (1:2)**mf: C₇H₁₅Cl₂N₂O₂P•C₄H₅N₆O₂ mw: 430.26**PROP:** A combination of these two drugs is used in chemotherapy to combat far advanced malignant tumors. (ZKKOBW 89,311,77)

SYN: MNU and CYCLOPHOSPHAMIDE (2:1)**TOXICITY DATA with REFERENCE:**ivn-hmn TDL₀:48 mg/kg/28D-I:GIT,BLD ZKKOBW 89,311,77**SAFETY PROFILE:** Human systemic effects by intravenous route: nausea or vomiting and bone marrow changes. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and PO_x.**CQC650 CAS: 50-18-0 HR: 3
CYCLOPHOSPHORAMIDE**mf: C₇H₁₅Cl₂N₂O₂P mw: 261.11**PROP:** Crystals. Mp: 41–45°. Water-sol; sltly sol in org solvs.**SYNS:** ASTA □ ASTA B518 □ B 518 □ N,N-BIS-(β-CHLORAEETHYL)-N',O-PROPYLEN-PHOSPHORSAEURE-ESTER-DIAMID (GERMAN) □ 2-(BIS(2-CHLOROETHYL)AMINO)-2H-1,3,2-OXAAZAPHOSPHORINE 2-OXIDE □ N,N-BIS(2-CHLOROETHYL)-N'-(3-HYDROXYPROPYL)PHOSPHORODI-AMIDIC ACID intramol. ESTER □ BIS(2-CHLOROETHYL)PHOSPHORAMIDE-CYCLIC PROPANOLAMIDE ESTER □ N,N-BIS(2-CHLOROETHYL)-N',O-PROPYLENEPHOSPHORIC ACID ESTER DIAMIDE □ N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-2H-1,3,2-OXAPHOSPHORIN-2-AMINE-2-OXIDE □ N,N-BIS(β-CHLOROETHYL)-N',O-TRI METHYLENPHOSPHORIC ACID ESTER DIAMIDE □ CB 4564 □ CLAFEN □ CLAPHENE □ CP □ CPA □ CTX □ CY □ CYCLO PHOSPHAMIDE □ CYCLOPHOSPHAMIDUM □ CYCLO PHOSPHAN □ CYCLOSTIN □ CYTOPHOSPHAN □ CYTOXAN □ N,N-DI(2-CHLOROETHYL)-N',O-PROPYLENE-PHOSPHORIC ACID ESTER DIAMIDE □ ENDOXAN □ ENDOXANAL □ GENOXAL □ HEXADRIN □ MITOXAN □ NCI-C04900 □ NEOSAR □ NSC-26271 □ 2-H-1,3,2-OXAZAPHOSPHORINANE □ PROCYTOX □ RCRA WASTE NUMBER U058 □ SEMDOXAN □ SENDUXAN □ SK 20501 □ ZYKLOPHOSPHAMID (GERMAN)**TOXICITY DATA with REFERENCE:**

sce-hmn:oth 500 mg/L ENMUDM 7(Suppl 3),26,85

sce-hmn:fbr 10 μmol/L CNREA8 45,3626,85

mma-ham:lng 10 mg/L MUREAV 157,189,85

orl-wmn TDL₀:1890 mg/kg/3Y-I:CAR,BLD JHMJAX 142,211,78orl-man TDL₀:2310 mg/kg/4.5Y-C:CAR,GIT BMJOAE 280,524,80unr-man TDL₀:857 mg/kg/3Y-C:CAR,BLD JCPAAK 26,649,73unr-wmn TDL₀:1050 mg/kg/69W-C:CAR,BLD JCPAAK 26,649,73orl-rat TDL₀:475 mg/kg/100W-I:CAR IJCNAW 23,706,79ivn-rat TDL₀:676 mg/kg/1Y-I:CAR ARZNAD 20,1461,70scu-mus TDL₀:1352 mg/kg/1Y-I:CAR,TER ARZNAD 20,1461,70

orl-wmn TD:2700 mg/kg/6Y-C:CAR,KID URGABW 17,105,78

orl-man TD:1078 mg/kg/3Y-C:CAR,KID RIHYAC 32,1073,78

orl-man TD:1800 mg/kg/6Y-C:CAR,KID JOURAA 126,544,81

orl-hmn TD:920 mg/kg/3Y-C:CAR,KID AIMEAS 91,221,79

orl-man TD:1190 mg/kg/4Y-I:CAR,BLD MEDIAV 58,32,79

orl-wmn TD:1760 mg/kg/4Y-C:CAR,KID SJRHAT 12,73,83

orl-wmn TDL₀:45 mg/kg:KID ARHEAW 15,530,72orl-man TDL₀:56 mg/kg/26D-I:BLD AJMEAZ 81,1059,86orl-cld TDL₀:2500 μg/kg AJDCAI 140,1094,86orl-man TDL₀:56 mg/kg/4W-I:SYS SMJOAV 78,222,85orl-hmn TDL₀:20 mg/kg:GIT,SYS,SKN ARHEAW 12,663,69

orl-wmn LDLo:16 mg/kg/4D-I:BLD AJMSA9 254,48,67

ivn-wmn TDL₀:60 mg/kg/9W-I AIMDAP 145,548,85ivn-wmn TDL₀:13,500 μg/kg:EYE AIMEAS 116,92,92

mul-man LDLo:45 mg/kg/26W-I:BLD AJMSA9 254,48,67

orl-rat LD50:160 mg/kg JJATDK 9,235,89

ipr-rat LD50:40 mg/kg CPCHAO 18,307,62

scu-rat LD50:144 mg/kg KSRNAM 16,431,82

ivn-rat LD50:148 mg/kg KSRNAM 16,431,82

orl-mus LD50:137 mg/kg RPTOAN 36,240,73

scu-mus LD50:200 mg/kg ASBDD9 2,95,79

ivn-mus LD50:140 mg/kg 17TVAO -,97,69

par-mus LD50:315 mg/kg TRPLAU 13,316,72

ipr-dog LDLo:50 mg/kg KSRNAM 16,431,82

ivn-dog LDLo:11 mg/kg CCSUBJ 2,191,65

ivn-mky LDLo:45 mg/kg CCSUBJ 2,191,65

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 1 IMEMDT 7,182,87; Human Sufficient Evidence IMEMDT 26,165,81; Animal Sufficient Evidence IMEMDT 26,165,81; IMEMDT 9,135,75; Human Limited Evidence IMEMDT 9,135,75. NCI Carcinogenesis Studies (ipr); Clear Evidence: mouse, rat RRCRB 52,1,75. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Confirmed human carcinogen producing leukemia, Hodgkin's disease, gastrointestinal and bladder tumors. Experimental carcinogenic, neoplastigenic, and teratogenic data. A human poison by ingestion and many other routes. Human systemic effects: kidney changes (hepatic dysfunction), leukopenia (reduced white blood cell count), nausea and alopecia (loss of hair), liver changes, agranulocytosis. Human reproductive and teratogenic effects by multiple routes: spermatogenesis, testicular changes, epididymis and sperm duct changes, menstrual cycle changes, fetal developmental abnormalities of the craniofacial area, musculoskeletal and cardiovascular systems. Experimental reproductive effects. Human mutation data reported. A powerful skin irritant. Used as an immunosuppressive agent in nonmalignant diseases. When heated to decomposition it emits highly toxic fumes of PO_x, NO_x, and Cl⁻.**CQD000 CAS: 18172-33-3 HR: 3
α-CYCLOPIAZONIC ACID**mf: C₂₀H₂₀N₂O₃ mw: 336.42**PROP:** A solid. Mp: 245–246°.**SYN:** CYCLOPIAZONIC ACID**TOXICITY DATA with REFERENCE:**

mma-sat 1 μmol/plate AEMIDF 47,1355,84

orl-rat LD50:36 mg/kg TXAPA9 18,114,71

ipr-rat LD50:2 mg/kg TXAPA9 18,114,71

orl-mus LD50:64 mg/kg RCOCB8 55,303,87

ipr-mus LD50:13 mg/kg FCTOD7 23,831,85

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

CQD250 CAS: 39071-30-2 HR: 2
5H-CYCLOPROPA(3,4)BENZ(1,2-e)AZULEN-5-ONE, 1,1a-α, 1b-β, 4,4a, 7a-α, 7b, 8, 9, 9a-DECAHYDRO-4a-α, 7b-α, 9a-α-TRIHYDROXY-3-HYDROXYMETHYL-1,6,8-α-TRIMETHYL-1-ACETOXY METHYL-, 9a-(2-METHYLBUT-2-ENOATE)

mf: C₂₇H₃₆O₈ mw: 488.63

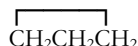
TOXICITY DATA with REFERENCE:

skn-mus 44 ng MLD 85CVA2 5,213,70

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

CQD750 CAS: 75-19-4 HR: 3
CYCLOPROPANE
DOT: UN 1027

mf: C₃H₆ mw: 42.09



PROP: Colorless gas with ethereal odor. Mp: -126.6°, bp: -33.5°, lel: 2.4%, uel: 10.4%, d: 1.879 g/L @ 0°, autoign temp: 932°F. Mod sol in H₂O; very sol in EtOH and Et₂O. A minor constituent of MAPP gas.

SYNS: CYCLOPROPANE, liquefied (DOT) □ TRIMETHYLENE

TOXICITY DATA with REFERENCE:

cyt-ckn-ihl 20 pph/3H ANESAV 34,157,71

CONSENSUS REPORTS: IARC Cancer Review: Animal No Adequate Data IMEMDT 7,93,87. Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 2.1; Label: Flammable Gas

SAFETY PROFILE: Mutation data reported.

Questionable carcinogen. High concentrations are narcotic. Human reproductive effects. Very dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Explosion Hazard: Moderate in the form of vapor when exposed to heat or flame. To fight fire, stop flow of gas, then use CO₂, dry chemical, or water spray. When heated to decomposition it emits acrid smoke and fumes.

CQD900 CAS: 55700-98-6 HR: 3
CYCLOPROPANECARBOXYLIC ACID, 3-(2,2-DIBROMOETHENYL)-2,2-DIMETHYL-, (3-PHENOXYPHENYL) METHYL ESTER, (1R-cis)-

mf: C₂₁H₂₀Br₂O₃ mw: 480.23

SYNS: NRDC 157 □ RU 23603

TOXICITY DATA with REFERENCE:

ivn-rat LD:>30 mg/kg ARTODN 45,325,80

ice-mus LD50:27,300 µg/kg PCBPBS 24,200,85

SAFETY PROFILE: A poison by intravenous and intracerebral routes. When heated to decomposition it emits toxic vapors of Br⁻.

CQD930 CAS: 27695-88-1 HR: 2
CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYL-1-PROPENYL)-, (3-(PHENYLMETHYL)PHENYL) METHYL ESTER, (1S-trans)-

mf: C₂₄H₂₈O₂ mw: 348.52

SYNS: CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYLPROPENYL)-, m-BENZYL BENZYL ESTER □ NRDC 124

TOXICITY DATA with REFERENCE:

ivn-rat LD :>570 mg/kg ARTODN 45,325,80

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

CQE250 CAS: 765-30-0 HR: 3
CYCLOPROPYLAMINE

mf: C₃H₇N mw: 57.10



PROP: D: 0.824 @ 20°/4°, bp: 50°, flash p: 33.8°F. Misc in H₂O.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

CQE325 CAS: 31431-43-3 HR: D
5-(CYCLOPROPYLCARBONYL)-2-BENZIMIDAZOLECARBAMIC ACID METHYL ESTER

mf: C₁₃H₁₃N₃O₃ mw: 259.29

PROP: Crystals from acetic acid. Mp: 250.5°.

SYNS: CYCLOBENZAZOLE □ HAPTICIL

TOXICITY DATA with REFERENCE:

oms-hmn:leu 1 mg/L THERAP 31,505,76

oms-hmn:oth 2 mg/L THERAP 31,505,76

SAFETY PROFILE: An experimental teratogen. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES and ESTERS.

CQE350 CAS: 81356-60-7 HR: 3
N-CYCLOPROPYL-N'-(2,5-DIFLUOROPHENYL) UREA

mf: C₁₀H₁₀F₂N₂O mw: 212.22

SYNS: SD 91779 □ UREA, N-CYCLOPROPYL-N'-(2,5-DIFLUOROPHENYL)-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** OTS0533899

eye-rbt 100 mg MLD NTIS** OTS0533899

orl-rat LD50:152 mg/kg NTIS** OTS0533899

skn-rbt LD50:>2 g/kg NTIS** OTS0533899

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

**CQE400 CAS: 66215-27-8 HR: 2
CYCLOPROPYLMELAMINE**mf: C₆H₁₀N₆ mw: 166.22**SYNS:** AI3-52713 □ CGA 72662 □ N-CYCLOPROPYL-1,3,5-TRIAZINE-2,4,6-TRIAMINE □ CYPROMAZINE □ LARVADEX □ NEOPREX □ OMS-2014 □ 1,3,5-TRIAZINE-2,4,6-TRIAMINE, N-CYCLOPROPYL- □ TRIGARD □ VETRAZIN □ VETRAZINE □ VETRAZIN (PESTICIDE)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3387 mg/kg PEMNDP 9,217,91

ihl-rat LC50:>2720 mg/m³/4H PEMNDP 9,217,91

skn-rat LD50:>3100 mg/kg PEMNDP 9,217,91

orl-qal LD50:1785 mg/kg PEMNDP 9,217,91

SAFETY PROFILE: Moderately toxic by ingestion and skin contact routes. Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of NO_x.**CQE750 CAS: 540-47-6 HR: 3
CYCLOPROPYL METHYL ETHER**mf: C₄H₈O mw: 72.11**PROP:** Liquid. Mp: -119°, bp: 44.7°, d: 0.786 @ 25°/4°, flash p: <50°F.**SYNS:** CYCLOPROPANE, METHOXY-(9CI) □ CYCLOPROPYL METHYL ETHER □ CYPROME ETHER □ METHOXYCYCLOPROPANE □ 1-METHOXYCYCLOPROPANE □ METHYL CYCLOPROPYL ETHER**TOXICITY DATA with REFERENCE:**ihl-mus LC50:126 g/m³/15M ANESAV 11,455,50**SAFETY PROFILE:** Moderately toxic by inhalation. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes. Can form unstable explosive peroxides. See also ETHERS and PEROXIDES.**CQF059 CAS: 765-43-5 HR: 3
CYCLOPROPYL METHYL KETONE**mf: C₅H₈O mw: 84.119**PROP:** Oil with camphoraceous odor. Fp -68.4°, bp: 114°, flash p: 55.4°F. Sol in H₂O.**SAFETY PROFILE:** A dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes. See also KETONES.**CQF079 CAS: 42281-59-4 HR: 3
(-)-17-CYCLOPROPYLMETHYLMORPHINAN-3,4-DIOL**mf: C₂₀H₂₇NO₂ mw: 313.48**PROP:** A solid. Mp: 173-175°**SYNS:** (L)-BC-2605 □ BRISTOL LABORATORIES BC 2605 □ 1-N-CYCLOPROPYLMETHYL-3,14-DIHYDROMORPHINAN □ (-)-3,14-DIHYDROXY-N-(CYCLOBUTYLMETHYL)MORPHINAN □ OXILORPHAN**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:14 µg/kg:CNS,GIT,KID JPCBR 16(4),183,76

scu-hmn TDLo:26 µg/kg:CNS DRFUD4 2,746,77

scu-mus LD50:315 mg/kg JPETAB 193,23,75

ivn-mus LD50:32 mg/kg JPETAB 193,23,75

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Human systemic effects by ingestion and subcutaneous routes: somnolence, tremors, ataxia (loss of muscle coordination), hypermotility, diarrhea, and changes in the kidney, ureter, or bladder. When heated to decomposition it emits toxic fumes of NO_x.**CQF099 CAS: 16590-41-3 HR: 2
N-CYCLOPROPYLMETHYLNOROXY-MORPHINE**mf: C₂₀H₂₃NO₄ mw: 341.44**SYNS:** (5-α)-17-(CYCLOPROPYLMETHYL-4,5-EPOXY-3,14-DIHYDROXY-MORPHINAN-6-ONE) (9CI) □ N-CYCLOPROPYL METHYL-14-HYDROXYDIHYDROMORPHINONE □ EN 1639 □ EN 1939 □ NALTREXONE □ UM-792**TOXICITY DATA with REFERENCE:**

sce-hmn:lym 1 g/L ENMUDM 1,180,79

cyt-hmn:lym 1 g/L ENMUDM 1,180,79

sln-dmg-orl 10 g/L/24H MUREAV 66,129,79

sln-dmg-par 10 g/L MUREAV 66,129,79

scu-mus LD50:551 mg/kg ANYAA9 281,321,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Moderately toxic by subcutaneous route. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also MORPHINE and KETONES.**CQF125 CAS: 33453-19-9 HR: 2
1-CYCLOPROPYLMETHYL-4-PHENYL-6-CHLORO-2(1H)-QUINAZOLINONE**mf: C₁₈H₁₅ClN₂O mw: 310.80**SYNS:** 6-CHLORO-1-(CYCLOPROPYLMETHYL)-4-PHENYL-2(1H)-QUINAZOLINONE □ SL-512**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2 g/kg ARZNAD 23,1266,73

ipr-rat LD50:790 mg/kg ARZNAD 23,1266,73

orl-mus LD50:1800 mg/kg ARZNAD 23,1266,73

ipr-mus LD50:660 mg/kg ARZNAD 23,1266,73

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal route. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.**CQG250 CAS: 26399-36-0 HR: 2
N-(CYCLOPROPYLMETHYL)-α,α,α-TRIFLUORO-2,6-DINITRO-N-PROPYL-p-TOLUIDINE**mf: C₁₄H₁₆F₃N₃O₄ mw: 347.33**PROP:** Yellow-orange solid. Mp: 32°. Very sparingly sol in H₂O.**SYNS:** CGA 10832 □ ER5461 □ GA-10832 □ PREGARD □ PROFLURALIN □ TOLBAN**TOXICITY DATA with REFERENCE:**

skn-rbt 218 mg open MLD CIGET* -,77

eye-rbt 44 mg SEV CIGET* -,77

orl-rat LD50:1808 mg/kg FMCHA2 -,D310,80

ihl-rat LCLo:3970 mg/m³ CIGET* -,77

skn-rbt LD50:13,754 mg/kg CIGET* -,77

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. Mildly toxic by skin contact. A skin and severe eye irritant. An herbicide. See also FLUORIDES. When

heated to decomposition it emits very toxic fumes of F⁻ and NO_x.

CQG750 CAS: 4163-15-9 HR: 3
CYCLORPHAN

mf: C₂₀H₂₇NO mw: 297.48

SYNS: 17-(CYCLOPROPYLMETHYL)MORPHINAN-3-OL □ (-)-3-HYDROXY-N-CYCLOPROPYLMETHYLMORPHINAN

TOXICITY DATA with REFERENCE:

ivn-rat LD50:23 mg/kg AIPTAK 165,112,67

scu-mus LD50:215 mg/kg AIPTAK 165,112,67

ivn-mus LD50:24 mg/kg AIPTAK 165,112,67

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x.

CQH000 CAS: 68-41-7 HR: 3
CYCLOSERINE

mf: C₃H₆N₂O₂ mw: 102.11

PROP: Crystals. Mp: 155–156° decomp. Sol in H₂O and alkalis. Produced by *Streptomyces orchidaceus* (ANTCAO 6,360,56).

SYNS: d-R-AMINO-3-ISOSSAZOLIDONE (ITALIAN) □ d-4-AMINO-3-ISOXAZOLIDINONE □ d-4-AMINO-3-ISOXAZOLIDONE □ CICLOSERINA (ITALIAN) □ CYCLOMYCIN □ CYCLO-d-SERINE □ E-733-A □ FARMISERINE □ I-1431 □ JN-21 □ K-300 □ MIROSERINA □ NOVOSERIN □ ORIENTOMYCIN □ d-OXAMICINA (ITALIAN) □ d-OXAMYCIN □ OXYMYCIN □ PA 94 □ RO-1-9213 □ SEROMYCIN □ TISOMYCIN □ WASSERINA

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:560 mg/kg/4W-I:CNS DICHAK 29,241,56

orl-wmn TDLo:60 mg/kg:CNS BMJOAE 1,907,65

unr-wmn TDLo:40 mg/kg/2D-I:CNS TUBEAS 38,297,57

unr-man TDLo:64 mg/kg/4D-I:CNS ABANAE 3,148,55/56

orl-mus LD50:5290 mg/kg 85ERAY 2,906,78

ipr-mus LD50:180 mg/kg 85FZAT -,238,67

scu-mus LD50:1400 mg/kg YKYUA6 31,1085,80

ivn-mus LD50:560 mg/kg YKYUA6 31,1085,80

scu-dog LDLo:2000 mg/kg ANTCAO 6,708,56

scu-mky LDLo:4000 mg/kg ANTCAO 6,708,56

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by intravenous and subcutaneous routes. Mildly toxic by ingestion. Human systemic effects by ingestion and possibly other routes: wakefulness, sleep, altered sleep time, hallucinations, distorted perceptions, tremors, convulsions, and coma. An antibiotic used in the treatment of human pulmonary tuberculosis. When heated to decomposition it emits toxic fumes of NO_x.

CQH100 CAS: 59865-13-3 HR: 3
CYCLOSPORIN A

mf: C₆₂H₁₁₁N₁₁O₁₂ mw: 1202.84

PROP: Needles from Me₂CO. Mp: 148–151°.

SYNS: ANTIBIOTIC S 7481F1 □ CICLOSPORIN □ CYCLOSPORIN □ CYCLOSPORINE □ CYCLOSPORINE A □ OL 27-400 □ S 7481F1 □ SANDIMMUN □ SANDIMMUNE

TOXICITY DATA with REFERENCE:

sce-hmn:lyms 1 mg/L IGAYAY 134,403,85

orl-wmn TDLo:62,500 µg/kg/5D-I:SYS LANCAO 1,1221,86

orl-man TDLo:20 mg/kg/2D-I:BLD LANCAO 2,1092,86

unr-man TDLo:30 mg/kg/4D-I:SYS AIMEAS 107,786,87

orl-rat LD50:1489 mg/kg IYKEDH 17,365,86

ipr-rat LD50:147 mg/kg IYKEDH 17,365,86

scu-rat LD50:286 mg/kg IYKEDH 17,365,86

ivn-rat LD50:24 mg/kg IYKEDH 17,365,86

orl-mus LD50:2803 mg/kg IYKEDH 17,365,86

ivn-mus LD50:96 mg/kg IYKEDH 17,365,86

ivn-rbt LD50:10 mg/kg TOPADD 14,73,86

CONSENSUS REPORTS: NTP 10th Report on Carcinogens.

SAFETY PROFILE: Confirmed carcinogen producing Hodgkin's disease. Experimental reproductive effects.

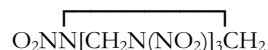
Poison by intraperitoneal and intravenous routes.

Moderately toxic by ingestion. Human systemic effects by ingestion: increased body temperature, cyanosis. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

CQH250 CAS: 2691-41-0 HR: 3
CYCLOTETRAMETHYLENE TETRANITRAMINE

DOT: UN 0226/UN 0484

mf: C₄H₈N₈O₈ mw: 296.20



PROP: A solid. Mp: 286°.

SYNS: CYCLOTETRAMETHYLENETETRANITRAMINE, desensitized (UN 0483) (DOT) □ CYCLOTETRAMETHYLENE TETRANITRAMINE (dry or unphlegmatized) (DOT) □ CYCLOTETRA METHYLENETETRANITRAMINE, wetted (UN 0226) (DOT) □ HMX □ HMX (dry or unphlegmatized) (DOT) □ HMX, wetted (UN 0226) (DOT) □ beta HMY □ HW 4 □ LX 14-0 □ OCTOGEN □ OCTOGEN, desensitized (UN 0483) (DOT) □ OCTOGEN, wetted with not <15% water, by weight (UN 0226) (DOT) □ OKTOGEN □ TETRAMETHYLENETETRANITRAMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1500 mg/kg GISAAA 40(11),17,75

ivn-dog LDLo:40 mg/kg EATR** EB-TR-73040

orl-gpg LD50:300 mg/kg GISAAA 40(11),17,75

ivn-gpg LD50:28 mg/kg EATR** EB-TR-73040

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden (dry or unphlegmatized); DOT Class: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D

SAFETY PROFILE: A poison by ingestion and intravenous routes. An explosive. Decomposes violently at 279°C. When heated to decomposition it emits toxic fumes of NO_x. See also EXPLOSIVES, HIGH.

CQH275 CAS: 135768-83-1 HR: D
CYCLOTRIOL

mf: C₂₀H₂₆O₃ mw: 314.46

SYNS: (16-α,17-α)-14,21-CYCLO-19-NORPREGNA-1,3,5(10)-TRIENE-3,16,17-TRIOL □ 14,21-CYCLO-19-NORPREGNA-1,3,5(10)-TRIENE-3,16,17-TRIOL, (16-α,17-α)- □ ZK 136295

TOXICITY DATA with REFERENCE:

cyt-hmn-lym 1 mg/L MUREAV 389,173,1997

sce-hmn-lym 1 mg/L MUREAV 389,173,1997

mnt-ipr-mus 1 mg/kg MUREAV 389,173,1997

sce-ipr-mus 1 mg/kg MUREAV 389,173,1997

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

CQH325 CAS: 860-79-7 HR: 3
CYCLOVIROBUXINE D

mf: C₂₆H₄₆N₂O mw: 402.74

SYNS: BEBUXINE □ CYCLOVIROBUXIN D □ CYCLOVIROBUXINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:293 mg/kg CYLPDN 3,101,82

ipr-mus LD50:9200 µg/kg CYLPDN 3,101,82

ivn-mus LD50:8900 µg/kg CYLPDN 3,101,82

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.

CQH500 CAS: 126-02-3 HR: 3
CYCRIMINE HYDROCHLORIDE

mf: C₁₉H₂₉NO•ClH mw: 323.95

PROP: Crystals with bitter taste. Mp: 241–244°. Sol in H₂O, EtOH, and CHCl₃.

SYNS: COMPOUND 8958 □ α-CYCLOPENTYL-α-PHENYL-1-PIPERIDINEPROPANOL HYDROCHLORIDE □ PAGITANE HYDROCHLORIDE □ 1-PHENYL-1-CYCLOPENTYL-3-PIPERIDINO-1-PROPANOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:628 mg/kg 27ZQAG -,218,72

orl-mus LD50:349 mg/kg 27ZQAG -,218,72

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

ivn-mus LD50:50 mg/kg 27ZQAG -,218,72

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

CQH625 CAS: 7199-29-3 HR: 2
CYHEPTAMIDE

mf: C₁₆H₁₅NO mw: 237.29

PROP: Long needles from acetonitrile. Mp: 193–194°. Sol in chloroform; sparingly sol in methanol, acetone; sltly sol in ethanol, ether. Practically insol in water.

SYNS: AY 8682 □ BS 7029 □ CYHEPTAMINE □ DIBENZO(a,d)CYCLOHEPTADIENE-5-CARBOXAMIDE □ DIBENZO(a,d)(1,4)-CYCLOHEPTADIENE-5-CARBOXAMIDE □ 10,11-DIHYDRO-5H-DIBENZO(a,d)CYCLOHEPTENE-5-CARBOXAMIDE □ ICI 51426

TOXICITY DATA with REFERENCE:

orl-rat LD50:2400 mg/kg 27ZQAG -,68,72

ipr-rat LD50:2000 mg/kg 27ZQAG -,68,72

orl-mus LD50:1830 mg/kg 27ZQAG -,68,72

ipr-mus LD50:630 mg/kg JMCMA 7,88,64

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An anticonvulsant. When heated to decomposition it emits toxic fumes of NO_x.

CQH650 CAS: 13121-70-5 HR: 3
CYHEXATIN

mf: C₁₈H₃₄OSn mw: 385.21

PROP: White solid. Very sparingly sol in H₂O; sparingly sol in Me₂CO and MeOH; sol in CHCl₃. IDLH 80 mg/m³.

SYNS: DOWCO-213 □ ENT 27,395-X □ M 3180 □ PLICTRAN □ PLYCTRAN □ TCTH □ TRICYCLOHEXYLHYDROXY-STANN-ANE □ TRICYCLOHEXYLHYDROXYTIN □ TRICYCLO-HEXYLTIN HYDROXIDE □ TRICYCLOHEXYLZINN-HYDROXID (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:180 mg/kg KSKZAN 16(2),59,78

ihl-rat LC50:244 mg/m³ GISAAA 49(2),74,84

skn-rat LD50:446 mg/kg FAATDF 7,299,86

ipr-rat LD50:13 mg/kg DOWCC* 47(7),80,82

orl-rbt LD50:458 mg/kg GISAAA 47(7),80,82

skn-rbt LD50:2422 mg/kg GISAAA 47(7),80,82

orl-gpg LD50:780 mg/kg TRIPA7 -,1,73

orl-ckn LD50:654 mg/kg TRIPA7 -,1,73

orl-dom LDLo:150 mg/kg TXAPA9 31,66,75

OSHA PEL: TWA 0.1 mg(Sn)/m³; TWA 5 mg/m³

ACGIH TLV: TWA 5 mg/m³; TWA 0.1 mg(Sn)/m³;

STEL 0.2 mg/m³ (skin); Not Classifiable as a Human Carcinogen

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

SAFETY PROFILE: Poison by ingestion, inhalation, and intraperitoneal routes. Moderately toxic by skin contact. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

CQH700 CAS: 143545-90-8 HR: 3
CYLINDRO-SPROPSIN

mf: C₁₅H₂₁N₅O₇S mw: 415.47

SYN: 2,4(1H,3H)-PYRIMIDINEDIONE,6-(HYDROXY(2,2A,3,4,5,5A,6,7-OCTAHYDRO-3-METHYL-4-(SULFOOXY)-1H-1,8,8B-TRIAZAACENAPHTHYLEN-7-YL)METHYL)-, (2A-α,3-α,4-α,5A-α,7-β(R*))-(–)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2100 µg/kg TOXID9 14,211,1994

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

CQH750 CAS: 508-77-0 HR: 3
CYMARIN

mf: C₃₀H₄₄O₉ mw: 548.74

PROP: Crystals from MeOH. Mp: 148°

SYNS: CYMARINE □ 3-β-(β-d-CYMAROSYLOXY)-5,14-DIHYDRO XY-19-OXO-5-β-CARD-20(22)-ENOLIDE □ STROPHANTHIDIN-d-CYMAROSID (GERMAN) □ K-STROPHANTHIN-α

TOXICITY DATA with REFERENCE:

ivn-rat LD50:20 mg/kg AIPTAK 155,165,65

ipr-mus LD50:12 mg/kg AIPTAK 155,165,65

ivn-cat LDLo:95 µg/kg MEIEDD 10,397,83

unr-cat LDLo:110 µg/kg AIPTAK 148,471,64

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and possibly other routes. Used as a cardiotonic. When heated to decomposition it emits acrid smoke and fumes.

CQI000 CAS: 99-87-6 HR: 3**p-CYMENTHENE**mf: C₁₀H₁₄ mw: 134.24

PROP: Colorless to pale-yellow liquid; odorless. Mp: -68.2°, bp: 176°, lel: 0.7% @ 100°, ULC: 30-35, flash p: 117°F (CC), d: 0.853, refr index: 1.489, autoign temp: 817°F, vap d: 4.62, vap press: 1 mm @ 17.3°, flash p (technical): 127°F, uel (technical): 5.6%. Found in nearly 100 volatile oils, including lemongrass, sage, thyme, coriander, star anise, and cinnamon (FCTXAV 12,385,74). Sol in alc, ether, acetone, benzene.

SYNS: CAMPHOGEN □ CYMENE □ CYMOL □ DOLCYMENE □ FEMA No. 2356 □ 4-ISOPROPYL-1-METHYLBENZENE □ p-ISO PROPYL TOLUENE □ p-METHYL-CUMENE □ p-METHYL-ISOPROPYL BENZENE □ 1-METHYL-4-ISOPROPYLBENZENE □ PARACYMENE □ PARACYMOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,401,74

orl-rat LD50:4750 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. Humans sustain central nervous system effects at low doses. A skin irritant. Flammable liquid. Explosion Hazard: Slight in the form of vapor. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes.

CQI250 CAS: 536-60-7 HR: 2**p-CYMENTH-7-OL**mf: C₁₀H₁₄O mw: 150.24**PROP:** Bp: 246.

SYNS: CUMIC ALCOHOL □ CUMINIC ALCOHOL □ CUMINOL □ CUMINYL ALCOHOL □ CUMYL ALCOHOL □ p-ISOPROPYL BENZYL ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,871,74

orl-rat LD50:1020 mg/kg FCTXAV 12,871,74

skn-rbt LD50:2500 mg/kg FCTXAV 12,871,74

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. See also ALCOHOLS.

CQI500 CAS: 2631-37-0 HR: 3**m-CYM-5-YL METHYLCARBAMATE**mf: C₁₂H₁₇NO₂ mw: 207.30

PROP: Crystals. Mp: 87-88°. Very sparingly sol in H₂O; sol in org solvents.

SYNS: CARBAMULT □ ENT 27,300 □ ENT 27,300-A □ EP 316 □ METHYLCARBAMIC ACID-m-CYM-5-YL ESTER □ 3-METHYL-5-ISOPROPYLPHENYL-N-METHYLCARBAMATE □ (3-METHYL-5-ISOPROPYLPHENYL)-N-METHYLCARBAMAT (GERMAN) □ 3-METHYL-5-(1-METHYLETHYL)PHENOLMETHYLCARBAMATE □ MINACIDE □ MORTON EP-316 □ PROMECARB □ SCHERING 34615 □ UC 9880 □ UNION CARBIDE UC-9880

TOXICITY DATA with REFERENCE:

orl-rat LD50:60 mg/kg MEIEDD 10,1122,83

skn-rat LD50:450 mg/kg WRPCA2 9,119,70

ipr-rat LD50:27,200 µg/mg BWHOA6 44(1-3),241,71

ivn-rat LD50:5 mg/kg BJIMAG 22,317,65

ims-rat LD50:44 mg/kg BJIMAG 22,317,65

orl-mus LD50:16 mg/kg BESAAT 15,131,69

orl-gpg LDLo:25 mg/kg JEENAI 61(5),1261,68

scu-gpg LDLo:25 mg/kg JEENAI 61(5),1261,68

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, intramuscular, and subcutaneous routes. Moderately toxic by skin contact. An insecticide. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

CQI525 CAS: 17958-39-3 HR: 3**CYNAUSTINE HYDROCHLORIDE**mf: C₁₅H₂₅NO₄•ClH mw: 319.87

SYNS: BUTANOIC ACID, 2,3-DIHYDROXY-2-(1-METHYLETHYL)-, (2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-7-YL)

METHYL ESTER, HYDROCHLORIDE, (7ar-(7(2S*,3S*),7AR*))-

□ CYNAUSTINE □ (+)-CYNAUSTINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:260 mg/kg FRBGAT 9,142,1968

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.

CQI550 CAS: 48134-75-4 HR: 2**CYPERQUAT**mf: C₁₂H₁₂N mw: 170.25

SYNS: MPP+ □ 1-METHYL-4-PHENYLPYRIDINIUM □ PYRIDINIUM, 1-METHYL-4-PHENYL-

TOXICITY DATA with REFERENCE:ice-mus TDLo:7703.1 g/m³ JPETAB 293,336,2000ice-rat TDLo:1153.8 g/m³ JPETAB 293,336,2000

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

CQI750 CAS: 22936-86-3 HR: 2**CYPRAZINE**mf: C₉H₁₄ClN₅ mw: 227.73

SYNS: 6-CHLOR-N-CYCLOPROPYL-N¹-(1-METHYLETHYL)-1,3,5-TRIAZINE-2,4-DIAMINE □ 2-CHLORO-4-CYCLOPROPYLAMINO-6-ISOPROPYLAMINO-sec-TRIAZINE □ 2-CHLORO-4-CYCLO PROPYLAMINO-6-ISOPROPYLAMINO-1,3,5-TRIAZINE □ OUTFOX □ S-6115 □ S-9115

TOXICITY DATA with REFERENCE:

orl-rat LD50:1200 mg/kg FMCHA2 -,D227,80

skn-rbt LD50:7500 mg/kg GUHAZ 6,147,73

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by skin contact. An herbicide. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CQJ000 CAS: 8013-86-3 HR: 1**CYPRESS OIL**

PROP: The constituents include furfural, d-α-pinene, d-camphene, cymene, d-terpineol, l-cadinene, sylvestrene, cypress camphor and cedrol (FCTXAV 16,637,78).

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,699,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also individual components.**CQJ100 CAS: 2952-70-7 HR: 3**
5- α -CYPRINOLmf: C₂₇H₄₈O₅ mw: 452.68**SYN:** CHOLESTANE-3,7,12,26,27-PENTOL, (3- α ,5- α ,7- α ,12- α)-**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:400 mg/kg TOXIA6 39,411,2001

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**CQJ150 CAS: 94361-06-5 HR: 2**
CYPROCONAZOLEmf: C₁₅H₁₈ClN₃O mw: 291.81**SYNS:** α -(4-CHLOROPHENYL)- α -(1-CYCLOPROPYLETHYL)-1H-1,2,4-TRIAZOLE-1-ETHANOL \square ALTO \square ATEMI \square ATEMI C \square (2RS,3RS. 2RS,3SR)-2-(4-CHLORO-PHENYL)-3-CYCLOPROPYL-1-(1H-1,2,4-TRIAZOL-1-YL)BUTAN-2-OL \square SAN 619F \square SN 108266 \square 1H-1,2,4-TRIAZOLE-1-ETHANOL, α -(4-CHLOROPHENYL)- α -(1-CYCLOPROPYLETHYL)-**TOXICITY DATA with REFERENCE:**

eye-rbt 60 mg MLD NNGADV 22,263,1997

orl-rat LD50:1020 mg/kg PEMNDP 9,215,1991

ihl-rat LC50:>5650 mg/m³/4H PEMNDP 9,215,1991

skn-rat LD50:>2 g/kg PEMNDP 9,215,1991

orl-mus LD50:352 mg/kg NNGADV 22,263,1997

orl-qal LD50:150 mg/kg PEMNDP 9,215,1991

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. Experimental reproductive effects. A mild eye irritant. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CQJ250 CAS: 2759-71-9 HR: 3**
CYPROMIDmf: C₁₀H₉Cl₂NO mw: 230.10**SYNS:** CIPROMID \square CLOBBER \square 3,4'-DICHLOROCYCLO-PROPANECARBOXANILIDE \square N-(3,4-DICHLOROPHENYL)-CYCLOPROPANECARBOXAMIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:215 mg/kg WRPCA2 9,119,70

orl-rbt LD50:3028 mg/kg 28ZEAL 5,64,76

skn-rbt LD50:3038 mg/kg WRPCA2 7,135,68

SAFETY PROFILE: A poison by ingestion.Moderately toxic by skin contact. An herbicide. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**CQJ500 CAS: 427-51-0 HR: 2**
CYPROSTERONE ACETATEmf: C₂₄H₂₉ClO₄ mw: 416.98**PROP:** Crystals from diisopropyl ether. Mp: 200–201°.**SYNS:** 17- α -ACETOXY-6-CHLORO-1- α ,2- α -METHYLENE PREGNA-4,6-DIENE-3,20-DIONE \square 6-CHLORO-1,2- α -METHYLENE-6-DEHYDRO-17- α -HYDROXYPROGESTERONE ACETATE \square 6-CHLORO- Δ^6 -1,2- α -METHYLENE-17- α -HYDROXYPROGESTERONE ACETATE \square 6-CHLORO-1,2- α -METHYLENE-17- α -HYDROXY- Δ^6 -PROGESTERONE ACETATE \square CPA \square CYPRO TERONE ACETATE \square CYPROTERON-R ACETATE \square 1,2- α -METHYLENE-6-CHLORO- Δ^6 -17- α -HYDROXYPROGESTERONE ACETATE \square 1,2- α -METHYLENE-6-CHLORO-PREGNA-4,6-DIENE-3,20-DIONE 17- α -ACETATE \square 1,2- α -METHYLENE-6-CHLORO- Δ^4 -PREGNADIENE-17- α -OL-3,20-DIONE 17- α -ACETATE \square 1,2- α -METHYLENE-6-CHLORO- Δ^4 -PREGNADIENE-17- α -OL-3,20-DIONE ACETATE \square NSC-81430 \square PREGNA-4,6-DIENE-3,20-DIONE, 6-CHLORO-17-HYDROXY-1- α ,2- α -METHYLENE-, ACETATE \square SH 714**TOXICITY DATA with REFERENCE:**

dns-rat-orl 40 mg/kg CBINA8 31,287,80

ipr-rat LD50:565 mg/kg IYKEDH 13,349,82

ipr-mus LD50:3300 mg/kg NIIRDN 6,APP-4,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic and teratogenic data. Moderately toxic by intraperitoneal route. Human reproductive effects by ingestion and possibly other routes: abnormal spermatogenesis, changes in the testes, epididymis, and sperm duct, impotence, and other paternal effects. Experimental reproductive effects. Mutation data reported. Used as a drug to arrest precocious puberty in children and hirsutism in women. A steroid. When heated to decomposition it emits toxic fumes of Cl⁻.**CQJ750 CAS: 56-17-7 HR: 3**
CYSTAMINE DIHYDROCHLORIDEmf: C₄H₁₂N₂S₂•2ClH mw: 225.22**PROP:** Prisms from EtOH. Mp: 212°.**SYNS:** AED \square 2-AMINOETHYL DISULFIDE DIHYDRO-CHLORIDE \square 2,2'-DITHIO-BIS-(ETHYLAMINE) DIHYDRO-CHLORIDE \square USAF CB-34**TOXICITY DATA with REFERENCE:**

scu-rat LDLo:200 mg/kg AEPPAE 185,461,37

ipr-mus LD50:405 mg/kg ARZNAD 21,284,71

scu-cat LDLo:200 mg/kg AEPPAE 185,461,37

scu-gpg LDLo:300 mg/kg AEPPAE 185,461,37

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A poison by subcutaneous and intraperitoneal routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of HCl, SO_x, and NO_x. See also SULFIDES.**CQK000 CAS: 52-90-4 HR: 2**
I-CYSTEINEmf: C₃H₇NO₂S mw: 121.17**PROP:** A solid. Mp: 178°. Sol in H₂O, AcOH, and NH₃. An amino acid derived from cystine, occurring naturally in the l-form, which will be considered here. Colorless crystals; sol in water, ammonium hydroxide, and acetic acid; insol in ether, acetone, benzene, carbon disulfide, and carbon tetrachloride.**SYNS:** CYSTEIN \square CYSTEINE \square l-(+)-CYSTEINE \square HALF-CYSTEINE \square HALF-CYSTINE \square β -MERCAPTOALANINE \square THIOSERINE**TOXICITY DATA with REFERENCE:**mmo-sat 60 μ mol/plate BCPA6 34,3725,85

dns-hmn:fbr 1 mmol/L CALEDQ 5,199,78
 orl-rat LD50:1890 mg/kg AGACBH 4,125,74
 ipr-rat LD50:1620 mg/kg OYYAA2 7,1251,73
 scu-rat LD50:1550 mg/kg OYYAA2 7,1251,73
 orl-mus LD50:660 mg/kg ARTODN 41,79,78
 ipr-mus LD50:1400 mg/kg OYYAA2 7,1251,73
 scu-mus LD50:1360 mg/kg OYYAA2 7,1251,73

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

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

CQK100 CAS: 51025-94-6 HR: 2
CYSTEINE-GERMANIC ACID

mf: C₃H₁₁GeNO₆S mw: 261.80

SYNS: (L-CYSTEINE)TETRAHYDROXYGERMANIUM □ DB □ GERMANIUM, (L-CYSTEINE)TETRAHYDROXY-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3400 mg/kg TOIZAG 20,180,73
 ipr-rat LD50:1090 mg/kg TOIZAG 20,180,73
 scu-rat LD50:1200 mg/kg TOIZAG 20,180,73
 orl-mus LD50:3320 mg/kg TOIZAG 20,180,73
 ipr-mus LD50:2350 mg/kg TOIZAG 20,180,73
 scu-mus LD50:2160 mg/kg TOIZAG 20,180,73

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x and SO_x.

CQK125 CAS: 58100-26-8 HR: 2
CYSTEINE HYDRAZIDE

mf: C₃H₉N₃OS mw: 135.18

SYN: L-HYDRAZIDE CYSTEINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1050 mg/kg AITEAT 27,733,79
 ipr-rat LD50:430 mg/kg AITEAT 27,733,79
 orl-mus LD50:1010 mg/kg AITEAT 27,733,79
 ipr-mus LD50:525 mg/kg AITEAT 27,733,79

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also L-CYSTEINE.

CQK250 CAS: 52-89-1 HR: 2
L-CYSTEINE HYDROCHLORIDE

mf: C₃H₇NO₂S•ClH mw: 157.63

PROP: White crystalline powder; characteristic acetic taste. Mp: 175° (decomp). Sol in water, alc.

SYNS: CYSTEINE CHLORHYDRATE □ CYSTEINE HYDROCHLORIDE □ L-CYSTEINE HYDROCHLORIDE □ L-CYSTEINE MONOHYDROCHLORIDE (FCC)

TOXICITY DATA with REFERENCE:

mma-sat 20 mg/plate FCTOD7 22,623,84
 cyt-ham:fbr 2 g/L FCTOD7 22,623,84
 ipr-mus LD50:1250 mg/kg NTIS** AD691-490
 ivn-mus LD50:771 mg/kg JJANAX 38,137,85
 unk-mus LD50:3 g/kg BJCAAI 6,160,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal, intravenous, and possibly other routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and Cl⁻.

CQK300 CAS: 19246-18-5 HR: D
L-CYSTEINYLGLYCINE

mf: C₅H₁₀N₂O₃S mw: 178.23

SYNS: GLYCINE, N-L-CYSTEINYL- □ GLYCINE, N-CYSTEINYL

TOXICITY DATA with REFERENCE:

mic-sat 1 μmol/plate MUREAV 224,89,1989
 mic-esc 500 μLg/plate MUREAV 446,205,1999

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

CQK325 CAS: 56-89-3 HR: 1
L-CYSTINE

mf: C₆H₁₂N₂O₄S₂ mw: 240.30

PROP: Plates or prisms. Mp: 258–261° (decomp) (sealed tube). Sol in hot H₂O, mineral acids, and aq alkali.

Naturally occurring levorotatory form. Colorless to white hexagonal tablets from water. Decomp 260–261°. d-Cystine: Crystals. Sltly sol in water. dl-Cystine, the synthetic racemic form: Crystals. Sltly sol in water. meso-Cystine, the internally compensated form: Crystals. Sltly sol in water.

SYNS: CYSTEINE DISULFIDE □ CYSTIN □ (–)-CYSTINE □ CYSTINE ACID □ DICYSTINE □ β,β'-DITHIODIALANINE □ GELUCYSTINE □ OXIDIZED L-CYSTEINE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:25 g/kg OYYAA2 15,199,78

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits toxic fumes of PO_x and SO_x.

CQK500 CAS: 53317-25-2 HR: 3
L-CYSTINE-BIS(N,N-β-CHLOROETHYL)HYDRAZIDEHYDROBROMIDE

mf: C₁₄H₂₈Cl₄N₆O₂S₂•2BrH mw: 680.24

SYN: CYDRIN

TOXICITY DATA with REFERENCE:

ipr-rat LD50:47 mg/kg NEOLA4 24,401,77
 ipr-mus LD50:71 mg/kg NEOLA4 24,401,77
 scu-mus LD50:76 mg/kg NEOLA4 24,401,77

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of HBr, SO_x, NO_x, and Cl⁻.

CQK600 CAS: 21739-91-3 HR: 3
CYTEMBENA

mf: C₁₁H₈BrO₄•Na mw: 307.09

SYNS: ACRYLIC ACID, 3-p-ANISOYL-3-BROMO-, SODIUM SALT, (E)- □ (E)-3-p-ANISOYL-3-BROMOACRYLIC ACID SODIUM SALT □ 2-BUTENOIC ACID, 3-BROMO-4-(4-METHOXYPHENYL)-4-OXO-, SODIUM SALT, (E)- (9CI) □ MBBA □ NCI-C50737 □ NSC-104801 □ SODNA SUL KYSELINY cis-β-4-METHOXYBENZOYL-β-BROMAKRYLOVE

TOXICITY DATA with REFERENCE:

mmo-sat 100 µg/plate SCIEAS 236,933,87
 msc-mus:lyms 25 mg/L SCIEAS 236,933,87
 ipr-rat LD:14 mg/kg/2Y-I:CAR,REP NTPTR* NTP-TR-207,81
 ipr-rat TDLo:7 mg/kg/2Y-I:CAR,REP NTPTR* NTP-TR-207,81
 ipr-rat LD50:155 mg/kg CKFRAY 29,106,80
 scu-rat LD50:155 mg/kg CKFRAY 29,106,80
 ivn-rat LD50:245 mg/kg CKFRAY 29,106,80
 ipr-mus LD50:50 mg/kg CKFRAY 29,106,80
 scu-mus LD50:52 mg/kg CKFRAY 29,106,80
 ivn-mus LD50:98 mg/kg CKFRAY 29,106,80

CONSENSUS REPORTS: NTP Carcinogenesis

Bioassay (ipr): Clear Evidence: rat NTPTR* NTP-TR-207,81; NTP Carcinogenesis Bioassay (ipr): No Evidence: mouse NTPTR* NTP-TR-207,81

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. Questionable carcinogen with experimental carcinogenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NaO₂ and Br⁻.

CQL250 CAS: 115-93-5 HR: 3
CYTHIOATE

mf: C₈H₁₂NO₅PS₂ mw: 297.30

PROP: A solid. Insol in H₂O; sol in C₆H₆, Me₂CO, Et₂O, and EtOH.

SYNS: AC 26,691 □ AMERICAN CL-26691 □ AMERICAN CYANAMID CL-26,691 □ O-(4-(AMINOSULFONYL)PHENYL) O,O-DIMETHYL PHOSPHOROTHIOATE □ BENZENESULFONAMIDE, p-HYDROXY-, O-ESTER with O,O-DIMETHYL PHOSPHOROTHIOATE □ CL 26691 □ CYFLEE □ O,O-DIMETHYL O-p-SULFAMOYLPHENYL PHOSPHOROTHIOATE □ ENT 25,640 □ PHOSPHOROTHIOIC ACID, O-(4-(AMINOSULFONYL)PHENYL) O,O-DIMETHYL ESTER (9CI) □ PROBAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:160 mg/kg FMCHA2 -D88,80
 orl-mus LD50:38 mg/kg BESAAT 15,116,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. An insecticide. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.

CQL300 CAS: 63-37-6 HR: D
CYTIDINE MONOPHOSPHATE

mf: C₉H₁₄N₃O₈P mw: 323.23

SYNS: CMP □ 5'-CMP □ CMP (nucleotide) □ CYTIDINE 5'-(DIHYDROGENPHOSPHATE) □ CYTIDINE 5'-MONOPHOSPHATE □ CYTIDINE 5'-MONOPHOSPHORIC ACID □ CYTIDINE 5'-PHOSPHATE □ CYTIDINE 5'-PHOSPHORIC ACID □ CYTIDYLIC ACID □ 5'-CYTIDYLIC ACID

TOXICITY DATA with REFERENCE:

oth-hmn:oth 1 mmol/L JIDEAE 65,52,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and PO_x.

CQL400 CAS: 65-47-4 HR: D
CYTIDINE-5'-TRIPHOSPHATE

mf: C₉H₁₆N₃O₁₄P₃ mw: 483.19

SYNS: CTP □ 5'-CTP □ CYTIDINE, 5'-(TETRAHYDROGEN TRIPHOSPHATE) □ CYTIDINE 5'-TRIPHOSPHORIC ACID

TOXICITY DATA with REFERENCE:

oth-hmn:oth 1 mmol/L JIDEAE 65,52,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and PO_x.

CQL500 CAS: 485-35-8 HR: 3
CYTISINE

mf: C₁₁H₁₄N₂O mw: 190.27

PROP: A solid. Mp: 155°.

SYNS: BAPTITOXIN □ BAPTITOXINE □ CYSTISINE □ CYTITONE □ 1,2,3,4,5,6-HEXAHYDRO-1,5-METHANO-8H-PYRIDO(1,2-A)(1,5)DIAZOCIN-8-ONE □ SOPHORINE □ ULEXINE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:20 mg/kg 85IXA4 -,589,48
 orl-mus LD50:101 mg/kg BJPCBM 35,161,69
 ipr-mus LD50:9400 µg/kg BJPCBM 35,161,69
 ivn-mus LD50:1730 µg/kg BJPCBM 35,161,69
 inv-cat LD50:400 µg/kg ITOBAO (2),104,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intravenous and intraperitoneal routes. A toxin found in some plants. When heated to decomposition it emits toxic fumes of NO_x.

CQL750 CAS: 6047-01-4 HR: 3
CYTISINE HYDROCHLORIDE

mf: C₁₁H₁₄N₂O•ClH mw: 226.73

PROP: A solid. Mp: 218°.

SYN: (-)-7R:9S-CYTISINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:101 mg/kg BJPCBM 35,161,69
 ipr-mus LD50:9400 µg/kg BJPCBM 35,161,69
 ivn-mus LD50:1730 µg/kg BJPCBM 35,161,69

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

CQM125 CAS: 14930-96-2 HR: 3
CYTOCHALASIN B

mf: C₂₉H₃₇NO₅ mw: 479.67

PROP: Needles from Me₂CO. Mp: 218–221°.

SYN: PHOMIN

TOXICITY DATA with REFERENCE:

dni-hmn:oth 1 mg/L CNREA8 45,311,85
 dni-hmn:hla 1 µmol/L MUREAV 92,427,82
 cyt-hmn:fbr 1 mg/L JCLBA3 89,194,81
 cyt-hmn:oth 1 mg/L JNCIAM 52,653,74
 cyt-mus:mmr 1 mg/L ITCSAF 19,58,83
 ipr-ham TDLo:5 mg/kg (female 8D post):TER TJADAB 22,59,80
 ipr-rat LD50:11 mg/kg TOXIA6 17,137,79

ipr-mus LD50:30 mg/kg FEPA7 38,438,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

**CQM250 CAS: 36011-19-5 HR: 3
CYTOCHALASIN E**

mf: C₂₈H₃₂NO₇ mw: 494.62

PROP: A solid. Mp: 206–208° decomp. Food storage mold metabolite of *Aspergillus clavatus* (TXAPA9 32,135,75).

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2700 µg/kg FEPA7 38,438,79

ipr-gpg LD50:500 µg/kg JJEMAG 48,105,78

SAFETY PROFILE: A poison by intraperitoneal route. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

**CQM325 CAS: 9007-43-6 HR: D
CYTOCHROME C**

PROP: Reduced form crystallizes as separate needles; oxidized form as rosettes. Mol wt about 13,000.

Cytochrome c2: Needles changing to squares. Mol wt about 13,000. Cytochrome c3: Needles. Mol wt 11,300.

SYNS: CROMOCI □ CYTOREST □ FERRICYTOCHROME C □ FERROCYTOCHROME C □ HEMATIN-PROTEIN □ HORSE-CYTOCHROME C □ HORSE HEART CYTOCHROME C □ LANDRAX □ MYOHEMATIN □ NITROSYLFERRICYTOCHROME C

TOXICITY DATA with REFERENCE:

mno-sat 20 µg/plate ABCHA6 45,327,81

mma-sat 20 µg/plate ABCHA6 45,327,81

orl-rat TDLo:250 mg/kg (1-22D preg):REP AJANA2 110,29,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**CQM400 CAS: 90029-72-4 HR: D
CYTOSINE PROPENAL**

mf: C₇H₇N₃O₂ mw: 165.15

SYN: 2-PROPENAL, 3-(4-AMINO-2-OXO-1(2H)-PYRIMIDINYL)-

TOXICITY DATA with REFERENCE:

add-ctl-oth 0.5 mmol/L/24H CRTOEC 13,1235,2000

mic-sat 0.1 µmol/plate/48H CRTOEC 13,1235,2000

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

**CQM500 CAS: 65-46-3 HR: 2
CYTOSINE RIBOSIDE**

mf: C₉H₁₃N₃O₅ mw: 243.25

PROP: Needles. Mp: 230° decomp.

SYNS: 4-AMINO-1-β-D-RIBOFURANOSYL-2(1H)-PYRIMIDIN-ONE □ CYTIDINE □ 1-β-RIBOFURANOSYLCYTOSINE

TOXICITY DATA with REFERENCE:

pic-esc 1 g/L ZAPOAK 12,583,72

oms-hmn:oth 100 µmol/L JIDEAE 65,52,75

dnd-mam:lym 150 µmol/L PNASA6 48,686,62

ipr-mus LD50:2700 mg/kg RPTOAN 40,66,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

**CQM600 CAS: 71-30-7 HR: 2
CYTOSINIMINE**

mf: C₄H₅N₃O mw: 111.12

SYNS: 4-AMINO-2-HYDROXYPYRIMIDINE □ 4-AMINO-2(1H)-PYRIMIDINONE □ CYTOSINE (8CI) □ 2(1H)-PYRIMIDINONE, 4-AMINO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:>2222 mg/kg JPETAB 207,504,78

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.

**CQM750 CAS: 3543-75-7 HR: 3
CYTOSTASAN**

mf: C₁₆H₂₁Cl₂N₃O₂•ClH mw: 394.76

SYNS: IMET 3393 □ γ-(1-METHYL-5-BIS(β-CHLORAEETHYL)AMINO BENZIMIDAZOLYL)BUTTERSÄURE HYDROCHLORID (GERMAN) □ γ-(1-METHYL-5-BIS(β-CHLOROAEETHYL)AMINO BENZIMIDAZOYL) BUTTER SAUERHYDROCHLORID (GERMAN)

TOXICITY DATA with REFERENCE:

orl-mus TDLo:250 mg/kg/4D-I:CAR ARGEAR 43,16,74

ipr-mus TDLo:50 mg/kg/4D-I:CAR ARGEAR 43,16,74

orl-rat LD50:200 mg/kg ATSUDG 8,504,85

ivn-rat LD50:40 mg/kg ATSUDG 8,504,85

orl-mus LD50:250 mg/kg ARGEAR 43,16,74

ipr-mus LD50:100 mg/kg ARGEAR 43,16,74

ivn-mus LD50:80 mg/kg ATSUDG 8,504,85

SAFETY PROFILE: A poison by ingestion, intravenous, and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic and teratogenic data. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

**CQN000 CAS: 4465-94-5 HR: 3
CYTOXAL ALCOHOL**

mf: C₇H₁₇Cl₂N₂O₃P•C₆H₁₃N mw: 378.33

SYNS: 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDROOXAZAPHOSPHORINE CYCLOHEXYLAMINE SALT □ N,N-BIS(2-CHLOROETHYL)-N'-(3-HYDROXYPROPYL)PHOSPHORODIAMIDATE, CYCLO-HEXYL AMMONIUM SALT □ N,N-BIS(2-CHLOROETHYL)-N'-3-PHOSPHORODIAMIDIC ACID HYDROXYLPROPYLCYCLOHEXYLAMINE SALT □ CYTOXYL ALCOHOL CYCLOHEXYLAMMONIUM SALT □ NCI-C04922 □ NSC-52695

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate NTPTB* JAN82

mma-sat 100 µg/plate NTPTB* JAN82

dni-hmn:lym 500 µmol/L AGACBH 4,117,74

ipr-mus TDLo:3900 mg/kg/26W-I:ETA CANCAR
40S,1935,77

orl-mus LD50:1618 mg/kg NCISP* JAN86

scu-mus LD50:966 mg/kg NCISP* JAN86

ivn-mus LD50:400 mg/kg NCISP* JAN86

CONSENSUS REPORTS: NCI Carcinogenesis

Studies (ipr); Clear Evidence: mouse, rat RRCRBU
52,1,75.

SAFETY PROFILE: Suspected carcinogen with
experimental carcinogenic and tumorigenic data. Poison
by intravenous route. Moderately toxic by ingestion and
subcutaneous routes. Experimental teratogenic and
reproductive effects. Human mutation data reported.
When heated to decomposition it emits very toxic fumes
of NO_x, NH₃, PO_x, and Cl⁻. See also ALCOHOLS.

CQN125

CAS: 3308-51-8

HR: D

CYTOXYL AMINE

mf: C₅H₇Cl₂N₂O₃P mw: 245.01

SYN: N,N-BIS(2-CHLOROETHYL)-o-(3-AMINOPROPYL)
PHOSPHORAMIDATE, ZWITTERION

TOXICITY DATA with REFERENCE:

dni-hmn:lym 500 µmol/L AGACBH 4,117,74

cyt-hmn:leu 50 µmol/L BLOOAW 27,816,66

SAFETY PROFILE: Human mutation data reported.
An experimental teratogen. Other experimental
reproductive effects. When heated to decomposition it
emits toxic fumes of NO_x, Cl⁻, and PO_x