

SAFETY PROFILE: Poison by intravenous route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and Hg.

CFD990 CAS: 59-50-7 HR: 3
4-CHLORO-*m*-CRESOL

mf: $\text{C}_7\text{H}_7\text{ClO}$ mw: 142.59

PROP: Odorless crystals (when pure) from pet ether. Mp: 55.5°, bp: 235°. Somewhat sol in water; very sol in org solvs.

SYNS: APTAL □ BAKTOL □ BAKTOLAN □ CANDASEPTIC □ p-CHLOR-*m*-CRESOL □ CHLOROCRESOL □ p-CHLOROCRESOL □ p-CHLORO-*m*-CRESOL □ 6-CHLORO-*m*-CRESOL □ 2-CHLORO-HYDROXYTOLUENE □ 6-CHLORO-3-HYDROXY-TOLUENE □ 4-CHLORO-3-METHYLPHENOL □ 3-METHYL-4-CHLOROPHENOL □ OTTAFAC □ PARMETOL □ PAROL □ PCMC □ PREVENTOL CMK □ RASCHIT □ RASEN-ANICON □ RCRA WASTE NUMBER U039

TOXICITY DATA with REFERENCE:

mno-sat 25 µg/plate TECSY 14,143,87
 uns-bac-esc 100 µmol/L MUREAV 307,141,94
 orl-rat LD50:1830 mg/kg SchP## 04APR86
 scu-rat LD50:400 mg/kg QJPPAL 12,212,39
 scu-rat LD50:400 mg/kg QJPPAL 12,212,39
 orl-mus LD50:600 mg/kg SCIEAS 36(1-4),10,89
 scu-mus LD50:360 mg/kg QJPPAL 12,212,39
 ivn-mus LD50:70 mg/kg QJPPAL 12,212,39

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

SAFETY PROFILE: Poison by intravenous, subcutaneous, and intraperitoneal routes. Moderately toxic by ingestion. An allergen. Mutation data reported. Incompatible with sodium hydroxide. When heated to decomposition it emits toxic fumes of Cl^- and phosgene. See also CRESOL and CHLOROPHENOLS.

CFE000 CAS: 1570-64-5 HR: 3
4-CHLORO-*o*-CRESOL

mf: $\text{C}_7\text{H}_7\text{ClO}$ mw: 142.59

PROP: Crystals from pet ether. Mp: 49°, bp: 222–225°.

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate TECSY 14,143,87
 orl-mus LD50:1320 mg/kg PHARAT 30,147,75
 ivn-mus LD50:56 mg/kg CSLNX* NX#03270

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

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and phosgene. See also CRESOL and CHLOROPHENOLS.

CFE500 CAS: 615-74-7 HR: 2
6-CHLORO-*m*-CRESOL

mf: $\text{C}_7\text{H}_7\text{ClO}$ mw: 142.59

SYNS: PHENOL, 2-CHLORO-5-METHYL- □ 2-CHLORO-5-METHYLPHENOL

TOXICITY DATA with REFERENCE:

orl-ql LD50:562 mg/kg AECTCV 12,355,83

orl-brd LD50:562 mg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CFE750 CAS: 2003-31-8 HR: 3
CHLOROCYANOACETYLENE

mf: C_3ClN mw: 85.49

$\text{ClC}\equiv\text{CC}\equiv\text{N}$

PROP: Crystals. Mp: 42–42.5°.

SYN: CHLOROPROPYNE NITRILE

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.
SAFETY PROFILE: Ignites spontaneously in air. A dangerous storage hazard, it may explode in a sealed container. When heated to decomposition it emits toxic fumes of Cl^- , NO_x , and CN^- . See also ACETYLENE COMPOUNDS, CYANIDE, NITRILES, and CHLORINATED HYDROCARBONS, ALIPHATIC.

CFE100 HR: 3
2-CHLORO- α -CYANO-6-METHYLERGOLINE-8-PROPIONAMIDE

mf: $\text{C}_{19}\text{H}_{21}\text{ClN}_4\text{O}$ mw: 356.89

SYN: ERGOLINE-8-PROPIONAMIDE, 2-CHLORO- α -CYANO-6-METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:12,500 µg/kg ARZNAD 33,1094,83

SAFETY PROFILE: Poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .

CFE250 CAS: 15271-41-7 HR: 3
3-CHLORO-6-CYANO-2-NORBORNANONE-*o*-(METHYLCARBAMOYL)OXIME

mf: $\text{C}_{10}\text{H}_{12}\text{ClN}_3\text{O}_2$ mw: 241.70

SYNS: endo-3-CHLORO-exo-6-CYANO-2-NORBORNANONE-*o*-(METHYLCARBAMOYL)OXIME □ 2-exo-CHLORO-6-endo-CYANO-2-NORBORNANONE-*o*-(METHYLCARBAMOYL)-OXIME2-CARBONITRILE □ 3-CHLORO-6-CYANONORBORNANONE-2-OXIME-*o*,N-METHYLCARBAMATE □ 5-CHLORO-6-(((METHYL AMINO)CARBONYL)OXY)IMINO)BICYCLO(2.2.1)-HEPTANE □ exo-5-CHLORO-6-OXO-endo-2-NORBORNANE-CARBONITRILE-*o*-(METHYLCARBAMOYL)OXIME □ COMPOUND UC-20047 A □ ENT 25,962 □ TRANID □ UC 20047 □ UC 26089 □ UC 20,047A □ UNION CARBIDE UC 20047

TOXICITY DATA with REFERENCE:

orl-rat LD50:19 mg/kg

TXAPA9 14,515,69

skn-rat LD50:303 mg/kg WRPCA2 9,119,70

unk-rat LD50:26 mg/kg 30ZDA9 -,198,71

skn-rbt LDLo:303 mg/kg BESAAT 12,161,66

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

SAFETY PROFILE: Poison by ingestion, skin contact, and possibly other routes. A pesticide. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also CARBAMATES.

CFF500 CAS: 82-93-9 HR: 3**CHLOROCYCLINE**mf: C₁₈H₂₁ClN₂ mw: 300.86

SYNS: CHLOROCYCLINE □ CHLOROCYCLIZINE □ 1-(4-CHLORO BENZHYDRYL)-4-METHYLPIPERAZINE □ CHLORO-CYCLIZINE □ 1-(p-CHLORO-α-PHENYLBENZYL)-4-METHYLPIPERAZINE □ DI-PARALEN □ DIPARALENE □ HISTANTIN □ HISTANTINE

TOXICITY DATA with REFERENCE:

dni-rat-ipr 50 mg/kg JPETAB 171,109,70

SAFETY PROFILE: Unspecified human reproductive effects. Experimental teratogenic and reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFF600 CAS: 766-66-5 HR: 2**2-CHLOROCYCLOHEPTANONE**mf: C₇H₁₁ClO mw: 146.63

SYNS: α-CHLOROCYCLOHEPTANONE □ CYCLOHEPTAN-ONE, 2-CHLORO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:980 mg/kg COREAF 254,2683,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of Cl⁻.

CFG250 CAS: 822-87-7 HR: 2**α-CHLOROCYCLOHEXANONE**mf: C₆H₉ClO mw: 132.60**SYN:** 2-CHLOROCYCLOHEXANONE**TOXICITY DATA with REFERENCE:**

mmo-sat 370 nmol/plate CBINA8 45,305,83

ipr-mus LD50:830 mg/kg COREAF 254,2683,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also KETONES and CHLORIDES.

CFG300 CAS: 2441-97-6 HR: D**3-CHLORO-1-CYCLOHEXENE**mf: C₆H₉Cl mw: 116.60

SYNS: CYCLOHEXENE, 3-CHLORO- □ 3-CYCLOHEXENYL CHLORIDE

TOXICITY DATA with REFERENCE:

mmo-sat 40 μmol/plate BCPCA6 29,2611,80

mmo-sat 100 μmol/plate CBINA8 38,303,82

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

CFG500 CAS: 14737-08-7 HR: 2**4-CHLORO-4-CYCLOHEXENE-1,2-DICARBOXYLIC ANHYDRIDE**mf: C₈H₇ClO₃ mw: 186.60

SYNS: ANHYDRIDE KYSELINY 4-CHLOR-1,2,3,6-TETRA HYDROFTA-LOVE (CZECH) □ 4-CHLORTETRAHYDRO FTALANHYDRID (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,140,72

eye-rbt 20 mg/24H SEV 28ZPAK -,140,72

orl-rat LD50:3390 mg/kg 28ZPAK -,140,72

SAFETY PROFILE: Moderately toxic by ingestion. A severe eye and mild skin irritant. When heated to decomposition it emits toxic fumes of Cl⁻. See also ANHYDRIDES.

CFG750 CAS: 10379-14-3 HR: 2
7-CHLORO-5-(CYCLOHEXEN-1-YL)-1,3-DIHYDRO-1-METHYL-2H-1,4-BENZODIAZEPIN-2-ONEmf: C₁₆H₁₇ClN₂O mw: 288.80**PROP:** Yellow-brown crystals from EtOAc. Mp: 144°.

SYNS: CB 4261 □ 4361 CB □ 7-CHLORO-5-(1-CYCLOHEXENYL)-1-METHYL-2-OXO-2,3-DIHYDRO-1H-(1,4)-BENZO(6) DIAZEPINE □ CLINOXAN □ MUSARIL □ MYOLASTAN □ TETRAZEPAM

TOXICITY DATA with REFERENCE:

orl-mus LD50:2000 mg/kg CHTPBA 2,254,67

ipr-mus LD50:415 mg/kg 27ZQAG -,171,72

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. A tranquilizer and muscle relaxant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also DIAZEPAM and KETONES.

CFH000 CAS: 77966-40-6 HR: 3
6'-CHLORO-2-(CYCLOHEXYLAMINO)-o-ACETOTOLUIDIDE HYDROCHLORIDEmf: C₁₅H₂₁ClN₂O•ClH mw: 317.29**SYN:** C 3115**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 8,407,58

ipr-rat LD50:83 mg/kg ARZNAD 8,407,58

scu-mus LD50:122 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFH500 CAS: 13909-11-0 HR: 3
cis-3-(2-CHLOROCYCLOHEXYL)-1-(2-CHLOROETHYL)-1-NITROSOUREAmf: C₉H₁₅Cl₂N₃O₂ mw: 268.17

SYNS: cis-N⁻(2-CHLOROCYCLOHEXYL)-N-(2-CHLOROETHYL)-N-NITROSOUREA □ (Z)-3-(2-CHLOROCYCLOHEXYL)-1-(2-CHLOROETHYL)-1-NITROSOUREA □ NSC-84954

TOXICITY DATA with REFERENCE:

ipr-mus LD50:52,100 μg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal route. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.

CFH750 CAS: 13909-12-1 HR: 3
trans-3-(2-CHLOROCYCLOHEXYL)-1-(2-CHLOROETHYL)-1-NITROSOUREAmf: C₉H₁₅Cl₂N₃O₂ mw: 268.17

SYNS: trans-N⁻(2-CHLOROCYCLOHEXYL)-N-(2-CHLOROETHYL)-N-NITROSOUREA □ NSC-88104 □ SRI 2656

TOXICITY DATA with REFERENCE:

orl-mus LD50:51,100 μg/kg NCISP* JAN86

ipr-mus LD50:62,230 µg/kg NCISP* JAN86

scu-mus LD50:74,600 µg/kg NCISP* JAN86

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

CFH825 CAS: 28968-07-2 HR: 3
**6-CHLORO-5-CYCLOHEXYL-1-INDANCARB-
 OXYLIC ACID**

mf: C₁₆H₁₉ClO₂ mw: 278.80

PROP: Colorless crystals from pet ether. Mp: 150.5–152.5°. (S)-(+)-Form: Colorless needles from pet ether. Mp: 135–136°. (R)-(-)-Form: Colorless crystals from pet ether. Mp: 134–135°. Sltly sol in water.

SYNS: BRITAI □ (±)-6-CHLORO-5-CYCLOHEXYL-2,3-DIHYDRO-1H-INDENE-1-CARBOXYLIC ACID (9CI) □ (±)-6-CHLORO-5-CYCLOHEXYLINDAN-1-CARBOXYLIC ACID □ (±)-6-CHLORO-5-CYCLOHEXYL-1-INDANCARBOXYLIC ACID □ CLIDANAC □ (±)-2,3-DIHYDRO-6-CHLORO-5-CYCLOHEXYL-1H-INDENE-1-CARBOXYLIC ACID □ INDANAL □ TAI-284 □ (±)-TAI 284 □ dl-TAI 284

TOXICITY DATA with REFERENCE:

orl-rat LD50:41 mg/kg JMC MAR 15,1297,72

ipr-rat LD50:50 mg/kg OYYAA2 7,333,73

scu-rat LD50:60 mg/kg OYYAA2 7,333,73

ivn-rat LD50:45 mg/kg OYYAA2 7,333,73

orl-mus LD50:750 mg/kg OYYAA2 7,333,73

ipr-mus LD50:500 mg/kg OYYAA2 7,333,73

scu-mus LD50:800 mg/kg OYYAA2 7,333,73

ivn-mus LD50:150 mg/kg OYYAA2 7,333,73

orl-rbt LD50:250 mg/kg OYYAA2 7,333,73

orl-gpg LD50:400 mg/kg OYYAA2 7,333,73

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

CFI000 CAS: 77966-41-7 HR: 3
**6'-CHLORO-2-(N-CYCLOHEXYL-N-METHYL
 AMINO)-o-ACETOTOLUIDIDE HYDRO-
 CHLORIDE**

mf: C₁₆H₂₃ClN₂O•ClH mw: 331.32**SYN:** C 3120

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 8,407,58

ipr-rat LD50:105 mg/kg ARZNAD 8,407,58

scu-mus LD50:337 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFI250 HR: 3
CHLOROCYCLOPENTANE

mf: C₅H₉Cl mw: 104.58**PROP:** Flash p: 60.8°F.

SAFETY PROFILE: A dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

CFI500 CAS: 694-28-0 HR: 3
α-CHLOROCYCLOPENTANONE

mf: C₅H₇ClO mw: 118.57**SYN:** 2-CHLOROCYCLOPENTANONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:310 mg/kg COREAF 254,2683,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of Cl⁻. See also KETONES and CHLORIDES.

CFI625 CAS: 96-40-2 HR: 3
3-CHLOROCYCLOPENTENE

mf: C₅H₇Cl mw: 102.56**PROP:** Unstable oil. Bp: 18–25° @ 5 mm.

SAFETY PROFILE: A dangerous storage hazard; it may decompose explosively at room temperature. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

CFI750 CAS: 13347-42-7 HR: 2
4-CHLORO-2-CYCLOPENTYL PHENOL

mf: C₁₁H₁₃ClO mw: 196.69**SYN:** DOWICIDE 9

TOXICITY DATA with REFERENCE:

skn-hmn 25 mg ML DOWCC* Apr.55

eye-rbt 100 mg SEV DOWCC* Apr.55

orl-rat LDLo:420 mg/kg DOWCC*

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

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A human skin irritant. A severe eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROPHENOLS.

CFJ000 CAS: 63007-70-5 HR: 2
**3-CHLORO-4-CYCLO-PROPYLMETHOXY
 PHENYLACETIC ACID LYSINE SALT (d,l)**

mf: C₁₂H₁₃ClO₃•C₆H₁₄N₂O₂ mw: 386.92

SYNS: 2-(3-CHLORO-4-CYCLOPROPYLMETHOXY PHENYL) ACETIC ACID LYSINE SALT (d,l) □ ISF 2508

TOXICITY DATA with REFERENCE:

orl-rat LD50:895 mg/kg FRPSAX 32,286,77

ipr-rat LD50:429 mg/kg FRPSAX 32,286,77

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.

CFJ100 CAS: 447-31-4 HR: 3
α-CHLORODEOXYBENZOIN

mf: C₁₄H₁₁ClO mw: 230.70

SYNS: ACETOPHENONE, α -CHLORO- α -PHENYL- \square ACETO PHENONE, 2-CHLORO-2-PHENYL-(8CI) \square α -CHLOROBENZYL PHENYL KETONE \square 2-CHLORO-1,2-DIPHENYLETHANONE \square 2-CHLORO-2-PHENYLACETOPHENONE \square DESYL CHLORIDE \square ETHONE, 2-CHLORO-1,2-DIPHENYL-(9CI)

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:500 mg/kg CBCCT* 5,284,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

CFJ200 CAS: 123318-82-1 HR: D
2-CHLORO-9-(2-DEOXY-2-FLUORO- β -d-ARABINOFURANOSYL)ADENINE

mf: $\text{C}_{10}\text{H}_{11}\text{ClFN}_5\text{O}_3$ mw: 303.71

SYNS: C1-F-ARA-A \square 9H-PURIN-6-AMINE,2-CHLORO-9-(2-DEOXY-2-FLUORO- β -d-ARABINOFURANOSYL)-

TOXICITY DATA with REFERENCE:

dni-hmn-leu 50 nmol/L CNREA8 51,2386,1991

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x , F^- , and Cl^- .

CFJ375 HR: D
6-CHLORO-6-DEOXYGLUCOSE

mf: $\text{C}_6\text{H}_{11}\text{ClO}_5$ mw: 198.62

SYNS: 6CDG \square 6-CHLORO-6-DEOXY-d-GLUCOSE

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- .

CFJ750 CAS: 50-90-8 HR: 2
5-CHLORO-2'-DEOXYURIDINE

mf: $\text{C}_9\text{H}_{11}\text{ClN}_2\text{O}_5$ mw: 262.67

PROP: Fine needles from MeOH/Et₂O. Mp: 178–179.5°.

SYNS: 5-CHLORODEOXYURIDINE \square CLUDR

TOXICITY DATA with REFERENCE:

msc-hmn:lym 100 $\mu\text{mol/L}$ LIFSAR 19,563,76

cyt-ham:ovr 10 $\mu\text{mol/L}$ BLFSBY 29A,69,84

sce-ham:ovr 10 $\mu\text{mol/L}$ MUREAV 91,395,81

msc-ham:ovr 500 nmol/L ENMUDM 4,301,82

ipr-rat LD50:2000 mg/kg ADTEAS 3,181,68

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFK000 CAS: 93-71-0 HR: 3
2-CHLORO-N,N-DIALLYLACETAMIDE

mf: $\text{C}_8\text{H}_{12}\text{ClNO}$ mw: 173.66

PROP: Amber liquid. Bp: 74° @ 0.3 mm. Sltly sol in water; sol in alc, hexane, and xylene.

SYNS: ALIDOCHELR \square ALLIDOCHELR \square CDA \square CDAAT \square α -CHLORO-N,N-DIALLYLACETAMIDE \square 2-CHLORO-N,N-DI-2-PROPENYLACETAMIDE \square CP 6,343 \square DIALLYLCHLORO ACETAMIDE \square N,N-DIALLYLCHLOROACETAMIDE \square N,N-

DIALLYL- α -CHLOROACETAMIDE \square N,N-DIALLYL-2-CHLORO ACETAMIDE \square NCI-CO4035 \square RADOX \square RANDOX \square RANTOX T

TOXICITY DATA with REFERENCE:

orl-rat LD50:700 mg/kg RREVAH 10,97,65

skn-rat LD50:360 mg/kg WRPCA2 9,119,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion. An herbicide. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also ALLYL COMPOUNDS.

CFK125 CAS: 95-83-0 HR: 3
4-CHLORO-1,2-DIAMINO BENZENE

mf: $\text{C}_6\text{H}_7\text{ClN}_2$ mw: 142.60

PROP: Leaflets from H₂O. Mp: 76°.

SYNS: p-CHLORO-o-PHENYLENEDIAMINE \square 4-CHLORO-o-PHENYLENEDIAMINE \square 4-CHLORO-1,2-PHENYLENEDIAMINE \square 4-Cl-o-PD \square 1,2-DIAMINO-4-CHLOROBENZENE \square 3,4-DIAMINOCHLOROBENZENE \square 3,4-DIAMINO-1-CHLORO BENZENE \square NCI-C03292 \square URSOL OLIVE 6G

TOXICITY DATA with REFERENCE:

mma-sat 10 $\mu\text{g/plate}$ ENMUDM 7(Suppl 5),1,85

mma-esc 1 mg/plate ENMUDM 7(Suppl 5),1,85

dnd-hmn:fbr 50 $\mu\text{mol/L}$ MUREAV 127,107,84

cyt-mus-ipr 100 mg/kg ENMUDM 8(Suppl 6),53,86

orl-rat TDLo:135 g/kg/77W-C:CAR CRNGDP 1,495,80

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Human Limited Evidence IMEMDT 27,81,82; Animal Sufficient Evidence IMEMDT 27,81,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-63,78. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also AROMATIC AMINES.

CFK150 CAS: 14439-61-3 HR: D
4'-CHLORODIAZEPAM

mf: $\text{C}_{16}\text{H}_{12}\text{Cl}_2\text{N}_2\text{O}$ mw: 319.20

SYNS: 2H-1,4-BENZODIAZEPIN-2-ONE, 7-CHLORO-5-(4-CHLOROPHENYL)-1,3-DIHYDRO-1-METHYL- \square CHLORO DIAZEPAM \square 2H-1,4-BENZODIAZEPIN-2-ONE, 7-CHLORO-5-(p-CHLOROPHENYL)-1,3-DIHYDRO-1-METHYL- \square 7-CHLORO-1,3-DIHYDRO-1-METHYL-5-(p-CHLOROPHENYL)-2H-1,4-BENZO DIAZEPIN-2-ONE \square RO 5-4864

TOXICITY DATA with REFERENCE:

dns-rat-oth 10 nmol/L CALEDQ 49,115,1990

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

CFK325 CAS: 17927-57-0 HR: 3
CHLORODIBORANE

mf: B_2ClH_5 mw: 62.11

PROP: Colorless gas. Mp: -143.4°.

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x, I⁻, and Cl⁻.

CFL300 CAS: 29510-76-7 HR: D
2-CHLORO-3-(3,4-DICHLOROPHENYL)-1-ISO
PROPYL-4-METHYL-IMIDAZOLIUM
CHLORIDE

mf: C₁₃H₁₄Cl₃N₂•Cl mw: 340.09

SYN: IMIDAZOLIUM, 2-CHLORO-3-(3,4-DICHLOROPHENYL)-1-ISOPROPYL-4-METHYL-, CHLORIDE

TOXICITY DATA with REFERENCE:

cyt-unr-cel 10 mg/L PHMCAA 12,280,70

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

CFL500 CAS: 77791-58-3 HR: 2
2'-CHLORO-2-(DIETHYLAMINO)ACETANILIDE
HYDROCHLORIDE

mf: C₁₂H₁₇ClN₂O•ClH mw: 277.22

SYN: C 3070

TOXICITY DATA with REFERENCE:

eye-rbt 2% MOD ARZNAD 8,270,58

ipr-rat LD50:550 mg/kg ARZNAD 8,270,58

ipr-mus LD50:600 mg/kg ARZNAD 8,270,58

scu-mus LD50:2150 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFL750 CAS: 55489-49-1 HR: 3
3'-CHLORO-2-(DIETHYLAMINO)ACETANILIDE
HYDROCHLORIDE

mf: C₁₂H₁₇ClN₂O•ClH mw: 277.22

SYN: C 3191

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,170,58

ipr-rat LD50:370 mg/kg ARZNAD 8,170,58

ipr-mus LD50:175 mg/kg JAPMA8 49,80,60

scu-mus LD50:375 mg/kg JAPMA8 49,80,60

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

CFM000 CAS: 74816-28-7 HR: 3
4'-CHLORO-2-(DIETHYLAMINO)ACETANILIDE
HYDROCHLORIDE

mf: C₁₂H₁₇ClN₂O•ClH mw: 277.22

SYN: C 3061

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,170,58

ipr-rat LD50:318 mg/kg ARZNAD 8,170,58

ipr-mus LD50:375 mg/kg ARZNAD 8,170,58

scu-mus LD50:800 mg/kg ARZNAD 8,170,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFM250 CAS: 77966-46-2 HR: 3
3'-CHLORO-2-(DIETHYLAMINO)-*o*-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₉ClN₂O•ClH mw: 291.25

SYNS: C 3037 □ 2'-CHLORO-2-(DIETHYLAMINO)-2'-METHYL ACETANILIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,270,58

ipr-rat LD50:245 mg/kg ARZNAD 8,270,58

ipr-mus LD50:200 mg/kg JAPMA8 49,80,60

scu-mus LD50:375 mg/kg JAPMA8 49,80,60

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFM500 CAS: 77966-47-3 HR: 3
4'-CHLORO-2-(DIETHYLAMINO)-*o*-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₉ClN₂O•ClH mw: 291.25

SYNS: C 3101 □ 4'-CHLORO-2-(DIETHYLAMINO)-2'-METHYL ACETANILIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,270,58

ipr-rat LD50:350 mg/kg ARZNAD 8,270,58

scu-mus LD50:860 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFM750 CAS: 77966-48-4 HR: 3
5'-CHLORO-2-(DIETHYLAMINO)-*o*-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₉ClN₂O•ClH mw: 291.25

SYNS: C 3152 □ 3'-CHLORO-2-(DIETHYLAMINO)-6'-METHYL ACETANILIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,270,58

ipr-rat LD50:261 mg/kg ARZNAD 8,270,58

scu-mus LD50:1125 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFN000 CAS: 77966-49-5 HR: 3
6'-CHLORO-2-(DIETHYLAMINO)-*m*-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₉ClN₂O•ClH mw: 291.25

SYNS: C 3201 □ 2'-CHLORO-2-(DIETHYLAMINO)-5'-METHYLACETANILIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MOD ARZNAD 8,270,58

ipr-rat LD50:370 mg/kg ARZNAD 8,270,58

scu-mus LD50:2450 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFN500 CAS: 77985-16-1 HR: 3

**6'-CHLORO-3-(DIETHYLAMINO)-o-BUTYRO
TOLUIDIDE HYDROCHLORIDE**mf: C₁₅H₂₃ClN₂O•ClH mw: 319.31

SYN: C 5126

TOXICITY DATA with REFERENCE:

ipr-rat LD50:35 mg/kg ARZNAD 8,544,58

ipr-mus LD50:30 mg/kg ARZNAD 8,544,58

scu-mus LD50:40 mg/kg ARZNAD 8,544,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**CFN750 HR: 2
(6'-CHLORO-2-(2-DIETHYLAMINO)ETHOXY)
ACETANILIDE HYDROCHLORIDE**mf: C₁₄H₂₁ClN₂O₂•ClH mw: 321.28

SYN: C 7239

TOXICITY DATA with REFERENCE:

ipr-rat LD50:590 mg/kg ARZNAD 9,683,59

scu-mus LD50:2050 mg/kg ARZNAD 9,683,59

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFO000 CAS: 102489-48-5 HR: 3
(6'-CHLORO-2-(2-(DIETHYLAMINO)ETHOXY)-o-
ACETOTOLUIDIDE HYDROCHLORIDE**mf: C₁₅H₂₃ClN₂O₂•ClH mw: 335.31

SYN: C 3068

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,113,59

ipr-rat LD50:175 mg/kg ARZNAD 9,113,59

scu-mus LD50:465 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFO250 CAS: 7432-27-1 HR: 3
5-CHLORO-2-(2-(DIETHYLAMINO)ETHOXY)
BENZANILIDE**mf: C₁₉H₂₃ClN₂O₂ mw: 346.89

SYN: o-DIAETHYLAMINOAEHTHOXY-5-CHLOR-BENZANILID (GERMAN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:480 mg/kg ARZNAD 16,1127,66

scu-mus LD50:720 mg/kg ARZNAD 16,1127,66

ivn-mus LD50:49 mg/kg ARZNAD 16,1127,66

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFO750 CAS: 56287-41-3 HR: 3
5-CHLORO-2-(2-(2-(DIETHYLAMINO)ETHOXY)
ETHYL)-2-METHYL-1,3-BENZODIOXOLE**mf: C₁₆H₂₄ClNO₃ mw: 313.86

SYNS: 2-(2-(5-CHLORO-2-METHYL-1,3-BENZODIOXOL-2-YL)ETHOXY)-N,N-DIETHYLETHANAMINE □ LR-529 □ 2-

METHYL-5-CHLORO-2-(N,N-DIETHYLAMINOETHOXYETHYL)-1,3-BENZODIOXOLE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:18 mg/kg DRFUD4 3,379,78

ipr-mus LD50:111 mg/kg DRFUD4 3,379,78

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFP000 CAS: 102489-49-6 HR: 3
6'-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)
AMINO-o-ACETOTOLUIDIDE
HYDROCHLORIDE**mf: C₁₅H₂₄ClN₃O•ClH mw: 334.33

SYN: C 3173

TOXICITY DATA with REFERENCE:

ipr-rat LD50:305 mg/kg ARZNAD 9,167,59

scu-mus LD50:1010 mg/kg ARZNAD 9,167,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFP250 CAS: 52400-77-8 HR: 3
5-CHLORO-2-(2-(2-(DIETHYLAMINO)ETHYL
AMINO)ETHYL)-2-METHYL-1,3-BENZODIOX-
OLE DIHYDROCHLORIDE**mf: C₁₆H₂₅ClN₂O₂•2ClH mw: 385.80**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:35 mg/kg EJMAC5 12,413,77

ipr-mus LD50:132 mg/kg EJMAC5 12,413,77

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**CFP750 CAS: 43047-59-2 HR: 3
8-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)-2H-
(1)-BENZOTHIOPYRANO(4,3,2-cd)INDAZ-
OLE-5-METHANOL MONOMETHANE
SULFONATE**mf: C₂₀H₂₂ClN₃OS•CH₄O₃S mw: 484.07

SYN: IA-4

TOXICITY DATA with REFERENCE:

mmo-sat 465 nmol/plate JPETAB 200,1,77

mma-sat 465 nmol/plate JPETAB 200,1,77

mmo-nsc 20 μmol/L JTEHD6 1,271,75

bfa-mus/sat 100 mg/kg JPETAB 200,1,77

hma-mus/sat 100 mg/kg JPETAB 200,1,77

ivn-mus LD50:131 mg/kg JPETAB 186,402,73

ims-mus LD50:1560 mg/kg JPETAB 186,402,73

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intramuscular route. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x, Cl⁻, and NO_x. See also SULFONATES.**CFQ000 CAS: 54484-91-2 HR: 2
8-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)-2H-
(1)BENZOTHIOPYRANO(4,3,2-cd)INDAZ-
OLE-5-METHANOL-N-OXIDE**

mf: C₂₀H₂₂ClN₃O₂S mw: 403.96

SYN: 1A-4 N-OXIDE

TOXICITY DATA with REFERENCE:

mmo-sat 492 nmol/plate JPETAB 200,1,77

mma-sat 492 nmol/plate JPETAB 200,1,77

sln-dmg-par 2800 µmol/L MUREAV 82,111,81

bfa-mus/sat 200 mg/kg CNREA8 38,4478,78

hma-mus/sat 100 mg/kg JPETAB 200,1,77

ims-mus LD50:3500 mg/kg JPETAB 200,1,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Moderately toxic by intramuscular route. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.**CFQ250 CAS: 101651-60-9 HR: 3
2'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL)-
ETHYLAMINO)ACETANILIDE DIHYDRO-
CHLORIDE**mf: C₁₆H₂₆ClN₃O•2ClH mw: 384.82

SYN: C 5412

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,262,59

ipr-rat LD50:100 mg/kg ARZNAD 9,262,59

scu-mus LD50:460 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFQ500 CAS: 102489-50-9 HR: 3
6'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL)-
ETHYLAMINO)-o-ACETOTOLUIDIDE
HYDROCHLORIDE**mf: C₁₇H₂₈ClN₃O•ClH mw: 362.39

SYN: C 3253

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,167,59

ipr-rat LD50:55 mg/kg ARZNAD 9,167,59

scu-mus LD50:210 mg/kg ARZNAD 9,167,59

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFQ750 CAS: 102489-51-0 HR: 3
6'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL) ISO
PROPYLAMINO)-o-ACETOTOLUIDIDE
HYDRO CHLORIDE**mf: C₁₈H₃₀ClN₃O•ClH mw: 376.42

SYN: C 5384

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,167,59

ipr-rat LD50:22 mg/kg ARZNAD 9,167,59

scu-mus LD50:60 mg/kg ARZNAD 9,167,59

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFR000 CAS: 55489-49-1 HR: 3****2'-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)-
ETHYLAMINOACETANILIDE DIHYDRO-
CHLORIDE**mf: C₁₅H₂₄ClN₃O•2ClH mw: 370.79

SYN: C 5366

TOXICITY DATA with REFERENCE:

ipr-rat LD50:160 mg/kg ARZNAD 9,262,59

scu-mus LD50:1040 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFR250 CAS: 77791-57-2 HR: 3
4'-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)-
METHYLAMINOACETANILIDE DIHYDRO-
CHLORIDE**mf: C₁₅H₂₄ClN₃O•2ClH mw: 370.79

SYN: C 5400

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,262,59

ipr-rat LD50:166 mg/kg ARZNAD 9,262,59

scu-mus LD50:435 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFR500 CAS: 77984-94-2 HR: 3
3'-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)-
METHYLAMINO-o-ACETOTOLUIDIDE
DIHYDRO CHLORIDE**mf: C₁₆H₂₆ClN₃O•2ClH mw: 384.82

SYN: C 5397

TOXICITY DATA with REFERENCE:

ipr-rat LD50:72 mg/kg ARZNAD 9,262,59

scu-mus LD50:500 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFR750 CAS: 77966-43-9 HR: 3
4'-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)-
METHYLAMINO-o-ACETOTOLUIDIDE
DIHYDRO CHLORIDE**mf: C₁₆H₂₆ClN₃O•2ClH mw: 384.82

SYN: C 5401

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,262,59

ipr-rat LD50:135 mg/kg ARZNAD 9,262,59

scu-mus LD50:350 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CFS000 CAS: 77966-44-0 HR: 3
5'CHLORO2(2(DIETHYLAMINO)ETHYL)METHYL
AMINO-o-ACETOTOLUIDIDE-DIHYDRO-
CHLORIDE**mf: C₁₆H₂₆ClN₃O•2ClH mw: 384.82

SYN: C 5402

TOXICITY DATA with REFERENCE:

ipr-rat LD50:114 mg/kg ARZNAD 9,262,59
 scu-mus LD50:340 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFS250 CAS: 77966-45-1 HR: 3
6'-CHLORO-2-(2-(DIETHYLAMINO)ETHYL)
METHYLAMINO-m-ACETOTOLUIDIDE
DIHYDRO CHLORIDE

mf: $\text{C}_{16}\text{H}_{26}\text{ClN}_3\text{O} \cdot 2\text{ClH}$ mw: 384.82

SYN: C 5398

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,262,59
 ipr-rat LD50:104 mg/kg ARZNAD 9,262,59
 scu-mus LD50:750 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFS500 CAS: 102489-52-1 HR: 3
6'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL)
METHYLAMINO)-o-ACETOTOLUIDIDE
HYDRO CHLORIDE

mf: $\text{C}_{16}\text{H}_{26}\text{ClN}_3\text{O} \cdot \text{ClH}$ mw: 348.36

SYN: C 3249

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,167,59
 ipr-rat LD50:110 mg/kg ARZNAD 9,167,59
 scu-mus LD50:460 mg/kg ARZNAD 9,167,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFS750 CAS: 102489-53-2 HR: 3
6'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL)
OCTYLAMINO)-o-ACETOTOLUIDIDE HYDRO
CHLORIDE

mf: $\text{C}_{23}\text{H}_{40}\text{ClN}_3\text{O} \cdot \text{ClH}$ mw: 446.57

SYN: C 5347

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 9,167,59
 ipr-rat LD50:98 mg/kg ARZNAD 9,167,59
 scu-mus LD50:260 mg/kg ARZNAD 9,167,59

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFT000 CAS: 102489-54-3 HR: 3
6'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL)(2-
PHENOXYETHYL)AMINO)-o-ACETO-
TOLUIDIDE HYDROCHLORIDE

mf: $\text{C}_{23}\text{H}_{32}\text{ClN}_3\text{O}_2 \cdot \text{ClH}$ mw: 454.49

SYN: C 5290

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 9,113,59
 scu-mus LD50:92 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by subcutaneous route. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFT250 CAS: 102489-55-4 HR: 3
6'-CHLORO-2-((2-(DIETHYLAMINO)ETHYL)
PROPYLAMINO)-o-ACETOTOLUIDIDE
HYDRO CHLORIDE

mf: $\text{C}_{18}\text{H}_{30}\text{ClN}_3\text{O} \cdot \text{ClH}$ mw: 376.42

SYN: C 5385

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,167,59
 ipr-rat LD50:28 mg/kg ARZNAD 9,167,59
 scu-mus LD50:74 mg/kg ARZNAD 9,167,59

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFT500 CAS: 101651-61-0 HR: 2
2'-CHLORO-2-(2-(DIETHYLAMINO)ETHYLTHIO)
ACETANILIDE HYDROCHLORIDE

mf: $\text{C}_{14}\text{H}_{21}\text{ClN}_2\text{OS} \cdot \text{ClH}$ mw: 337.34

SYN: C 4920

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,683,59
 ipr-rat LD50:490 mg/kg ARZNAD 9,683,59
 scu-mus LD50:1750 mg/kg ARZNAD 9,683,59

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- , SO_x , and NO_x .

CFT750 CAS: 102489-56-5 HR: 3
6'-CHLORO-2-(2-(DIETHYLAMINO)ETHYLTHIO)-
o-ACETOTOLUIDIDE HYDROCHLORIDE

mf: $\text{C}_{15}\text{H}_{23}\text{ClN}_2\text{OS} \cdot \text{ClH}$ mw: 351.37

SYN: C 4926

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,683,59
 ipr-rat LD50:118 mg/kg ARZNAD 9,683,59
 scu-mus LD50:350 mg/kg ARZNAD 9,683,59

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- , SO_x , and NO_x .

CFU000 CAS: 101651-90-5 HR: 3
7-CHLORO-10-(3-(DIETHYLAMINO)-2-HYDROXY
PROPYL)ISOALLOXAZINE SULFATE

mf: $\text{C}_{17}\text{H}_{20}\text{ClN}_5\text{O}_3 \cdot \text{H}_2\text{O}_4\text{S}$ mw: 475.95

TOXICITY DATA with REFERENCE:

ipr-rat LD50:50 mg/kg CMTRAG 2,96,61
 scu-mus LD50:48 mg/kg CMTRAG 2,96,61
 ivn-mus LD50:132 mg/kg CMTRAG 2,96,61
 ims-mus LD50:54 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, intravenous, and intramuscular routes. When heated to decomposition it emits very toxic fumes of SO_x , NO_x , and Cl^- .

CFU250 CAS: 74816-32-3 HR: 3
4'-CHLORO-2-(DIETHYLAMINO)-N-METHYL
ACETANILIDE HYDROCHLORIDE

mf: $C_{13}H_{19}ClN_2O \cdot ClH$ mw: 291.25

SYN: C 3049

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,609,58

ipr-rat LD50:220 mg/kg ARZNAD 8,609,58

scu-mus LD50:350 mg/kg ARZNAD 8,609,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .

CFU500 CAS: 77966-51-9 HR: 3
6'-CHLORO-2-(DIETHYLAMINO)-N-METHYL- α -
ACETOTOLUIDIDE HYDROCHLORIDE

mf: $C_{14}H_{21}ClN_2O \cdot ClH$ mw: 305.28

SYN: V 316

TOXICITY DATA with REFERENCE:

ipr-rat LD50:136 mg/kg ARZNAD 8,609,58

scu-mus LD50:305 mg/kg ARZNAD 8,609,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFU750 CAS: 69-05-6 HR: 3
6-CHLORO-9-((4-(DIETHYLAMINO)-1-METHYL
BUTYL)AMINO)-2-METHOXYACRIDINE
DIHYDRO CHLORIDE

mf: $C_{23}H_{30}ClN_3O \cdot 2ClH$ mw: 472.93

PROP: Crystals from H_2O . Mp: 248–250°.

SYNS: ACRICHINE □ ARICHIN □ ATABRINE DIHYDRO CHLORIDE □ ATABRINE HYDROCHLORIDE □ CHEMIOCHIN □ CHINACRIN HYDROCHLORIDE □ 2-CHLORO-5-(ω -DIETHYL AMINO- α -METHYLBUTYLAMINO)-7-METHOXY-ACRIDINE DIHYDROCHLORIDE □ 3-CHLORO-9-(4'-DIETHYL-AMINO-1'-METHYLBUTYLAMINO)-7-METHOXYACRIDINE DIHYDRO CHLORIDE □ 3-CHLORO-7-METHOXY-9-(1-METHYL-4-DIETHYL AMINOBUTYLAMINO)ACRIDINE DIHYDRO CHLORIDE □ CRIN ODORA □ DIAL □ ERION □ ITALCHIN □ MALARICIDA □ MECRYL □ MEPACRINE DIHYDROCHLORIDE □ MEPACRINE HYDROCHLORIDE □ METHOQUINE □ 2-METHOXY-6-CHLORO-9-(4-DIETHYL-AMINO-1-METHYLBUTYLAMINO) ACRIDINEDI HYDRO-CHLORIDE □ METOQUINE □ PALACRIN □ PENTILEN □ QUINACRINE DIHYDROCHLORIDE □ QUIN ACRINE HYDROCHLORIDE □ 866 R.P. □ SN 390

TOXICITY DATA with REFERENCE:

mma-sat 1 mg/plate MUREAV 22,295,74

sln-dmg-ori 5 mmol/L MUREAV 158,177,85

ori-man TDLo:34 mg/kg/8D-I SMJOAV 75,359,82

ori-wmn TDLo:18 mg/kg/3D-I SMJOAV 75,359,82

ori-rat LD50:660 mg/kg JPETAB 91,157,47

ivn-rat LD50:29 mg/kg JPETAB 91,157,47

iut-rat LD50:100 mg/kg IJEBAA 1074,78

ori-mus LD50:557 mg/kg JPETAB 91,157,47

ipr-mus LD50:189 mg/kg JPETAB 91,133,47

scu-mus LD50:212 mg/kg ABEMAV 1,317,41

ivn-mus LD50:38 mg/kg JPETAB 91,157,47

ivn-dog LDLo:20 mg/kg JAPMA8 34,20,45

ori-cat LDLo:200 mg/kg AEPPAE 170,328,33

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, subcutaneous, intrauterine, intravenous, and intraperitoneal routes. Human reproductive effects by intrauterine and intracervical routes: changes in fertility and unspecified effects on the uterus, cervix and vagina. Experimental reproductive effects. Mutation data reported. Used as a treatment for parasitic worms. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CFV250 CAS: 63673-37-0 HR: 3
4-CHLORO-2-DIETHYLAMINO-6-(4-METHYL
PIPERAZINO)-5-METHYLTHIOPYRIMIDINE

mf: $C_{14}H_{24}ClN_4S$ mw: 329.94

TOXICITY DATA with REFERENCE:

ori-mus LD50:600 mg/kg JMCMA 18,553,75

ivn-mus LD50:123 mg/kg JMCMA 18,553,75

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and SO_x .

CFW000 CAS: 77966-53-1 HR: 2
2'-CHLORO-2-(DIETHYLAMINO)-5'-TRIFLUORO
METHYLACETANILIDE HYDROCHLORIDE

mf: $C_{13}H_{16}ClF_3N_2O \cdot ClH$ mw: 345.22

SYN: C 3078

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 8,270,58

ipr-rat LD50:590 mg/kg ARZNAD 8,270,58

scu-mus LD50:4250 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by subcutaneous route. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- , F^- , and NO_x .

CFW250 CAS: 77966-52-0 HR: 3
4'-CHLORO-2-(DIETHYLAMINO)-3'-TRIFLUORO
METHYLACETANILIDE HYDROCHLORIDE

mf: $C_{13}H_{16}ClF_3N_2O \cdot ClH$ mw: 345.22

SYN: C 3074

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 8,270,58

ipr-rat LD50:300 mg/kg ARZNAD 8,270,58

scu-mus LD50:1175 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. A severe eye irritant. See also FLUORIDES. When heated to decomposition it emits very toxic fumes of Cl^- , F^- , and NO_x .

CFW625 CAS: 5314-83-0 HR: 3
CHLORODIETHYLBORANE

mf: $C_4H_{10}BCl$ mw: 104.39

PROP: Air and moisture-sensitive liquid. Bp: 25° @ 100 mm.

PROP: Gas. D: 1.49 @ 69°/4°, mp: -146°, bp: -40.8°, fp: -160°, autoign temp: 1170°F. Sltly sol in water.

SYNS: ALGEON 22 □ ALGOFRENE 22 □ ALGOFRENE TYPE 6 □ ARCTON 4 □ ARCTON 22 □ CFC 22 □ CHLORODIFLUORO METHANE □ CHLORODIFLUOROMETHANE (ACGIH,DOT, OSHA) □ DAIFLON 22 □ DIFLUOROCHLOROMETHANE □ DIFLUOROMONOCHELOROMETHANE □ DYMEL 22 □ ELEC TRO-CF 22 □ ESKIMON 22 □ F 22 □ FC 22 □ FLUGENE 22 □ FLUOROCARBON-22 □ FORANE 22 □ FREON □ FREON 22 □ FRIGEN □ FRIGEN 22 □ GENETRON 22 □ HALTRON 22 □ ISCEON 22 □ ISOTRON 22 □ KHALADON 22 □ MONO-CHLORO DIFLUOROMETHANE □ PROPELLANT 22 □ R-22 □ R22 (DOT) □ REFRIGERANT 22 □ UCON 22 □ UCON 22/HALOCARBON 22

TOXICITY DATA with REFERENCE:

mmo-sat 33 pph/24H-C TOLED5 2,1,78
mma-sat 33 pph/24H-C TOLED5 2,1,78
ihl-rat LC50:35 pph/15M HUTODJ 1,239,82
ihl-mus LC50:28 pph/20M TXAPA9 59,64,81
ihl-dog LCLo:70 pph TXAPA9 2,363,60

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,149,87; Human Inadequate Evidence IMEMDT 41,237,86; Animal Limited Evidence IMEMDT 41,237,86. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

OSHA PEL: TWA 1000 ppm

ACGIH TLV: TWA 1000 ppm; Not Classifiable as a Human Carcinogen

DFG MAK: 500 ppm (1800 mg/m³)

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas

SAFETY PROFILE: Mildly toxic by inhalation. Experimental reproductive effects. Mutation data reported. An asphyxiant in high concentrations. At elevated pressures, 50% mixtures with air are combustible although ignition is difficult. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.

CFX625 CAS: 59034-34-3 HR: 3

1-CHLORO-3,3-DIFLUORO-2-METHOXY-CYCLOPROPENE

mf: C₄H₃ClF₂O mw: 140.52



SAFETY PROFILE: Explosive reaction on contact with water or methanol. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

CFY000 CAS: 58-93-5 HR: 3

6-CHLORO-3,4-DIHYDRO-2H-1,2,4-BENZO THIADIAZINE-7-SULFONAMIDE- 1,1-DIOXIDE

mf: C₇H₈ClN₃O₄S₂ mw: 297.75

PROP: A solid. Mp: 273-275°.

SYNS: AQUARILLS □ AQUARIUS □ BREMIL □ 6-CHLORO-3,4-DIHYDRO-7-SULFAMOYL-2H-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE □ 6-CHLORO-7-SULFAMOYL-3,4-DIHYDRO-2H-1,2,4-

BENZOTHIADIAZINE-1,1-DIOXIDE □ CHLOROSULTHIADIL □ CHLORSULFONAMIDO DIHYDROBENZOTHIADIAZINE DIOXIDE □ CHLORZIDE □ CIDREX □ DICHLOROSAL □ DICHLOROTIAZID □ DICHLORTRIDE □ DICLOTTRIDE □ 3,4-DIHYDRO-6-CHLORO-7-SULFAMYL-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE □ DIHYDROCHLOROTHIAZID □ DIHYDROCHLOROTHIAZIDE □ 3,4-DIHYDROCHLOROTHIAZIDE □ DIHYDROXYCHLOROTHIAZIDUM □ DIREMA □ DISALUNIL □ DRENOL □ DYAZIDE □ ESIDREX □ ESIDRIX □ FLUVIN □ HCTZ □ HCZ □ HIDRIL □ HYDROCHLORTIAZID □ HIDRO RONOL □ HIDROTIAZIDA □ HYDRO-AQUIL □ HYDRO CHLORTIAZID □ HYDRODIURETIC □ HYDRO-DIURIL □ HYDROSALURIC □ HYDROTHIDE □ HYPOTHI-AZIDE □ IDROTHIAZIDE □ IVAUGAN □ JEN-DIRIL □ MASCHITT □ MEGADIURIL □ NCI-C55925 □ NEFRIX □ NEO-CODEMA □ NEOFLUMEN □ ORETIC □ PANURIN □ RO-HYDRAZIDE □ SU 5879 □ THIARETIC □ THIURETIC □ THIARETIC □ URODIAZIN □ VETIDREX □ ZIDE

TOXICITY DATA with REFERENCE:

dnd-esc 5 mg/L MUREAV 89,95,81
cyt-ham:lng 500 mg/L/48H GMCRDC 27,95,81
orl-wmn TDLo:2 mg/kg/12H-I:SYS SMJOAV 76,1363,83
orl-wmn TDLo:500 µg/kg:PUL,GIT DICPBB 18,238,84
orl-rat LD50:2750 mg/kg TXAPA9 1,333,59
ipr-rat LD50:234 mg/kg 27ZIAQ -,124,73
scu-rat LD50:1270 mg/kg 27ZIAQ -,124,73
ivn-rat LD50:990 mg/kg JPETAB 140,249,63
orl-mus LD50:1175 mg/kg FRZKAP (1),44,83
ipr-mus LD50:578 mg/kg 27ZIAQ -,77,65
scu-mus LD50:1470 mg/kg 27ZIAQ -,124,73
ivn-mus LD50:590 mg/kg JPETAB 134,273,61
ivn-dog LD50:250 mg/kg 27ZIAQ -,124,73
ivn-rbt LD50:461 mg/kg 27ZIAQ -,124,73

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

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. Human systemic effects by ingestion: sodium level changes, chlorine level changes, acute pulmonary edema, nausea or vomiting. Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. A diuretic. When heated to decomposition it emits very toxic fumes of SO_x, Cl⁻, and NO_x.

CFY250 CAS: 36104-80-0 HR: 2

7-CHLORO-1,3-DIHYDRO-3-(N,N-DIMETHYL CARBAMOYL)-1-METHYL-5-PHENYL-2H-1,4-BENZODIAZEPIN-2-ONE

mf: C₁₉H₁₈ClN₃O₃ mw: 371.85

SYNS: ALBEGO □ B 5333 □ CAMAZEPAM □ 7-CHLORO-1,3-DIHYDRO-3-HYDROXY-1-METHYL-5-PHENYL-1,4-BENZODIAZEPIN-2-ONE DIMETHYLCARBAMATE □ SB 5833

TOXICITY DATA with REFERENCE:

orl-mus LD50:970 mg/kg DRFUD4 1,458,76
ipr-mus LD50:800 mg/kg DRFUD4 1,458,76

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. A tranquilizer. See also CARBAMATES and DIAZEPAM. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CFY500

CAS: 4700-56-5

HR: 3

decomposition it emits very toxic fumes of NO_x and Cl⁻.
See also DIAZEPAM.

CGB000 CAS: 55299-24-6 HR: 2
7-CHLORO-1,3-DIHYDRO-5-PHENYL-1-TRI
METHYLSILYL-2H-1,4-BENZODIAZEPIN-2-
ONE

mf: C₁₈H₁₈ClOSi mw: 313.90

SYNS: ST 720 (FRENCH) □ TRIMETHYL SILYL-1-CHLORO-7-DIHYDRO-1,3-PHENYL-5,2H-BENZODIAZEPINE-1,4-ONE-2 (FRENCH)

TOXICITY DATA with REFERENCE:

orl-mus LD50:1000 mg/kg APFRAD 36,621,78

ipr-mus LD50:600 mg/kg APFRAD 36,621,78

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Cl⁻. See also DIAZEPAM.

CGB100 CAS: 162280-52-6 HR: 3
8-CHLORO-3,4-DIHYDROSPIRO-(NAPHTH-
ALENE-2(1H),4'(5'H)-OXAZOL)-2'-AMINE

mf: C₁₂H₁₃ClN₂O mw: 236.70

SYN: S18616

TOXICITY DATA with REFERENCE:

scu-rat TDLo:0.63 µg/kg JPETAB 292,38,2000

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

CGB250 CAS: 14437-41-3 HR: 2
4'-CHLORO-3,5-DIIODOSALICYLANILIDE
ACETATE

mf: C₁₅H₁₀ClI₂NO₃ mw: 541.51

PROP: Needles from Me₂CO. Mp: 215–216°.

SYNS: ACETOXY-4'-CHLORO-3,5-DIIODOBENZANILIDE □ 2-(ACETYLOXY)-N-(4-CHLOROPHENYL)-3,5-DIIODOBENZ-AMIDE □ C.I. 633 □ CLIOXANIDE □ CN 59,567 □ SYD 230 □ TREMERAD

TOXICITY DATA with REFERENCE:

ipr-mus LD50:720 mg/kg AUVJA2 46,297,70

orl-dom LD50:414 mg/kg AUVJA2 46,297,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Used in treatment against parasitic worms. When heated to decomposition it emits very toxic fumes of Cl⁻, I⁻, and NO_x.

CGB500 CAS: 1779-25-5 HR: 1
CHLORO DIISOBUTYL ALUMINUM

mf: C₈H₁₈AlCl mw: 176.69

SYNS: ALLUMINIO DIISOBUTIL-MONOCOLORURO (ITALIAN) □ BIS(ISOBTYL)ALUMINUM CHLORIDE □ CHLOROBIS(2-METHYLPROPYL)ALUMINUM □ DIISOBUTYLALUMINUM CHLORIDE □ DIISOBUTYLALUMINUM MONOCHLORIDE □ DIISOBUTYLCHLOROALUMINUM

TOXICITY DATA with REFERENCE:

ihl-rat LC50:67 ppm/1H 85JCAE -,1216,86

ihl-mus LDLo:680 g/kg/15M MELAAD 58,290,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 2 mg(Al)/m³

SAFETY PROFILE: Mildly toxic by inhalation. See also ALUMINUM COMPOUNDS and CHLORIDES. Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Cl⁻.

CGB750 CAS: 63869-02-3 HR: 3
CHLORO(DIISOPROPOXYPHOSPHINYL)
MERCURY

mf: C₆H₁₄ClHgO₃P mw: 401.21

PROP: IDLH 10 mg/m³ (as Hg).

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:15,600 µg/kg CBCCT* 8,104,56

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Organomercury): TWA 0.01 mg/m³;

STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of PO_x, Cl⁻, and Hg.

CGC000 CAS: 77966-54-2 HR: 3
6'-CHLORO-2-(DIISOPROPYLAMINO)-o-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₅H₂₃ClN₂O•ClH mw: 319.31

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,407,58

ipr-rat LD50:100 mg/kg ARZNAD 8,407,58

scu-mus LD50:515 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CGC050 CAS: 6358-64-1 HR: 3
4-CHLORO-2,5-DIMETHOXYANILINE

mf: C₈H₁₀ClNO₂ mw: 187.64

SYN: ANILINE, 4-CHLORO-2,5-DIMETHOXY-

TOXICITY DATA with REFERENCE:

orl-brd LD50:100 mg/kg TXAPA9 21,315,1972

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CGC100 CAS: 119-21-1 HR: 3
1-CHLORO-2,4-DIMETHOXY-5-NITROBENZENE

mf: C₈H₈ClNO₄ mw: 217.62

SYN: BENZENE, 5-CHLORO-1-NITRO-2,4-DIMETHOXY-

TOXICITY DATA with REFERENCE:

orl-brd LD50:100 mg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CGC150 CAS: 100784-20-1 HR: 2
**3-CHLORO-5-((((4,6-DIMETHOXY-2-PYRIMIDIN-
 YL)AMINO)CARBONYL) AMINO)SULFON-
 YL)-1-METHYL-1H-PYRAZOLE-4-CARBOXY-
 LIC ACID, METHYL ESTER**

mf: C₁₃H₁₅ClN₆O₇S mw: 434.85

SYNS: MON 12000 □ NC-319 TECHNICAL

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1164 mg/kg NTIS** OTS0533871

orl-brd LD50:>2250 mg/kg NTIS** OTS0533870

ipr-mus LD50:1215 mg/kg NTIS** OTS0540797

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic vapors of SO_x, NO_x, and Cl⁻.

CGC200 CAS: 1585-74-6 HR: 3
N-CHLORODIMETHYLAMINE

mf: C₂H₆ClN mw: 79.53

SAFETY PROFILE: Products of reaction with antimony chlorides (e.g. antimony trichloride and antimony pentachloride) are dangerous heat- and shock-sensitive explosives which may explode at room temperature. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also AMINES.

CGD000 CAS: 77966-55-3 HR: 3
**6'-CHLORO-2-(DIMETHYLAMINO)-o-
 ACETOTOLUIDIDE HYDROCHLORIDE**

mf: C₁₁H₁₅ClN₂O•ClH mw: 263.19

SYN: V 252

TOXICITY DATA with REFERENCE:

ipr-rat LD50:218 mg/kg ARZNAD 8,407,58

ipr-mus LD50:243 mg/kg ARZNAD 8,407,58

scu-mus LD50:600 mg/kg ARZNAD 8,407,58

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

CGD250 CAS: 2491-76-1 HR: 2
p-CHLORO DIMETHYLAMINOAZOBENZENE

mf: C₁₄H₁₄ClN₃ mw: 259.76

SYNS: 4'-CHLORO-4-DIMETHYLAMINOAZOBENZENE □ N,N-DIMETHYL-p-((p-CHLOROPHENYL)AZO)ANILINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:6100 mg/kg/21W-C:NEO JEMEAV 87,139,48

scu-mus LDLo:500 mg/kg OFAJAE 36,195,60

SAFETY PROFILE: Moderately toxic by subcutaneous route. Questionable carcinogen with experimental neoplastigenic data. Experimental teratogenic effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CGD270 CAS: 64037-20-3 HR: 3
5-CHLORO-2-DIMETHYLAMINO BENZOXAZOLE

mf: C₉H₉ClN₂O mw: 196.65

SYN: BENZOXAZOLE, 5-CHLORO-2-DIMETHYLAMINO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg MDCHAG 4(1),339,1964

ipr-mus LD50:280 mg/kg MDCHAG 4(1),337,1964

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

CGD399 HR: 3
β-CHLORODIMETHYLAMINO DIBORANE

mf: C₂H₁₀B₂ClN mw: 105.18

CIHB:H₂:BHN(CH₃)₂

SYN: B-CHLORO-N,N-DIMETHYLAMINODIBORANE

SAFETY PROFILE: Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also BORANES, CHLORIDES, and AMINES.

CGD500 CAS: 3505-38-2 HR: 3
**2-(p-CHLORO-α-(2-(DIMETHYLAMINO)ETHOXY)
 BENZYL)PYRIDINE BIMALATE**

mf: C₁₆H₁₉ClN₂O•C₄H₄O₄ mw: 406.90

SYNS: ALLERGEFON MALEATE □ CARBINOXAMINE

MALEATE □ p-CARBINOXAMINE MALEATE □ 2-(p-CHLORO-α-(2-(DIMETHYLAMINO)ETHOXY)BENZYL)PYRIDINE MALEATE □ 2-((4-CHLOROPHENYL)-2-PYRIDINYLMETHOXY)-N,N-DIMETHYLETHANAMINE-(Z)-2-BUTENEDIOATE (1:1) □ CLISTIN □ CLISTIN MALEATE □ CLISTINE MALEATE

TOXICITY DATA with REFERENCE:

orl-cld TDLo:1880 µg/kg/4D-I:BAH JTCTDW 25,161,87

orl-mus LD50:162 mg/kg CLDND* 15,367,68

scu-mus LD50:350 mg/kg TOIZAG 15,367,68

ivn-mus LD50:32 mg/kg CLDND*

ivn-dog LDLo:36 mg/kg CLDND*

orl-gpg LD50:411 mg/kg CLDND*

scu-gpg LD50:120 mg/kg APFRAD 20,463,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. Human systemic effects by ingestion: distorted perceptions, excitement hallucinations. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CGD750 CAS: 101651-62-1 HR: 3
**2'-CHLORO-2-((2-(DIMETHYLAMINO)ETHYL)-
 ETHYLAMINO)ACETANILIDE DIHYDRO-
 CHLORIDE**

mf: C₁₄H₂₂ClN₃O•2ClH mw: 356.76

SYN: C 5417

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,262,59

ipr-rat LD50:148 mg/kg ARZNAD 9,262,59

scu-mus LD50:575 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CGE000 CAS: 101651-94-9 HR: 3
7-CHLORO-10-(2-(DIMETHYLAMINO)ETHYL)
ISOALLOXAZINE SULFATE

mf: $C_{14}H_{14}ClN_5O_2 \cdot H_2O_4S$ mw: 417.86

TOXICITY DATA with REFERENCE:

orl-mus LD50:1900 mg/kg CMTRAG 2,96,61

scu-mus LD50:38 mg/kg CMTRAG 2,96,61

ivn-mus LD50:60 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion. See also SULFATES. When heated to decomposition it emits very toxic fumes of SO_x , Cl^- , and NO_x .

CGE250 CAS: 95770-03-9 HR: 2
2'-CHLORO-2-(2-(DIMETHYLAMINO)ETHYL-
THIO) ACETANILIDE HYDROCHLORIDE

mf: $C_{12}H_{17}ClN_2OS \cdot ClH$ mw: 309.28

SYN: C 5501

TOXICITY DATA with REFERENCE:

eye-rbt 2% MOD ARZNAD 9,683,59

ipr-rat LD50:750 mg/kg ARZNAD 9,683,59

scu-mus LD50:1400 mg/kg ARZNAD 9,683,59

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and SO_x .

CGE500 CAS: 100620-36-8 HR: 3
6'-CHLORO-2-(2-(DIMETHYLAMINO)ETHYL
THIO)-o-ACETOTOLUIDIDE

mf: $C_{13}H_{19}ClN_2OS$ mw: 286.85

SYN: C 5458

TOXICITY DATA with REFERENCE:

ipr-rat LD50:140 mg/kg ARZNAD 9,683,59

scu-mus LD50:460 mg/kg ARZNAD 9,683,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of SO_x , NO_x , and Cl^- .

CGE750 CAS: 77966-56-4 HR: 3
6'-CHLORO-2-(DIMETHYLAMINO)-N-METHYL-o-
ACETOTOLUIDIDE HYDROCHLORIDE

mf: $C_{12}H_{17}ClN_2O \cdot ClH$ mw: 277.22

SYN: C 3133

TOXICITY DATA with REFERENCE:

ipr-rat LD50:390 mg/kg ARZNAD 8,609,58

scu-mus LD50:445 mg/kg ARZNAD 8,609,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CGF000 CAS: 19986-35-7 HR: 3
5-CHLORO-3-(DIMETHYLAMINOMETHYL)-2-
BENZOXAZOLINONE

mf: $C_{10}H_{11}ClN_2O_2$ mw: 226.68

TOXICITY DATA with REFERENCE:

orl-mus LD50:1500 mg/kg MDCHAG 4(1),308,64

ipr-mus LD50:400 mg/kg MDCHAG 4(1),308,64

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

CGF250 CAS: 101651-96-1 HR: 3
7-CHLORO-10-(4-(DIMETHYLAMINO)-1-METHYL
BUTYL)ISOALLOXAZINE SULFATE

mf: $C_{19}H_{24}ClN_5O_2 \cdot H_2O_4S$ mw: 488.01

TOXICITY DATA with REFERENCE:

ipr-rat LD50:55 mg/kg CMTRAG 2,96,61

scu-mus LD50:120 mg/kg CMTRAG 2,96,61

ivn-mus LD50:28 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. See also SULFATES. When heated to decomposition it emits very toxic fumes of SO_x , NO_x and Cl^- .

CGF500 CAS: 78218-37-8 HR: 3
6'-CHLORO-3-(DIMETHYLAMINO)-o-PROPIO
NOTOLUIDIDE HYDROCHLORIDE

mf: $C_{12}H_{17}ClN_2O \cdot ClH$ mw: 277.22

TOXICITY DATA with REFERENCE:

ipr-rat LD50:114 mg/kg ARZNAD 8,544,58

ipr-mus LD50:175 mg/kg ARZNAD 8,544,58

scu-mus LD50:445 mg/kg ARZNAD 8,544,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .

CGG500 CAS: 28907-45-1 HR: 3
7-CHLORO-10-(3-DIMETHYLAMINOPROPYL)-
BENZO-(b)(1,8)-5(10H)-NAPHTHAPYRIDONE
HYDROCHLORIDE

mf: $C_{17}H_{18}ClN_3O \cdot ClH$ mw: 352.29

SYNS: C 45 □ C 45 (pharmaceutical) □ CHLOROWODORKU 10-γ-DWUMETYLOAMINOPROPYLO-7-CHLOROBENZO(b)-(1,8)-NAPTYRYDONU-5 (POLISH) □ IFC-45

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg PJPPAA 27,503,75

ipr-rat LD50:105 mg/kg PJPPAA 27,503,75

ivn-rat LD50:33 mg/kg DRFUD4 3,303,78

orl-mus LD50:200 mg/kg DRFUD4 3,303,78

ipr-mus LD50:106 mg/kg PJPPAA 27,503,75

ivn-mus LD50:33 mg/kg DRFUD4 3,303,78

ivn-rbt LD50:12 mg/kg PJPPAA 27,503,75

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

CGG600 CAS: 14051-55-9 HR: 3
3-CHLORO-5-(3-(DIMETHYLAMINO)PROPYL)-
10,11-DIHYDRO-5H-DIBENZ(b,f)AZEPINE
HYDROCHLORIDE

mf: $C_{10}H_{23}ClN_2 \cdot ClH$ mw: 351.35

TOXICITY DATA with REFERENCE:

orl-rat LD50:1150 mg/kg IYKEDH 4,193,73

ipr-rat LD50:135 mg/kg IYKEDH 4,193,73

scu-rat LD50:1750 mg/kg IYKEDH 4,193,73

ivn-rat LD50:26 mg/kg IYKEDH 4,193,73

orl-mus LD50:470 mg/kg IYKEDH 4,193,73

ipr-mus LD50:90 mg/kg IYKEDH 4,193,73
 scu-mus LD50:400 mg/kg IYKEDH 4,193,73
 ivn-mus LD50:26 mg/kg IYKEDH 4,193,73

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

CGG750 CAS: 101651-97-2 HR: 3
7-CHLORO-10-(3-(DIMETHYLAMINO)PROPYL)
ISOALLOXAZINE HYDROCHLORIDE

mf: C₁₅H₁₆ClN₅O₂•ClH mw: 370.27

TOXICITY DATA with REFERENCE:

orl-mus LD50:1250 mg/kg CMTRAG 2,96,61
 ipr-mus LD50:70 mg/kg CMTRAG 2,96,61
 scu-mus LD50:24 mg/kg CMTRAG 2,96,61
 ivn-mus LD50:60 mg/kg CMTRAG 2,96,61

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

CGH250 CAS: 63019-52-3 HR: 2
9-CHLORO-8,12-DIMETHYLBENZ(a)ACRIDINE

mf: C₁₉H₁₄ClN mw: 291.79

SYNS: 2-CHLORO-1,10-DIMETHYL-5,6-BENZACRIDINE (FRENCH) □ 1,10-DIMETHYL-2-CHLORO-5,6-BENZACRIDINE □ 8,12-DIMETHYL-9-CHLOROBENZ(a)ACRIDINE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data by skin contact. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.

CGH500 CAS: 64050-23-3 HR: 2
10-CHLORO-6,9-DIMETHYL-5,10-DIHYDRO-3,4-BENZOPHENARSAZINE

mf: C₁₈H₁₅AsClN mw: 355.71

SYN: 12-CHLORO-7,12-DIHYDRO-8,11-DIMETHYLBENZO(a)-PHENARSAZINE

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data by skin contact. When heated to decomposition it emits very toxic fumes of As, Cl⁻, and NO_x. See also ARSENIC COMPOUNDS.

CGH675 CAS: 10140-91-7 HR: 3
p-CHLORO-5,10-DIMETHYL-2,4-DIOXA-p-
THIONO-3-PHOSPHABICYCLO(4.4.0)-
DECANE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
 orl-rat LD50:110 mg/kg AIHAAP 23,95,62
 skn-rbt LD50:200 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion and skin contact. When heated to decomposition it emits toxic fumes of Cl⁻, PO_x, and SO_x.

CGH750 CAS: 119168-77-3 HR: 2

4-CHLORO-N-((4-(1,1-DIMETHYLETHYL)-
PHENYL)METHYL)-3-ETHYL-1-METHYL-1H-
PYRAZOLE-5-CARBOXAMIDE

mf: C₁₈H₂₄ClN₃O mw: 333.90

SYNS: AC 801757 □ N-(4-T-BUTYLBENZYL)-4-CHLORO-3-ETHYL-1-METHYLPYRAZOLE-5-CARBOXAMIDE □ MK 239 □ PYRANICA □ 1H-PYRAZOLE-5-CARBOXAMIDE, 4-CHLORO-N-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL)-3-ETHYL-1-METHYL- □ TEBUFENPYRAD

TOXICITY DATA with REFERENCE:

orl-rat LD50:595 mg/kg AGRIJA (64),12,94
 ihl-rat LC50:2660 mg/m³ AGRIJA (64),12,94
 skn-rat LD50:>2 g/kg AGRIJA (64),12,94

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

CGH800 CAS: 29023-82-3 HR: 3
2-CHLORO-9-(2,2-DIMETHYLHYDRAZINO)
ACRIDINE

mf: C₁₅H₁₄ClN₃ mw: 271.77

SYN: ACRIDINE, 2-CHLORO-9-(2,2-DIMETHYLHYDRAZINO)-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 mg/kg USXXAM #3712943

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

CGH810 CAS: 5810-11-7 HR: 3
2-CHLORO-N,N-DIMETHYL-3-OXOBUTAN-
AMIDE

mf: C₆H₁₀ClNO₂ mw: 163.62

SYNS: BUTANAMIDE, 2-CHLORO-N,N-DIMETHYL-3-OXO- □ DIMETHYLCHLOROACETOACETAMIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H SEV NTIS** OTS0534955
 eye-rbt 100 µL/24H SEV NTIS** OTS0534955
 orl-rat LD50:500 mg/kg NTIS** OTS0534955
 skn-rat LDLo:250 mg/kg NTIS** OTS0534955

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

CGH820 CAS: 206439-03-4 HR: D
2-CHLORO-N-(2,6-DIMETHYL-4-OXO-2,5-
CYCLO HEXADIEN-1-YLIDENE)ACETAMIDE

mf: C₁₀H₁₀ClNO₂ mw: 211.66

SYNS: ACETAMIDE, 2-CHLORO-N-(2,6-DIMETHYL-4-OXO-2,5-CYCLOHEXADIEN-1-YLIDENE)- □ 2,6-DIMETHYLCHLOROACETYLQUINONEIMINE

TOXICITY DATA with REFERENCE:

sce-hmn-lym 300 nmol/L MUREAV 395,159,1997

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

CGI125 CAS: 26096-99-1 HR: 3
N-(p-CHLORO-α,α-DIMETHYLPHENETHYL)-2-
(DIETHLAMINO)PROPIONAMIDE HYDRO-
CHLORIDE

mf: C₁₇H₂₇ClN₂O•ClH mw: 347.37**SYN:** N-(2-(4-CHLOROPHENYL)-1,1-DIMETHYLETHYL)-2-(DIETHYLAMINO)-PROPANAMIDE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:690 mg/kg APSXAS 15,87,78

ipr-mus LD50:220 mg/kg APSXAS 15,87,78

ivn-mus LD50:35 mg/kg APSXAS 15,87,78

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.**CGI200 CAS: 17493-73-1 HR: 2**
2-CHLORO-N-(2,6-DIMETHYL)PHENYL-N-ISOPROPOXYMETHYLACETAMIDEmf: C₁₄H₂₀ClNO₂ mw: 269.80**SYNS:** ACETAMIDE, 2-CHLORO-N-(2,6-DIMETHYLPHENYL)-N-((1-METHYLETHOXY)METHYL)- (9CI) □ ACETAMIDE, 2-CHLORO-N-(ISOPROPOXYMETHYL)-N-(2,6-XYLYL)- □ 2,6'-ACETOXYLIDIDE, 2-CHLORO-N-(ISOPROPOXYMETHYL)-(8CI) □ 2-CHLORO-N-(ISOPROPOXYMETHYL)-2,6'-ACETOXYLIDIDE □ CP 52665**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1775 mg/kg EKMAA8 13,123,74

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CGI500 CAS: 671-04-5 HR: 3**
2-CHLORO-4,5-DIMETHYLPHENYLMETHYL-CARBAMATEmf: C₁₀H₁₂ClNO₂ mw: 213.68**SYNS:** BANOL □ BANOL TUCO SOK □ CARBANOLATE □ 2-CHLORO-4,5-DIMETHYLPHENOL, METHYL CARBAMATE □ (2-CHLORO-4,5-DIMETHYL)PHENYL ESTER, CARBAMIC ACID □ CHLOROXYLAM □ 6-CHLORO-3,4-XYLENYL N-METHYL CARBAMATE □ 2-CHLORO-4,5-XYLYL ESTER, CARBAMIC ACID □ 6-CHLORO-3,4-XYLYL N-METHYLCARBAMATE □ OMS-174 □ U 12927 □ U-17004 □ UPJOHN U-12,927**TOXICITY DATA with REFERENCE:**

orl-rat LD50:30 mg/kg WRPCA2 9,119,70

ipr-rat LD50:11,200 µg/kg BWHOA6 44(1-3),241,71

ivn-rat LD50:3 mg/kg BJIMAG 22,317,65

ims-rat LD50:24 mg/kg BJIMAG 22,317,65

unk-rat LD50:293 mg/kg 30ZDA9 -,190,71

orl-mus LD50:300 mg/kg ARSIM* 20,26,66

orl-pgn LD50:4200 µg/kg TXAPA9 21,315,72

orl-qal LD50:7500 µg/kg ASTTA8 (680),157,79

orl-dck LD50:2400 µg/kg TXAPA9 21,315,72

orl-bwd LD50:1780 µg/kg ASTTA8 (680),157,79

CONSENSUS REPORTS: Chlorophenol compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, intravenous, intramuscular, and possibly other routes. See also CARBAMATES; CHLOROPHENOLS; and ESTERS. A pesticide. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CGI550 CAS: 58810-48-3 HR: 2**
2-CHLORO-N-(2,6-DIMETHYLPHENYL)-N-**(TETRA-HYDRO-2-OXO-3-FURANYL)-ACETAMIDE**mf: C₁₄H₁₆ClNO₃ mw: 281.76**SYNS:** ACETAMIDE, 2-CHLORO-N-(2,6-DIMETHYLPHENYL)-N-(TETRAHYDRO-2-OXO-3-FURANYL)- □ ACETANILIDE, 2-CHLORO-2',6'-DIMETHYL-N-(2-OXOTETRAHYDRO-3-FURYL)- □ CHEVRON 20615 □ 2-CHLORO-2',6'-DIMETHYL-N-(2-OXOTETRAHYDRO-3-FURYL)ACETANILIDE □ MILFURAM □ OFURACE □ ORTHO 20615 □ RE 20615**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2600 mg/kg FMCHA2 -,C223,91

skn-rbt LD50:5 g/kg DOVEAA 35,343,81

SAFETY PROFILE: Moderately toxic by ingestion. Low toxicity by skin contact. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CGI625 CAS: 811-62-1 HR: 3**
CHLORODIMETHYLPHOSPHINEmf: C₂H₆ClP mw: 96.50**PROP:** Pale-yellow liquid. D: 1.23 @ 25°/4°, mp: -2°, bp: 73-74° @ 749 mm.**SAFETY PROFILE:** Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Cl⁻ and PO_x. See also PHOSPHINE.**CGI750 CAS: 77966-93-9 HR: 3**
6'-CHLORO-2-(2,6-DIMETHYLPIPERIDINO)-o-ACETOTOLUIDIDE HYDROCHLORIDEmf: C₁₆H₂₃ClN₂O•ClH mw: 331.32**SYN:** V 375**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 8,407,58

ipr-rat LD50:72 mg/kg ARZNAD 8,407,58

ipr-mus LD50:77 mg/kg ARZNAD 8,407,58

scu-mus LD50:180 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CGJ000 CAS: 102504-64-3 HR: 3**
6'-CHLORO-3-(2,6-DIMETHYLPIPERIDINO)-o-PROPIONOTOLUIDIDE HYDROCHLORIDEmf: C₁₆H₂₅ClN₂O•ClH mw: 333.34**SYN:** C 3140**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 8,544,58

ipr-rat LD50:33 mg/kg ARZNAD 8,544,58

scu-mus LD50:25 mg/kg ARZNAD 8,544,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CGJ250 CAS: 24358-29-0 HR: 2**
2-CHLORO-5-(3,5-DIMETHYLPIPERIDINO-SULPHONYL)BENZOIC ACIDmf: C₁₄H₁₈ClNO₄S mw: 331.84**SYN:** TIBRIC ACID**TOXICITY DATA with REFERENCE:**

dni-mus:oth 500 µmol/L CNREA8 40,36,80

orl-rat TDLo:39 g/kg/71W-C:CAR NATUAS 283,397,80

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.

CGJ280 CAS: 17256-39-2 HR: 3
1-CHLORO-N,N-DIMETHYL-2-PROPANAMINE HYDROCHLORIDE

mf: C₅H₁₂ClN•ClH mw: 158.09

SYNS: (β-CHLOROISOPROPYL)DIMETHYLAMINE HYDROCHLORIDE □ ETHYLAMINE, 2-CHLORO-N,N-TRIMETHYL-, HYDROCHLORIDE □ 2-PROPANAMINE, 1-CHLORO-N,N-DIMETHYL-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV NTIS** OTS0539231

orl-rat LD50:166 mg/kg NTIS** OTS0539231

skn-rbt LD50:3536 mg/kg NTIS** OTS0539231

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

CGJ290 CAS: 108-14-5 HR: D
2-CHLORO-N,N-DIMETHYL PROPYLAMINE

mf: C₅H₁₂ClN mw: 121.63

SYNS: β-DIMETHYLAMINOISOPROPYL CHLORIDE □ N,N-DIMETHYL-2-CHLOROPROPYLAMINE □ PROPYLAMINE, 2-CHLORO-N,N-DIMETHYL- □ 1-PROPANAMINE, 2-CHLORO-N,N-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-esc 1 μmol/L JPPMAB 31,67P,1979

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

CGJ300 CAS: 5407-04-5 HR: D
3-CHLORO-N,N-DIMETHYL-1-PROPYLAMINE HYDROCHLORIDE

mf: C₅H₁₂ClN•ClH mw: 158.09

SYNS: DIMETHYLAMINOPROPYL CHLORIDE, HYDROCHLORIDE □ 1-PROPYLAMINE, 3-CHLORO-N,N-DIMETHYL-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mic-sat 10 mg/L ENMUDM 3,33,1981

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CGK500 CAS: 63020-91-7 HR: 2
2'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE

mf: C₁₆H₁₆ClN mw: 257.78

SYNS: 2'-CHLORO-4-DIMETHYLAMINOSTILBENE □ 2'-CHLORO-4-STILBENYL-N,N-DIMETHYLAMINE

TOXICITY DATA with REFERENCE:

ipr-rat TDLo:300 mg/kg/8W-I:CAR BJCAAI 10,123,56

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

CGK750 CAS: 63040-27-7 HR: 2
3'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE

mf: C₁₆H₁₆ClN mw: 257.78

SYNS: 3'-CHLORO-N,N-DIMETHYLAMINOSTIBEN (GERMAN) □ 3'-CHLORO-4-DIMETHYLAMINOSTILBENE □ 3'-CHLORO-4-STILBENYL-N,N-DIMETHYLAMINE

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

CGL000 CAS: 7378-50-9 HR: 2
4'-CHLORO-N,N-DIMETHYL-4-STILBENAMINE

mf: C₁₆H₁₆ClN mw: 257.78

SYNS: 4'-CHLORO-N,N-DIMETHYLAMINOSTIBEN (GERMAN) □ 4'-CHLORO-4-DIMETHYLAMINOSTILBENE □ 4'-CHLORO-4-STILBENYL-N,N-DIMETHYLAMINE

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

CGL125 CAS: 72040-09-6 HR: 3
N-CHLORO-4,5-DIMETHYLTRIAZOLE

mf: C₄H₆ClN₃ mw: 131.56



SAFETY PROFILE: The solid triazole and its concentrated solutions are unstable and may decompose violently at room temperature. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

CGL250 CAS: 7287-36-7 HR: 2
4'-CHLORO-2,2-DIMETHYLVALERANILIDE

mf: C₁₃H₁₈ClNO mw: 239.77

PROP: Crystals. Mp: 87–88°.

SYNS: N-(4-CHLOROPHENYL)-2,2-DIMETHYLPENTANAMIDE □ N-(4-CHLOROPHENYL)-2,2-DIMETHYLVALEROAMIDE □ N-(4-CHLOROPHENYL)-2,2-DIMETHYLPENTAMID (GERMAN) □ N-(4-CHLOR-PHENYL)-2,2-DIMETHYL-VALERIANSAEUREAMID (GERMAN) □ D-90-A □ MONALIDE □ POTABLAN □ SCHERING-35830 □ SN 35830

TOXICITY DATA with REFERENCE:

orl-rat LD50:2600 mg/kg 85ARAE 2,220,77

skn-rat LD50:>800 mg/kg PEMNDP 9,596,91

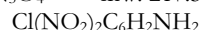
skn-rbt LD50:800 mg/kg 85JFAN A283,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A pesticide. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CGL325 CAS: 3531-19-9 HR: 3
2-CHLORO-4,6-DINITROANILINE

mf: C₆H₄ClN₃O₄ mw: 217.57



PROP: Yellow crystals from DMF (aq). Mp: 157°.

SYNS: BENZENAMINE, 2-CHLORO-4,6-DINITRO- □ 6-CHLORO-2,4-DINITROANILINE

TOXICITY DATA with REFERENCE:

mno-sat 500 μg/plate SAIGBL 29,34,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. An explosive sensitive to heat or an initiating charge. Solution in nitrosylsulfuric acid explodes between 50-160°C depending on the concentration. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also EXPLOSIVES and ANILINE DYES.

CGL500 CAS: 5388-62-5 HR: 3

4-CHLORO-2,6-DINITROANILINE

mf: $\text{C}_6\text{H}_4\text{ClN}_2\text{O}_4$ mw: 217.57

$\text{Cl}(\text{O}_2\text{N})_2\text{C}_6\text{H}_2\text{NH}_2$

PROP: Orange-yellow cryst from EtOH. Mp: 146°.

SYN: 2,6-DINITRO-4-CHLOROANILINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg TSCAT* OTS 206512

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by ingestion. Solution in nitrosylsulfuric acid may explode when heated. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also 2-CHLORO-4,6-DINITROANILINE; ANILINE; and ANILINE DYES.

CGL750 CAS: 25567-67-3 HR: 3

CHLORODINITROBENZENE

DOT: UN 1577

mf: $\text{C}_6\text{H}_3\text{ClN}_2\text{O}_4$ mw: 202.56

SYNS: CHLORODINITROBENZENE (mixed isomers) (DOT) □ DINITROCHLOROBENZENE □ DINITROCHLOROBENZENE (DOT)

TOXICITY DATA with REFERENCE:

dnd-mus-ipr 60 mg/kg BSIBAC 56,1680,80

orl-rat LD50:300 mg/kg 85GMAT -,61,82

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: A poison by ingestion. Mutation data reported. Potentially explosive. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also other chloro-dinitrobenzenes.

CGM000 CAS: 97-00-7 HR: 3

1-CHLORO-2,4-DINITROBENZENE

mf: $\text{C}_6\text{H}_3\text{ClN}_2\text{O}_4$ mw: 202.56

PROP: Yellow rhombic crystals from Et_2O ; insol in water. Mp(α): 51°, mp(β): 43°, mp(γ): 27°, bp: 315° (sltly decomp), lel: 2.0%, uel: 22%, flash p: 382°F (CC), d(α): 1.687 @ 22°, d(β): 1.680 @ 20°/4°, vap d: 6.98.

SYNS: 1-CHLOOR-2,4-DINITROBENZEN (DUTCH) □ 1-CHLOR-2,4-DINITROBENZENE □ 4-CHLORO-1,3-DINITROBENZENE □ 6-CHLORO-1,3-DINITROBENZENE □ 1-CHLORO-2,4-DINITROBENZOL (GERMAN) □ 1-CLORO-2,4-DINITROBENZENE (ITALIAN) □ 2,4-DINITROCHLOROBENZENE □ 1,3-DINITRO-4-CHLOROBENZENE □ 2,4-DINITRO-1-CHLORO BENZENE □ DINITROCHLOROBENZOL □ DNCB

TOXICITY DATA with REFERENCE:

skn-hmn 30 µg CODEDG 2,247,76

skn-rbt 100 µg/24H open AIHAAP 23,95,62

skn-rbt 2 mg/24H SEV 85JCAE -,600,86

eye-rbt 50 µg/24H SEV 85JCAE -,600,86

mno-sat 3 µg/plate ARDEAC 121,348,85

mma-sat 50 µg/plate ADREDL 266,315,79

dnd-mus-ipr 30 mg/kg MUREAV 116,239,83

otr-ham:kdy 10 mg/L ARTODN 45,307,80

orl-rat LD50:780 mg/kg GTPZAB 32(2),48,88

ipr-rat LD50:280 mg/kg AGGHAR 17,217,59

skn-rbt LD50:130 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by skin contact and intraperitoneal routes. Moderately toxic by ingestion. A severe human skin and eye irritant. Acts as a primary irritant as well as a sensitizer of skin. An allergen. Mutation data reported. Combustible when exposed to heat or flame. A moderate explosion hazard when exposed to flame, sparks, heated to 150°, or when shocked in a sealed container. Explosive reaction with ammonia at 170°C/40 bar. To fight fire, use CO_2 , dry chemical. Reacts violently with hydrazine sulfate or hydrazine hydrate. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CGM199 HR: 3

4-CHLORO-2,5-DINITROBENZENE DIAZONIUM-6-OXIDE

mf: $\text{C}_6\text{HClN}_4\text{O}_5$ mw: 244.55

SAFETY PROFILE: A very shock-sensitive explosive solid. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CGM200 CAS: 392-95-0 HR: 2

2-CHLORO-1,5-DINITRO-3-(TRIFLUOROMETHYL)BENZENE

mf: $\text{C}_7\text{H}_2\text{ClF}_3\text{N}_2\text{O}_4$ mw: 270.56

SYN: BENZENE, 2-CHLORO-1,5-DINITRO-3-(TRIFLUOROMETHYL)-

TOXICITY DATA with REFERENCE:

skn-rbt 325 µg/48H SEV NTIS** OTS0545108

eye-rbt 51 mg SEV NTIS** OTS0545107

ihl-rat LCLo:700 mg/m³/1H NTIS** OTS0545111

SAFETY PROFILE: Low toxicity by inhalation. A severe skin and eye irritant. When heated to decomposition it emits toxic vapors of NO_x , F^- , and Cl^- .

CGM225 CAS: 393-75-9 HR: 2

4-CHLORO-3,5-DINITRO- α - α - α -TRIFLUOROTOLUENE

mf: $\text{C}_7\text{H}_2\text{ClF}_3\text{N}_2\text{O}_4$ mw: 270.56

SYNS: BENZENE, 2-CHLORO-1,3-DINITRO-5-(TRIFLUOROMETHYL)- □ BENZOTRIFLUORIDE, 4-CHLORO-3,5-DINITRO- □ 4-CHLORO-3,5-DINITROBENZOTRIFLUORIDE □ 3,5-DINITRO-4-CHLORO- α - α - α -TRIFLUOROTOLUENE □ TOLUENE, 4-CHLORO-3,5-DINITRO- α - α - α -TRIFLUORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:930 mg/kg AISSAW 19,351,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CGM375 CAS: 63886-82-8 HR: 3
p-CHLORO-2,4-DIOXA-5-ETHYL-p-THIONO-3-

PHOSPHABICYCLO(4.4.0)DECANE**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62

orl-rat LD50:140 mg/kg AIHAAP 23,95,62

skn-rbt LD50:400 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion and skin contact. A skin irritant. When heated to decomposition it emits toxic fumes of Cl⁻, PO_x, and SO_x.**CGM400 CAS: 2921-31-5 HR: 3
p-CHLORO-2,4-DIOXA-5-METHYL-p-THONO-3-
PHOSPHABICYCLO(4.4.0)DECANE**mf: C₈H₁₄ClO₂PS mw: 240.70**SYNS:** ENT 23,970 □ UC 8305 □ UNION CARBIDE UC-8305**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62

orl-rat LD50:120 mg/kg ARSIM* 20,25,66

skn-rbt LD50:360 mg/kg AIHAAP 23,95,62

orl-ckn LD50:26 mg/kg TXAPA9 11,49,67

SAFETY PROFILE: Poison by ingestion and skin contact. A skin irritant. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and PO_x.**CGM450 CAS: 3367-31-5 HR: 2
CHLORO((3-(2,4-DIOXO-5-IMIDAZOLIDINYL)-2-
METHOXY)PROPYL) MERCURY**mf: C₇H₁₁ClHgN₂O₃ mw: 407.24**PROP:** IDLH 10 mg/m³ (as Hg).**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3320 mg/kg JNPCAS 5,168,62

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x, Hg, and Cl⁻.**CGM500 CAS: 3861-99-2 HR: 2
6-CHLORO-1,3-DIOXO-5-ISOINDOLINE
SULFONAMIDE**mf: C₈H₅ClN₂O₄S mw: 260.66**SYNS:** 4-CHLORO-5-SULPHAMOYLPHthalimide □ 1H-ISOINDOLE-5-SULFONAMIDE, 6-CHLORO-2,3-DIHYDRO-1,3-DIOXO- □ 5-ISOINDOLINESULFONAMIDE, 6-CHLORO-1,3-DIOXO-**TOXICITY DATA with REFERENCE:**

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

SAFETY PROFILE: A severe eye and mild skin irritant. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Cl⁻.**CGM550 CAS: 27323-18-8 HR: 2
CHLORODIPHENYL**mf: C₁₂H₉Cl mw: 188.66**SYNS:** BIPHENYL, CHLORO- □ 1,1'-BIPHENYL, CHLORO- □ CHLOROBIPHENYL □ CHLORODWUFENOL □ DIPHENYLCHLORIDE □ MONOCHLOROBIPHENYL**TOXICITY DATA with REFERENCE:**

pic-esc 100 mmol/L MDMAZ 31,11,79

dnd-rat:lv 300 µmol/L MUREAV 113,357,83

unr-rat LD50:2450 mg/kg GISAAA 53(5),6,88

SAFETY PROFILE: Moderately toxic by an unspecified route. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: 1994: polychlorobiphenyls, 5503; in serum, 8004.**CGM750 CAS: 2051-60-7 HR: 2
2-CHLORODIPHENYL**mf: C₁₂H₉Cl mw: 188.66**PROP:** Crystals. Mp: 33.5°, bp: 273–274°.**SYNS:** 2-CHLORO-1,1'-BIPHENYL □ o-CHLORODIPHENYL**TOXICITY DATA with REFERENCE:**

orl-mam LDLo:2500 mg/kg JIDHAN 13,87,31

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl⁻.**CGM770 CAS: 2051-61-8 HR: 2
3-CHLORODIPHENYL**mf: C₁₂H₉Cl mw: 188.66**SYNS:** BIPHENYL, 3-CHLORO- □ 1,1'-BIPHENYL, 3-CHLORO- □ m-CHLOROBIPHENYL □ 3-CHLOROBIPHENYL □ 3-MONOCHLOROBIPHENYL**TOXICITY DATA with REFERENCE:**

ipr-rat TDLo:150 mg/kg/3D-I TXAPA9 33,94,75

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of Cl⁻.**CGM780 CAS: 2051-62-9 HR: 2
4-CHLORODIPHENYL**mf: C₁₂H₉Cl mw: 188.66**SYNS:** BIPHENYL, 4-CHLORO- □ 4-CHLOROBIPHENYL □ 4-CHLORO-1,1'-BIPHENYL □ p-CHLORODIPHENYL**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate RCOCB8 15,563,76

orl-uns LDLo:3500 mg/kg JIDHAN 13,87,31

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**CGN000 CAS: 712-48-1 HR: 3
CHLORODIPHENYLARSINE****DOT:** UN 1699mf: C₁₂H₁₀AsCl mw: 264.59**PROP:** Colorless crystals when pure, technical product is dark-brown liquid. Mp: 44°, bp: 333° (decomp), d: 1.333 @ 40° (solid), 1.358 @ 45° (liquid), vap press: 0.00049 mm @ 20°, vap d: 9.15. Insol in H₂O; sol in org solvs.**SYNS:** BLUE CROSS □ CLARK I □ DA □ DIPHENYLARSINOUS CHLORIDE □

CGQ250 CAS: 40713-31-3 HR: 3
2-CHLOROETHYLAMINOETHYL DEHYDRO
ABIETATE HYDROCHLORIDEmf: $C_{24}H_{36}ClNO_2 \cdot ClH$ mw: 442.52**SYN:** DEHYDRO-ABIETIC ACID-2-(2-(CHLOROETHYL)AMINO)ETHYL ESTER**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:400 mg/kg PCJOAU 6,647,72

ipr-mus LD50:400 mg/kg PCJOAU 6,647,72

SAFETY PROFILE: Poison by intraperitoneal route.See also ESTERS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CGQ280 CAS: 56538-00-2 HR: 3**
N-(2-CHLOROETHYL)AMINOMETHYL-4-
HYDROXYNITROBENZENEmf: $C_9H_{11}ClN_2O_3$ mw: 230.67**SYNS:** 2-(((2-CHLOROETHYL)AMINO)METHYL)-4-NITROPHENOL □ PHENOL, 2-(((2-CHLOROETHYL)AMINO)METHYL)-4-NITRO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:25 mg/kg IJMRAQ 66,987,77

SAFETY PROFILE: Poison by ingestion.Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .**CGQ400 CAS: 56538-01-3 HR: 3**
N-(2-CHLOROETHYL)AMINOMETHYL-4-
METHOXYNITROBENZENEmf: $C_{10}H_{13}ClN_2O_3$ mw: 244.70**SYNS:** BENZYLAMINE, N-(2-CHLOROETHYL)-2-METHOXY-5-NITRO- □ N-(2-CHLOROETHYL)-2-METHOXY-5-NITRO-BENZYL AMINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:28 mg/kg IJMRAQ 66,987,77

SAFETY PROFILE: Poison by ingestion.Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .**CGQ500 CAS: 21715-46-8 HR: 3**
6-CHLORO-2-ETHYLAMINO-4-METHYL-4-
PHENYL-4H-3,1-BENZOXAZINEmf: $C_{17}H_{17}ClN_2O$ mw: 300.81**SYNS:** 2-AETHYLAMINO-6-CHLOR-4-METHYL-4-PHENYL-4H-3,1-BENZOXAZIN (GERMAN) □ 6-CHLORO-N-ETHYL-4-METHYL-4-PHENYL-4H-3,1-BENZOXAZIN-2-AMINE □ ETIFOXIN □ ETIFOXINE □ HOE 36801**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1500 mg/kg THERAP 27,325,72

ipr-rat LD50:292 mg/kg THERAP 27,325,72

ivn-rat LD50:55 mg/kg THERAP 27,325,72

orl-mus LD50:1388 mg/kg THERAP 27,325,72

ipr-mus LD50:450 mg/kg THERAP 27,325,72

ivn-mus LD50:120 mg/kg THERAP 27,325,72

ivn-gpg LDLo:133 mg/kg THERAP 27,325,72

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. A tranquilizer. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CGR000 CAS: 38914-96-4 HR: 2****9-(((2-CHLOROETHYL)AMINO)PROPYL)-**
AMINO)ACRIDINE DIHYDROCHLORIDE
HYDRATEmf: $C_{18}H_{20}ClN_3 \cdot 2ClH \cdot H_2O$ mw: 404.80**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µg/plate JMCAR 15,739,72

ipr-mus LD20:243 mg/kg JMCAR 15,739,72

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CGR250 CAS: 38915-50-3 HR: 3**
7-(((2-CHLOROETHYL)AMINO)PROPYL)-
AMINO)BENZ(c)ACRIDINE DIHYDRO-
CHLORIDE SESQUIHYDRATEmf: $C_{22}H_{22}ClN_3 \cdot 2ClH \cdot 3/2H_2O$ mw: 463.87**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µg/plate JMCAR 15,739,72

ipr-mus LD20:70 mg/kg JMCAR 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .**CGR500 CAS: 38915-61-6 HR: 3**
7-(((2-CHLOROETHYL)AMINO)PROPYL)-
AMINO)BENZO(b)(1,10)PHENANTHROLINE
DIHYDROCHLORIDEmf: $C_{21}H_{21}ClN_4 \cdot 2ClH$ mw: 437.83**SYN:** ICR 395**TOXICITY DATA with REFERENCE:**

mmo-sat 500 ng/plate MUREAV 136,185,84

ipr-mus LD20:68 mg/kg JMCAR 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CGR750 CAS: 38915-61-6 HR: 3**
7-(((2-CHLOROETHYL)AMINO)PROPYL)-
AMINO)BENZO(b)(1,8)PHENANTHROLINE
DIHYDROCHLORIDE HYDRATEmf: $C_{21}H_{21}ClN_4 \cdot 2ClH \cdot H_2O$ mw: 455.85**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µg/plate JMCAR 15,739,72

ipr-mus LD20:68 mg/kg JMCAR 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CGS500 CAS: 36167-69-8 HR: 3**
10-((2-CHLOROETHYLAMINO)PROPYLAMINO)-
2-METHOXY-7-CHLOROBENZO(b)-(1,5)-
NAPHTHYRIDINEmf: $C_{18}H_{20}Cl_2N_4O$ mw: 379.32**SYNS:** N-(2-CHLOROETHYL)-N'-(7-CHLORO-2-METHOXY-BENZO(b)-1,5-NAPHTHYRIDIN-10-YL)-1,3-PROPANEDIAMINE □ ICR 372**TOXICITY DATA with REFERENCE:**

mmo-sat 500 ng/plate MUREAV 136,185,84

mmo-esc 5 µg/plate GENTAE 78,823,74

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,150,87; Human Limited Evidence IMEMDT 26,137,81; Animal Sufficient Evidence IMEMDT 26,137,81. NCI Carcinogenesis Studies (ipr); Clear Evidence: mouse CANCAR 40,1935,77; No Evidence: rat CANCAR 40,1935,77. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by ingestion, intraperitoneal, subcutaneous, intravenous, and possibly other routes. Human systemic effects by ingestion: anorexia, nausea or vomiting, leukopenia (decrease in the white blood cell count), and thrombocytopenia (decrease in the number of blood platelets). Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also N-NITROSO COMPOUNDS.

CGV275 CAS: 30077-45-3 HR: 1
 β -CHLOROETHYLDICHLOROARSINE

mf: $\text{C}_2\text{H}_4\text{AsCl}_3$ mw: 209.33

PROP: Oil. D: 1.840, bp: 92–93° @ 32 mm.

SYNS: ARSINE, (2-CHLOROETHYL)DICHLORO- \square β -CHLOROETHYLDICHLOROARSINE

TOXICITY DATA with REFERENCE:

ihl-mus LC50:13 g/ m^3 /10M NTIS** PB158-508

OSHA PEL: TWA 0.5 mg(As)/ m^3

SAFETY PROFILE: Toxic by inhalation. When heated to decomposition it emits toxic fumes of As and Cl^- .

CGV500 CAS: 100-35-6 HR: 3
N-(2-CHLORO ETHYL)DIETHYLAMINE

mf: $\text{C}_6\text{H}_{14}\text{ClN}$ mw: 135.66

SYNS: (2-CHLOROETHYL)DIETHYLAMINE \square β -CHLORO TRIETHYLAMINE \square 2-CHLOROTRIETHYLAMINE \square 2-(DIETHYL AMINO)CHLOROETHANE \square DIETHYLAMINO-ETHYL CHLORIDE \square β -(DIETHYLAMINO)ETHYL CHLORIDE \square N-DIETHYLAMINOETHYL CHLORIDE \square 2-(DIETHYL-AMINO) ETHYL CHLORIDE \square DIETHYL(2-CHLORO-ETHYL)AMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H MOD AMIHBC 4,119,51

eye-rbt 2 mg SEV AMIHBC 4,119,51

dni-mus-ivg 5000 ppm JIDEAE 62,378,74

orl-rat LD50:17 mg/kg AMIHBC 4,119,51

unr-rat LD50:30 mg/kg PHBUA9 1,297,53

skn-rbt LD50:300 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, skin contact and possibly other routes. A severe eye and moderate skin irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also AMINES and CHLORIDES.

CGV600 CAS: 4261-68-1 HR: 3
2-CHLOROETHYLDIISOPROPYLAMINE
HYDROCHLORIDE

mf: $\text{C}_8\text{H}_{18}\text{ClN}\cdot\text{ClH}$ mw: 200.18

SYNS: (β -CHLOROETHYL)DIISOPROPYLAMINE HYDROCHLORIDE \square N-(CHLOROETHYL)DIISOPROPYLAMINE HYDROCHLORIDE \square N-(2-CHLOROETHYL)-N-(1-METHYLETHYL)-2-PROPANAMINE HYDROCHLORIDE \square 2-(DIISOPROPYLAMINO)ETHYL CHLORIDE HYDROCHLORIDE \square 2-PROPANAMINE, N-(2-CHLOROETHYL)-N-(1-METHYLETHYL)-, HYDROCHLORIDE \square TRIETHYLAMINE, 2"-CHLORO-1,1'-DIMETHYL-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV NTIS** OTS0539176

eye-rbt 100 mg SEV NTIS** OTS0539176

orl-rat LD50:96,750 $\mu\text{g}/\text{kg}$ NTIS** OTS0539176

ihl-rat LC50:12 mg/ m^3 /4H NTIS** OTS0539177

skn-rbt LD50:197 mg/kg NTIS** OTS0539176

SAFETY PROFILE: A poison by is, inhalation, and skin contact. A severe skin and eye irritant. When heated to decomposition it emits toxic vapors of NO_x , HCl, and Cl^- .

CGW000 CAS: 107-99-3 HR: 3
N-(2-CHLOROETHYL)DIMETHYLAMINE

mf: $\text{C}_4\text{H}_{10}\text{ClN}$ mw: 107.60

PROP: Liquid. Vap d: 3.72.

SYNS: CHLORO(DIMETHYLAMINO)ETHANE \square β -CHLORO ETHYLDIMETHYLAMINE \square (2-CHLOROETHYL)DIMETHYL AMINE \square DIMETHYLAMINOETHYL CHLORIDE \square β -(DIMETHYLAMINO)ETHYL CHLORIDE \square 2-DIMETHYL AMINOETHYLCHLORIDE \square DIMETHYL(2-CHLOROETHYL) AMINE \square HN 1 \square NITROGEN HALF MUSTARD

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate ARTODN 56,267,85

mma-sat 100 nmol/plate ARTODN 56,267,85

mno-esc 100 nmol/plate ARTODN 56,267,85

mma-esc 100 nmol/plate ARTODN 56,267,85

oms-omi 2 mol EXPEAM 29,1344,73

mno-smc 20 mmol/L GENTAE 92,83,79

dni-mus-ivg 2 pph JIDEAE 62,378,74

unr-rat LD50:30 mg/kg PHBUA9 1,297,53

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

SAFETY PROFILE: Poison by an unspecified route. A systemic irritant. Mutation data reported. When heated to decomposition it emits highly toxic fumes of Cl^- and NO_x .

CGW100 HR: 2
3'-CHLORO-4'-ETHYL-4-DIMETHYLAMINO-AZOBENZENE

mf: $\text{C}_{16}\text{H}_{18}\text{ClN}_3$ mw: 287.82

SYNS: BENZENAMINE, N,N-DIMETHYL-3'-CHLORO-4'-ETHYL-4-(PHENYLAZO)- \square p-((3-CHLORO-4-ETHYLPHENYL)-AZO)-N,N-DIMETHYLANILINE

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CGW105 HR: 2
4'-CHLORO-3'-ETHYL-4-DIMETHYLAMINO
AZOBENZENE

mf: $\text{C}_{16}\text{H}_{18}\text{ClN}_3$ mw: 287.82

SYNS: BENZENAMINE, N,N-DIMETHYL-4'-CHLORO-3'-ETHYL-4-(PHENYLAZO)- □ p-((4-CHLORO-3-ETHYL-PHENYL)AZO)-N,N-DIMETHYLANILINE

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CGW250 CAS: 13909-02-9 HR: 3
1-(2-CHLOROETHYL)-3-(2,6-DIOXO-3-PIPERIDYL)-1-NITROSOUREA

mf: $\text{C}_8\text{H}_{10}\text{ClN}_4\text{O}_4$ mw: 261.67

SYNS: N-(2-CHLOROETHYL)-N'-(2,6-DIOXO-3-PIPERIDINYL)-N-NITROSOUREA □ NSC-95466 □ PCNU

TOXICITY DATA with REFERENCE:

mno-sat 200 $\mu\text{g}/\text{plate}$ TCMUD8 5,319,85
 dnd-mus:leu 200 $\mu\text{mol}/\text{L}$ PAACA3 24,249,83
 dni-mus/oth 16 mg/kg INSSDM 19,85,81
 oms-mus/leu 16 mg/kg INSSDM 19,85,81
 orl-mus LD50:35,700 $\mu\text{g}/\text{kg}$ NTIS** PB282-250
 ipr-mus LD50:15,210 $\mu\text{g}/\text{kg}$ NCISP* JAN86
 ivn-mus LD50:22 mg/kg NTIS** PB282-250
 ivn-dog LDLo:3 mg/kg NTIS** PB282-250
 ivn-mky LDLo:10 mg/kg NTIS** PB282-250

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

CGW275 CAS: 24689-89-2 HR: 3
CHLOROETHYLENE BISTHIOCYANATE

mf: $\text{C}_4\text{H}_3\text{ClN}_2\text{S}_2$ mw: 178.66

SYNS: THIOCYANIC ACID, CHLOROETHYLENE ESTER (8CI) □ THIOCYANIC ACID, 1-CHLORO-1,2-ETHANEDIYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:98 mg/kg DIMCAL 12,404,71

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x , SO_x , and Cl^- .

CGW300 CAS: 9011-06-7 HR: 2
CHLOROETHYLENE-1,1-DICHLOROETHYLENE POLYMER

mf: $(\text{C}_2\text{H}_3\text{Cl} \cdot \text{C}_2\text{H}_2\text{Cl}_2)_x$

SYNS: BREON 202 □ BREON CS 100/30 □ DARAN □ DARAN CR 6795H □ 1,1-DICHLOROETHYLENE POLYMER with CHLOROETHYLENE □ 1,1-DICHLOROETHYLENE-MONOCHELORETHYLENE POLYMER □ 1,1-DICHLOROETHYLENE POLYMER with CHLOROETHYLENE □ DOW 874 □ DOW LATEX 874 □ ET 67 □ ETHYLENE, 1,1-DICHLORO-, POLYMER with CHLOROETHYLENE (9CI) □ ETHYLENE, 1,1-DICHLORO-, POLYMER with CHLOROETHYLENE □ GEON 222 □ GEON 652 □ IKhS 1 □ KhS 596 □ KUREHALON A0 □ LAPLEN □ LATEX SVKh □ POLYCO 2611 □ QX 2168 □ SARAN 683 □ SARAN 746 □ SARAN RESIN 683 □ SP 489 □ SVKh 1 □ SVKh 40 □ UP 925 □ VELON □ VIKh 65 □ VINIDEN 60 □ VINYL CHLORIDE COPOLYMER with VINYLIDENE CHLORIDE □ VINYL CHLORIDE-1,1-DICHLOROETHYL ENE COPOLYMER □ VINYL CHLORIDE-VINYLDENE CHLORIDE COPOLYMER □ VINYL CHLORIDE-VINYLDENE CHLORIDE POLYMER □ VINYLIDENE

CHLORIDE-VINYL CHLORIDE POLYMER □ VKhVD 40 □ WINIDEN 60

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Human No Adequate Data IMEMDT 19,439,79; Animal No Adequate Data IMEMDT 19,439,79. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen. When heated to decomposition it emits toxic vapors of Cl^- .

CGW750 CAS: 63019-51-2 HR: 2
4-CHLORO-6-ETHYLENEIMINO-2-PHENYL PYRIMIDINE

mf: $\text{C}_{12}\text{H}_{10}\text{ClN}_3$ mw: 231.70

SYN: 6-(1-AZIRIDINYL)-4-CHLORO-2-PHENYLPYRIMIDINE

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

CGX000 CAS: 7763-77-1 HR: 2
CHLOROETHYLENE OXIDE

mf: $\text{C}_2\text{H}_3\text{ClO}$ mw: 78.50

SYNS: CHLOROEOXYETHANE □ CHLOROOXIRANE □ MONOCHLOROETHYLENE OXIDE

TOXICITY DATA with REFERENCE:

mma-sat 400 $\mu\text{mol}/\text{L}$ MUREAV 58,217,78
 mmo-esc 500 $\mu\text{mol}/\text{L}$ MUREAV 152,147,85
 mrc-smc 1 mmol/L TOERD9 3,131,81
 dns-rat-ivn 5 g/kg CBINA8 17,239,77
 msc-ham:lng 6 $\mu\text{mol}/\text{L}$ IJCNAW 16,639,75

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- . See also CHLORIDES.

CGX250 CAS: 4535-87-9 HR: 3
N-(2-CHLOROETHYL)ETHANAMINE HYDROCHLORIDE

mf: $\text{C}_4\text{H}_{10}\text{ClN} \cdot \text{ClH}$ mw: 144.06

SYNS: N-(2-CHLOROETHYL)ETHYLAMINE HYDROCHLORIDE □ ETHYL- β -CHLOROETHYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:400 mg/kg ARZNAD 11,143,61
 ipr-mus LD50:1120 mg/kg CANCAR 2,1055,49
 scu-mus LD50:1 g/kg NTIS** PB158-507
 ivn-mus LD50:100 mg/kg JPETAB 91,224,47

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CGX325 CAS: 56538-02-4 HR: 3
N-(2-CHLOROETHYL)-2-ETHOXY-5-NITRO BENZYLAMINE

mf: $\text{C}_{11}\text{H}_{15}\text{ClN}_2\text{O}_3$ mw: 258.73

SYNS: BENZENEMETHANAMINE-N-(2-CHLOROETHYL)-2-ETHOXY-5-NITRO □ N-(2-CHLOROETHYL)AMINOETHYL-4-ETHOXYNITROBENZENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:25 mg/kg IJMRAQ 66,987,77

SAFETY PROFILE: Poison by ingestion.

Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CGX500 CAS: 38915-22-9 HR: 3
2-((2-CHLOROETHYL)ETHYLAMINO))-N-(3-((6-CHLORO-2-METHOXY-9-ACRIDINYL)AMINO)PROPYL)PROPYL)ACETAMIDE DIHYDROCHLORIDE, HEMIHYDRATE

mf: $\text{C}_{23}\text{H}_{28}\text{Cl}_2\text{N}_4\text{O}_2 \cdot 2\text{ClH} \cdot 1/2\text{H}_2\text{O}$ mw: 545.38

SYN: ICR 290

TOXICITY DATA with REFERENCE:

mmo-sat 5 $\mu\text{g}/\text{plate}$ JMCMA 15,739,72

ipr-mus LD20:5454 $\mu\text{g}/\text{kg}$ JMCMA 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route.

Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CGX625 CAS: 51775-17-8 HR: 3
2-(N-(2-CHLOROETHYL)-N-ETHYLAMINO METHYL)-1,4-BENZODIOXAN HYDROCHLORIDE

mf: $\text{C}_{13}\text{H}_{18}\text{ClNO}_2 \cdot \text{ClH}$ mw: 292.23

SYN: CHLORHYDRATE de (N-ETHYL,N, β -CHLOROETHYL) AMINO-METHYLBENZODIOXANE (FRENCH) \square N-(2-CHLOROETHYL)-N-ETHYL-1,4-BENZODIOXAN-2-METHYLAMINE HYDROCHLORIDE \square 3718 RP

TOXICITY DATA with REFERENCE:

scu-rat LDLo:40 mg/kg AIPTAK 95,285,53

scu-mus LDLo:40 mg/kg AIPTAK 95,285,53

ivn-mus LD50:56 mg/kg CSLNX* NX#07473

ivn-dog LDLo:15 mg/kg AIPTAK 95,285,53

scu-rbt LDLo:30 mg/kg AIPTAK 95,285,53

ivn-rbt LDLo:15 mg/kg AIPTAK 95,285,53

scu-frg LDLo:50 mg/kg AIPTAK 95,285,53

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

CGX750 CAS: 38914-97-5 HR: 3
9-((3-((2-CHLOROETHYL)ETHYLAMINO)-PROPYL)AMINO)ACRIDINE DIHYDROCHLORIDE

mf: $\text{C}_{20}\text{H}_{24}\text{ClN}_3 \cdot 2\text{ClH}$ mw: 414.84

SYN: N'-9-ACRIDINYL-N-(2-CHLOROETHYL)-N-ETHYL-1,3-PROPANEDIAMINE DIHYDROCHLORIDE \square ICR 217

TOXICITY DATA with REFERENCE:

mmo-sat 500 ng/plate MUREAV 136,185,84

msc-ham:ovr 1 $\mu\text{mol}/\text{L}$ CNREA8 39,487,79

ipr-mus LD20:1659 $\mu\text{g}/\text{kg}$ JMCMA 15,739,72

SAFETY PROFILE: A poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CGY000 CAS: 39013-93-9 HR: 3
7-((3-((2-CHLOROETHYL)ETHYLAMINO)-PROPYL)AMINO)BENZO(b) (1,10)PHENANTHROLINE DIHYDROCHLORIDE

mf: $\text{C}_{23}\text{H}_{25}\text{ClN}_4 \cdot 2\text{ClH}$ mw: 465.89

SYN: 7-((3-((2-CHLOROETHYL)ETHYLAMINO)PROPYL)AMINO)BENZO(b)(1,10)PHENANTHROLINE 2HCl

\square ICR 368

TOXICITY DATA with REFERENCE:

mmo-sat 500 ng/plate MUREAV 136,185,84

msc-ham:ovr 250 nmol/L CNREA8 39,487,79

ipr-mus LD20:932 $\mu\text{g}/\text{kg}$ JMCMA 15,739,72

SAFETY PROFILE: A poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CGY500 CAS: 78218-16-3 HR: 3
9-((3-((2-CHLOROETHYL)ETHYLAMINO)-PROPYL)AMINO)-4-METHOXYACRIDINE DIHYDROCHLORIDE HEMIHYDRATE

mf: $\text{C}_{21}\text{H}_{26}\text{ClN}_3\text{O} \cdot 2\text{ClH} \cdot 1/2\text{H}_2\text{O}$ mw: 453.84

SYN: 9-((3-((2-CHLOROETHYL)ETHYLAMINO)PROPYL)AMINO)-4-METHOXYACRIDINE 2HCl HEMIHYDRATE \square N-(2-CHLOROETHYL)-N-ETHYL-N'-(4-METHOXY-9-ACRIDINYL)-1,3-PROPANEDIAMINE DIHYDROCHLORIDE HEMIHYDRATE

TOXICITY DATA with REFERENCE:

mmo-sat 5 $\mu\text{g}/\text{plate}$ JMCMA 15,739,72

ipr-mus LD20:1362 $\mu\text{g}/\text{kg}$ JMCMA 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route.

Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CGY600 CAS: 62078-98-2 HR: 3
N-(2-CHLOROETHYL)-N-ETHYL-2-BROMO BENZYLAMINE

mf: $\text{C}_{11}\text{H}_{15}\text{BrClN}$ mw: 276.60

SYN: BENZENEMETHANAMINE, 2-BROMO-N-(2-CHLOROETHYL)-N-ETHYL- \square DSP4

TOXICITY DATA with REFERENCE:

ipr-rat TDLo:50 mg/kg PHTOE 88,152,2001

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

CGY610 CAS: 178481-70-4 HR: D
N-(2-CHLOROETHYL)-N-ETHYL-4-(3-(5-(4-METHYL-1-PIPERAZINYL)(2,5'-BI-1H-BENZIMIDAZOL)-2'-YL)PROPYL)BENZEN-AMINE

mf: $\text{C}_{32}\text{H}_{38}\text{ClN}_7$ mw: 556.22

SYN: MGB1

TOXICITY DATA with REFERENCE:

mmt-ham:ovr 10 $\mu\text{mol}/\text{L}$ MUREAV 448,35,2000

msc-ham:ovr 5 $\mu\text{mol}/\text{L}$ MUREAV 448,35,2000

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

CGY750 CAS: 693-07-2 HR: 3
CHLOROETHYL ETHYL SULFIDE

mf: $\text{C}_4\text{H}_9\text{ClS}$ mw: 124.64

PROP: Liquid with penetrating odor. D: 1.07 @ 25°/4°, bp: 156.5°.

SYN: 2-CHLOROETHYL ETHYL SULFIDE \square 2-CHLOROETHYL ETHYL THIOETHER \square 1-CHLORO-2-(ETHYLTHIO)-

ETHANE □ ETHYL-β-CHLOROETHYL SULFIDE □ ETHYL-2-CHLOROETHYL SULFIDE □ β-ETHYLMERKAPTO-ETHYL-CHLORID (CZECH) □ 2-(ETHYLTHIO)CHLOROETHANE □ 2-ETHYLTHIOETHYL CHLORIDE □ HALF-MUSTARD GAS □ h-MG

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,170,72
eye-rbt 250 µg/24H SEV 28ZPAK -,170,72
mmo-esc 500 µmol/L MUREAV 28,257,75
dnd-esc 500 µmol/L MUREAV 28,257,75
slt-dmg-par 5 mmol/L MUREAV 13,19,71
sln-dmg-par 5 mmol/L CNREA8 32,550,72
orl-rat LD50:252 mg/kg 28ZPAK -,170,72
scu-mus LDLo:25 mg/kg NTIS** PB158-507

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

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Mutation data reported. A severe skin and eye irritant. See also ETHERS and SULFIDES. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

CGY825 CAS: 1537-62-8 HR: 3 2-CHLOROETHYL FLUOROACETATE

mf: C₄H₅ClFO₂ mw: 140.55

SYNS: β-CHLOROETHYL FLUOROACETATE □ TL 671

TOXICITY DATA with REFERENCE:

ihl-rat LC50:200 mg/m³/10M NTIS** PB158-508
ihl-mus LC50:700 mg/m³/10M NTIS** PB158-508
ihl-rbt LC50:100 mg/m³/10M NTIS** PB158-508
ihl-gpg LC50:150 mg/m³/10M NTIS** PB158-508

SAFETY PROFILE: Poison by inhalation. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻.

CGZ000 CAS: 371-28-8 HR: 3 2-CHLOROETHYL-γ-FLUOROBUTYRATE

mf: C₆H₁₀ClFO₂ mw: 168.61

SYN: 4-FLUORO-BUTYRIC ACID-2-CHLOROETHYL ESTER

TOXICITY DATA with REFERENCE:

ihl-mus LC50:54 mg/m³/10M NTIS** PB158-508
ihl-gpg LC50:100 mg/m³/10M NTIS** PB158-508

SAFETY PROFILE: Poison by inhalation. See also ESTERS. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.

CHA000 CAS: 58484-07-4 HR: 3 1-(2-CHLOROETHYL)-3-(β-d-GLUCOPYRANOSYL)-1-NITROSOUREA

mf: C₉H₁₆ClN₃O₇ mw: 313.73

SYNS: GANU □ NSC-D 254157

TOXICITY DATA with REFERENCE:

dnd-mus:leu 100 µmol/L INSSDM 19,49,81
dni-mus/leu 10 mg/kg CNREA8 37,783,77
ivn-rat LD50:40 mg/kg GANNA2 68,247,77
ipr-mus LD50:15 mg/kg CNREA8 37,783,77
ipr-mus LDLo:10 mg/kg CNREA8 37,2615,77
ivn-mus LD10:10 mg/kg ANBCB3 23,64,78

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Many N-nitroso compounds are

carcinogens. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻. See also N-NITROSO COMPOUNDS.

CHA250 CAS: 60784-48-7 HR: 3 1-(2-CHLOROETHYL)-3-(4-HYDROXYBUTYL)-1-NITROSOUREA

mf: C₇H₁₄ClN₃ mw: 175.69

TOXICITY DATA with REFERENCE:

mrc-smc 1 mmol/L/16H MUREAV 42,45,77
ipr-rat LD50:32 mg/kg EJCAAH 13,937,77

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻. See also N-NITROSO COMPOUNDS.

CHA500 CAS: 52049-26-0 HR: 3 1-(2-CHLOROETHYL)-3-(cis-4-HYDROXYCYCLOHEXYL)-1-NITROSOUREA

mf: C₉H₁₆ClN₃O₃ mw: 249.73

SYNS: cis-4-HYDROXY-CCNU □ cis-N-(2-CHLOROETHYL)-N'-(4-HYDROXYCYCLOHEXYL)-N-NITROSOUREA □ cis-4-OH-CCNU □ NSC-239724

TOXICITY DATA with REFERENCE:

ipr-mus LD50:60,180 µg/kg NCISP* JAN86
ivn-mus LD10:25 mg/kg ANBCB3 23,64,78
ipl-mus LDLo:33 mg/kg JMCMA8 18,634,75

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

CHA750 CAS: 58494-43-2 HR: 3 1-(2-CHLOROETHYL)-3-(trans-2-HYDROXYCYCLOHEXYL)-1-NITROSOUREA

mf: C₉H₁₆ClN₃O₄ mw: 265.73

SYNS: N-(2-CHLOROETHYL)-N'-(trans-2-HYDROXYCYCLOHEXYL)-N-NITROSOUREA □ NSC-253947 □ trans-2-OH-CCNU □ trans-N-(2-CHLOROETHYL)-N'-(2-HYDROXYCYCLOHEXYL)-N-NITROSOUREA

TOXICITY DATA with REFERENCE:

mmo-sat 100 nmol/plate JJIND8 65,149,80
ipr-mus LD50:90,140 µg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.

CHB000 CAS: 56239-24-8 HR: 3 1-(2-CHLOROETHYL)-3-(trans-4-HYDROXYCYCLOHEXYL)-1-NITROSOUREA

mf: C₉H₁₆ClN₃O₃ mw: 249.73

SYNS: N-(2-CHLOROETHYL)-N'-(trans-4-HYDROXYCYCLOHEXYL)-N-NITROSOUREA □ trans-N-(2-CHLORO-ETHYL)-N'-(4-HYDROXYCYCLOHEXYL)-N-NITROSOUREA □ trans-4-HYDROXY-CCNU □ NSC-239717 □ trans-4-OH CCNU

TOXICITY DATA with REFERENCE:

mmo-sat 100 nmol/plate JJIND8 65,149,80

mma-sat 100 nmol/plate JJIND8 65,149,80
 dnd-hmn:emb 100 μ mol/L CNREA8 44,1352,84
 ipr-mus LD50:52,420 μ g/kg NCISP* JAN86
 ivn-mus LD10:12 mg/kg ANBCB3 23,64,78
 ipl-mus LDLo:35 mg/kg JMCMA8 18,634,75

SAFETY PROFILE: Poison by implant, intravenous and intraperitoneal routes. Human mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- . See also N-NITROSO COMPOUNDS.

CHB250 CAS: 101651-98-3 HR: 3
7-CHLORO-10-(3-(N-ETHYL-N-(2-HYDROXY-ETHYL)AMINO)PROPYL)ISOALLOXAZINE HYDROCHLORIDE

mf: $\text{C}_{17}\text{H}_{20}\text{ClN}_5\text{O}_3 \cdot \text{ClH}$ mw: 414.33

TOXICITY DATA with REFERENCE:

ipr-rat LD50:75 mg/kg CMTRAG 2,96,61
 orl-mus LD50:5000 mg/kg CMTRAG 2,96,61
 ipr-mus LD50:90 mg/kg CMTRAG 2,96,61
 scu-mus LD50:145 mg/kg CMTRAG 2,96,61
 ivn-mus LD50:60 mg/kg CMTRAG 2,96,61
 ims-mus LD50:90 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, intravenous, and intramuscular routes. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CHB750 CAS: 60784-46-5 HR: 3
1-(2-CHLOROETHYL)-3-(2-HYDROXYETHYL)-1-NITROSOUREA

mf: $\text{C}_5\text{H}_{10}\text{ClN}_3\text{O}_3$ mw: 195.63

PROP: A solid. Mp: 56° . Sol in H_2O .

SYNS: CNU-ETHANOL \square HECNU \square 1-(2-HYDROXYETHYL)-3-(2-CHLOROETHYL)-3-NITROSOUREA \square HYDROXYETHYL CNU \square NSC-294895

TOXICITY DATA with REFERENCE:

sln-dmg-orl 5 mmol/L DRISAA 52,20,77
 sln-dmg-par 5 mmol/L DRISAA 52,20,77
 mrc-smc 1 mmol/L/16H MUREAV 42,45,77
 dnd-rat-ipr 100 μ mol/kg CNREA8 44,514,84
 cyt-mus:lng 1 mg/L/1H MUREAV 44,87,77
 ivn-rat TDLo:16 mg/kg/60W-I:ETA DTESD7 8,273,80
 ipr-rat LD50:25,300 μ g/kg ONCOBS 37,177,80
 ipr-mus LD50:25 mg/kg INSSDM 19,123,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also N-NITROSO COMPOUNDS.

CHC000 CAS: 693-30-1 HR: 3
2-CHLOROETHYL-2-HYDROXYETHYL SULFIDE

mf: $\text{C}_4\text{H}_9\text{ClOS}$ mw: 140.64

SYNS: β -CHLOROETHYL- β -HYDROXYETHYL SULFIDE \square 2-((2-CHLOROETHYL)THIO)ETHANOL \square HALF MUSTARD GAS \square HALF SULFUR MUSTARD \square 2-HYDROXYETHYL-2-

CHLOROETHYL SULFIDE \square MUSTARD CHLOROHYDRIN \square SULFUR HALF-MUSTARD

TOXICITY DATA with REFERENCE:

dni-hmn:hla 1500 mg/L IUSMDJ 9,41,79
 oms-hmn:hla 1500 mg/L IUSMDJ 9,41,79
 dnd-rat:lvr 100 μ mol/L BIJOAK 80,496,61
 dnd-mus/ast 4 mg/kg BIJOAK 80,496,61
 ims-rat LD50:500 μ g/kg NTIS** PB158-507
 skn-mus LD50:600 mg/kg JPETAB 93,1,48
 ivn-mus LD50:35 mg/kg JPETAB 93,1,48

SAFETY PROFILE: Poison by intravenous and intramuscular routes. Moderately toxic by skin contact. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and SO_x . See also SULFIDES.

CHC100 CAS: 101536-80-5 HR: 3
S-(-)-3-CHLORO-5-ETHYL-6-HYDROXY-N-((1-METHYL-2-PYRROLIDINYL)METHYL)-o-ANISAMIDE HCL

mf: $\text{C}_{16}\text{H}_{23}\text{ClN}_2\text{O}_3 \cdot \text{ClH}$ mw: 363.32

SYNS: BENZAMIDE, 3-CHLORO-5-ETHYL-6-HYDROXY-2-METHOXY-N-((1-METHYL-2-PYRROLIDINYL)METHYL)-, MONOHYDROCHLORIDE, (S)- \square S-(-)-5-CHLORO-3-ETHYL-6-METHOXY-N-((1-METHYL-2-PYRROLIDINYL)METHYL) SALICYLAMIDE HCL \square FLB 524 HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:216 mg/kg EJMCA5 20,273,1985

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

CHC250 CAS: 60784-47-6 HR: 3
3-(2-CHLOROETHYL)-1-(3-HYDROXYPROPYL)-3-NITROSOUREA

mf: $\text{C}_6\text{H}_{12}\text{ClN}_3\text{O}_3$ mw: 209.66

SYN: 1-(3-HYDROXYPROPYL)-CNU

TOXICITY DATA with REFERENCE:

mrc-smc 1 mmol/L/16H MUREAV 42,45,77
 ipr-rat LDLo:16 mg/kg JNCIAM 60,345,78

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also N-NITROSO COMPOUNDS.

CHC500 CAS: 107-27-7 HR: 3
CHLOROETHYL MERCURY

mf: $\text{C}_2\text{H}_5\text{ClHg}$ mw: 265.11

PROP: Silvery, iridescent leaflets from EtOH. Mp: $196\text{--}198^\circ$. Sltly sol in Et_2O and EtOH; sol in CHCl_3 ; insol in H_2O . IDLH 10 mg/ m^3 (as Hg).

SYNS: CERESAN \square EMC \square ETHYLMERCURIC CHLORIDE \square ETHYLMERCURY CHLORIDE \square GANOZAN \square GRANOSAN

TOXICITY DATA with REFERENCE:

mmo-esc 20 nmol/L MJDHDW 28,F39,80
 dnr-esc 3 mmol/L MJDHDW 28,F39,80
 orl-rat TDLo:5600 μ g/kg (28D male):REP TIVSAI 46,157,73
 orl-rat TDLo:9 mg/kg (14D pre/1-22D preg):TER TIVSAI 46,157,73

orl-rat LD50:40 mg/kg TAGTBR 9,25,74
 ihl-rat LC50:689 mg/m³/4H GISAAA 56(2),80,91
 skn-rat LD50:200 mg/kg PHJOAV 185,361,60
 orl-mus LD50:56 mg/kg 85GMAT -,68,82
 ihl-mus LC50:5 mg/m³ 85JCAE -,1199,86
 ipr-mus LD50:16 mg/kg OCRAAH 3,137,68

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

OSHA PEL: TWA 0.01 mg(Hg)/m³; STEL 0.03 mg/m³ (skin)

ACGIH TLV: TWA 0.01 mg(Hg)/m³; 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 ingestion, inhalation, skin contact, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. See also MERCURY COMPOUNDS, ORGANIC. When heated to decomposition it emits very toxic fumes of Cl⁻ and Hg.

CHC675 CAS: 1888-94-4 HR: 3
CHLOROETHYL METHACRYLATE

mf: C₆H₉ClO₂ mw: 148.60

SYNS: β-CHLOROETHYL METHACRYLATE □ 2-CHLOROETHYL METHACRYLATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg 85GMAT -,36,82
 ihl-rat LC50:550 mg/m³/4H 85GMAT -,36,82
 ihl-mus LC50:700 mg/m³/2H 85GMAT -,36,82

SAFETY PROFILE: Poison by inhalation and ingestion. When heated to decomposition it emits toxic fumes of Cl⁻. See also ESTERS.

CHC750 CAS: 3570-58-9 HR: 3
2-CHLOROETHYL METHANESULFONATE

mf: C₃H₇ClO₃S mw: 158.61

PROP: Bp: 125–126° @ 9 mm.

SYNS: CB 1506 □ β-CHLOROETHYLMETHANESULFONATE □ CHLOROETHYL METHANESULFONATE □ CHLOROETHYL METHANESULFONATE d'ETHYLE (FRENCH) □ METHANE SULFONIC ACID CHLOROETHYL ESTER □ NSC-18016

TOXICITY DATA with REFERENCE:

dnd-dmg-par 10,500 µmol/L CNREA8 30,195,70
 sln-dmg-par 15 mmol/L ANYAA9 68,731,58
 mmo-nsc 100 mmol/L MGBUA3 17,5,60
 mmo-ssp 8 mmol/L ADWMAX -,193,62
 ipr-rat LD50:135 mg/kg CNCRA6 9,56,60
 ivn-rat LD50:143 mg/kg CNCRA6 9,56,60
 ipr-mus LD50:182 mg/kg CNCRA6 9,56,60
 ivn-mus LD50:182 mg/kg CNCRA6 9,56,60
 ivn-dog LDLo:32 mg/kg CCSUBJ 2,203,65
 ivn-mky LD50:127 mg/kg CNCRA6 9,56,60
 orl-qal LD50:208 mg/kg JRPFA4 48,271,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

CHD250 CAS: 13909-09-6 HR: 3
1-(2-CHLOROETHYL)-3-(4-METHYLCYCLOHEXYL)-1-NITROSOUREA

mf: C₁₀H₁₈ClN₃O₂ mw: 247.76

PROP: Mp: 64° (decomp).

SYNS: N-(2-CHLOROETHYL)-N'-(trans-4-METHYLCYCLOHEXYL)-N-NITROSOUREA □ 1-(2-CHLOROETHYL)-3-(trans-4-METHYLCYCLOHEXYL)-1-NITROSOUREA □ ICIG 1110 □ ME-CCNU □ METHYL-CCNU □ trans-METHYL-CCNU □ METHYL-LOMUSTINE □ NCI-C04955 □ NSC-95441 □ SEMUSTINE

TOXICITY DATA with REFERENCE:

skn-rbt 5 mg/24H rns TXCYAC 14,117,79
 mmo-sat 100 nmol/plate JJIND8 65,149,80
 mma-sat 100 nmol/plate JJIND8 65,149,80
 dnd-esc 50 µmol/L MUREAV 89,95,81
 dni-mus:oth 10 µmol/L CNREA8 43,583,83
 orl-hmn TDLo:22 mg/kg/60W-C:CAR NEJMAG 309,1079,83
 ipr-rat TDLo:30 mg/kg/7W-I:CAR CANCAR 40(Suppl 4),1935,77
 orl-hmn TDLo:90 mg/kg:BLD,GIT CCYPBY 4,257,73
 orl-hmn TDLo:6 mg/kg:GIT,BLD CTRRDO 60,709,76
 orl-chd LDLo:5550 mg/kg/30W-I NEJMAG 300,1200,79
 orl-chd TDLo:37,950 mg/kg/2Y-I NEJMAG 300,1200,79
 orl-mus LD50:49,900 µg/kg NTIS** PB269-473
 ipr-mus LD10:37 mg/kg CNREA8 34,194,74
 orl-dog LDLo:25 mg/kg ACSRAJ 16,273,72
 ivn-dog LDLo:14 mg/kg CTRRDO 60,1559,76
 orl-mky LDLo:100 mg/kg ACSRAJ 16,273,72
 ivn-mky LDLo:45 mg/kg CTRRDO 60,1559,76

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 1 IMEMDT 7,150,87; Animal Limited Evidence 7,150,87; Human Sufficient Evidence IMEMDT 7,150,87. NCI Carcinogenesis Studies (ipr); Clear Evidence: rat CANCAR 40,1935,77; No Evidence: mouse CANCAR 40,1935,77.

SAFETY PROFILE: Confirmed human carcinogen producing leukemia. Experimental carcinogenic and tumorigenic data. Poison by ingestion, intraperitoneal, intravenous, and possibly other routes. Mutation data reported. Human systemic effects by ingestion: nausea or vomiting, damage to kidney tubules and glomeruli, and hematuria (blood in the urine). When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.

CHD500 CAS: 61137-63-1 HR: 3
trans-1-(2-CHLOROETHYL)-3-(3-METHYLCYCLOHEXYL)-1-NITROSOUREA

mf: C₁₀H₁₈ClN₃O₂ mw: 247.76

SYNS: Me-CCNU □ trans-N-(2-CHLOROETHYL)-N'-(3-METHYLCYCLOHEXYL)-N-NITROSOUREA

TOXICITY DATA with REFERENCE:

msc-ham:ovr 4 mg/L CNREA8 35,460,75
 ipr-mus LD50:71,460 µg/kg NCISP* JAN86

CHE500 CAS: 13909-13-2 HR: 3
1-(2-CHLOROETHYL)-1-NITROSO-3-(2-NORBORNYL)UREAmf: C₁₀H₁₆ClN₃O₂ mw: 245.74**SYNS:** N'-BICYCLO(2.2.1)HEPT-2-YL-N-(2-CHLOROETHYL)-N-NITROSOUREA □ 1-(2-CHLOROETHYL)-3-(2-NORBORNYL)-1-NITROSOUREA □ NSC-88106 □ SRI 2638**TOXICITY DATA with REFERENCE:**orl-rat LD50:83 mg/kg NCIMR* -,372,68
orl-mus LD50:56 mg/kg NCIMR* -,372,68
ipr-mus LD50:54,760 µg/kg NCISP* JAN86**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.**CHE750 CAS: 2365-30-2 HR: 3**
1-(2-CHLOROETHYL)-1-NITROSOUREAmf: C₃H₆ClN₃O₂ mw: 151.57**SYNS:** N-(2-CHLOROETHYL)-N-NITROSOUREA □ CNU □ MP 655 □ N-NITROSO-2-CHLOROETHYLUREA □ 1-NITROSO-1-(2-CHLOROETHYL)UREA □ NSC-47547 □ SKI 28404**TOXICITY DATA with REFERENCE:**mmo-sat 1 µg/plate MUREAV 68,179
mma-sat 20 nmol/plate CNREA8 39,1328,79
dnr-esc 1 mmol/L CNREA8 45,6471,85
dnd-hmn:ovr 50 µmol/L INSSDM 19,33,81
dnd-mus:leu 10 µmol/L CNREA8 43,175,83
msc-ham:lng 10 µmol/L CNREA8 40,2719,80
ipr-mus LD50:4368 µg/kg NCISP* JAN86
ivn-mus LD10:4700 µg/kg ANBCB3 23,64,78**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. Human mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.**CHF000 CAS: 33073-60-8 HR: 3**
trans-4-(3-(2-CHLOROETHYL))-3-NITROSO-UREIDOCYCLOHEXANE CARBOXYLIC ACID ETHYL ESTERmf: C₁₂H₂₀ClN₃O₄ mw: 305.80**SYNS:** 4-(((2-CHLOROETHYL)NITROSOAMINO)CARBONYL)AMINO)CYCLOHEXANE CARBOXYLIC ACID, ETHYL ESTER □ NSC-103548**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:24,150 µg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal route. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.**CHF250 CAS: 61866-12-4 HR: 3**
2-(3-(2-CHLOROETHYL)3-NITROSOUREIDO)ETHYL METHANE SULFONATEmf: C₅H₁₀ClN₃O₃S mw: 259.69**SYNS:** 2-(3-(2-CHLORATHYL)-3-NITROSOUREIDO)ATHYLMETHANESULFONAT (GERMAN) □ CNUEMS □ ETHYLMETHANESULFONATO-CNU □ NSC-294896**TOXICITY DATA with REFERENCE:**mrc-smc 500 µmol/L/16H MUREAV 42,45,77
ipr-rat LD50:23 mg/kg VDGIA2 85,1293,79
ivn-rat LD50:13,800 µg/kg ONCOBS 37,177,80**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x. See also N-NITROSO COMPOUNDS, SULFONATES, and ESTERS.**CHF500 CAS: 6296-45-3 HR: 2**
2-CHLOROETHYL-N-NITROSOURETHANEmf: C₅H₉ClN₂O₃ mw: 180.61**SYNS:** N-(2-CHLOROETHYL)-N-NITROSOETHYL CARBAMATE □ N-(β-CHLOROETHYL)-N-NITROSOURETHAN □ ETHYL-N-(β-CHLOROETHYL)-N-NITROSOCARBAMATE □ TL 154**TOXICITY DATA with REFERENCE:**mmo-sat 1 nmol/plate CNREA8 43,175,83
dnd-mus:leu 500 nmol/L CNREA8 43,175,83
orl-rat LDLo:10 mg/kg CNREA8 31,573,71
ihl-rat LCLo:330 mg/m³/10M NDRC** NDCrc-132,Apr,42
ipr-rat LDLo:6500 µg/kg CNREA8 31,573,71
ihl-dog LCLo:330 mg/m³/10M NDRC** NDCrc-132,Apr,42
ihl-cat LCLo:330 mg/m³/10M NDRC** NDCrc-132,Apr,42**SAFETY PROFILE:** Poison by inhalation, ingestion, and intraperitoneal routes. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many N-nitroso compounds are carcinogens. See also CARBAMATES and N-NITROSO COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CHF600 CAS: 311-44-4 HR: 3**
2-CHLOROETHYL PARAOXONmf: C₁₀H₁₂Cl₂NO₆P mw: 344.10**SYNS:** 110H60 □ NITROPHENYLHALON □ PE 304 □ PHOSPHORIC ACID, BIS(2-CHLOROETHYL) p-NITROPHENYL ESTER**TOXICITY DATA with REFERENCE:**orl-rat LD50:37 mg/kg BCPA6 16,1183,67
orl-ckn LD50:>100 mg/kg BCPA6 16,1183,67**SAFETY PROFILE:** A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x, PO_x, and Cl⁻.**CHG000 CAS: 113-18-8 HR: 3**
1-CHLORO-3-ETHYL-1-PENTEN-4-YN-3-OLmf: C₇H₉ClO mw: 144.61**PROP:** Liquid with pungent, aromatic odor, slowly darkening on exposure to light and air. D: 1.065–1.070 @ 25°/4°, bp: 173–174°. Misc most org solvents; immisc in H₂O.**SYNS:** A 71 □ AETHYL-CHLORVYNOL □ ALVINOL □ ARVYNOL □ β-CHLOROVINYL ETHYLETHYNYL CARBINOL □ 3-(β-CHLOROVINYL)-1-PENTYN-3-OL □ ETCHLORVINOLO □ ETHCHLOROVYNOL □ ETHCHLORVINYL □

ETHCHLORVYNOL □ ETHOCHLORVYNOL □ ETHYL-β-CHLOROVINYLETHYL CARBINOL □ ETHYLCHLORVYNOL □ NORMONSON □ NORMOSAN □ NORMOSON □ NOSTEL □ PLACIDIL □ PLACIDYL □ ROERIDORM □ SERENIL □ SERENSIL

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:10 mg/kg:CNS BMJOAE 2,1610,62
orl-wmn TDLo:15 mg/kg/2D:BLD AIMEAS 77,73,72
scu-rat LD50:200 mg/kg 27ZQAG -,420,72
orl-mus LD50:290 mg/kg JPETAB 114,326,55
ipr-mus LD50:275 mg/kg 27ZQAG -,420,72
scu-mus LD50:240 mg/kg JPETAB 114,326,55
ivn-dog LD50:55 mg/kg 27ZQAG -,420,72
orl-bwd LD50:42 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. Human systemic effects by ingestion: general anesthesia and thrombocytopenia (reduction in the number of blood platelets). Human effects on newborn by an unspecified route: drug dependency and Apgar score (condition of newborn). Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

CHG050 CAS: 946-88-3 HR: 2 2-CHLOROETHYL PHENOXYACETATE

mf: C₁₀H₁₁ClO₃ mw: 214.66

SYN: ACETIC ACID, PHENOXY-, 2-CHLOROETHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:500 mg/kg CBCCT* 9,128,1957

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of Cl⁻.

CHG070 CAS: 943-59-9 HR: 2 2-CHLOROETHYL PHENYLACETATE

mf: C₁₀H₁₁ClO₂ mw: 198.66

SYN: ACETIC ACID, PHENYL-, 2-CHLOROETHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:500 mg/kg CBCCT* 9,128,1957

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of Cl⁻.

CHG250 CAS: 73816-74-7 HR: 1 4-(4-CHLORO-6-ETHYLPHENYLAMINO)-2-s- TRIAZINYLAMINO-5-HYDROXY-6-(4- METHYL-2-SULFOPHENYLAZO)-2,7- NAPHTHALENE DISULFONIC ACID TRISODIUM SALT

mf: C₂₈H₂₁ClN₇O₁₀S₃•3Na mw: 816.16

SYN: CERVEN BRILANTNI OSTAZINOVA H-3B (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 20 mg/24H MOD 28ZPAK -,234,72

orl-rat LD50:6730 mg/kg 28ZPAK -,234,72

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, Na₂O, and SO_x.

CHG375 CAS: 10419-79-1 HR: 2 (2-CHLOROETHYL)PHOSPHONIC ACID

DIETHYL ESTER

mf: C₆H₁₄ClO₃P mw: 200.62

PROP: Liquid. D: 1.16 @ 20°/4°, bp: 92–93° @ 2.5 mm.

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg GISAAA 48(8),79,83

orl-rbt LD50:2 g/kg GISAAA 48(8),79,83

orl-gpg LD50:1450 mg/kg GISAAA 48(8),79,83

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits toxic fumes of Cl⁻ and PO_x. See also ESTERS.

CHG400 CAS: 23510-39-6 HR: 2 (2-CHLOROETHYL)PHOSPHONIC ACID MONOETHYL ESTER

mf: C₄H₁₀ClO₃P mw: 172.56

TOXICITY DATA with REFERENCE:

orl-rat LD50:1250 mg/kg GISAAA 48(8),79,83

orl-rbt LD50:2 g/kg GISAAA 48(8),79,83

orl-gpg LD50:1800 mg/kg GISAAA 48(8),79,83

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits toxic fumes of Cl⁻ and PO_x. See also ESTERS.

CHG500 CAS: 2008-75-5 HR: 3 1-(2-CHLOROETHYL)PIPERIDINE HYDRO- CHLORIDE

mf: C₇H₁₄ClN•ClH mw: 184.13

PROP: A solid. Mp: 233–236°.

SYNS: β-CHLOROETHYLPIPERIDINE HYDROCHLORIDE □ PIPERIDINOETHYL CHLORIDE, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mno-sat 5400 nmol/L ENMUDM 3,11,81

mno-esc 5400 nmol/L ENMUDM 3,11,81

dns-rat:lv 500 μmol/L ENMUDM 3,11,81

msc-mus:lym 44 μmol/L ENMUDM 3,33,81

ipr-mus LD50:93 mg/kg JPETAB 94,249,48

scu-mus LD50:125 mg/kg JPETAB 97,25,49

ivn-mus LD50:56 mg/kg CSLNX* NX#07326

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

CHG750 CAS: 101651-64-3 HR: 3 2'-CHLORO-2-(ETHYL(2-PIPERIDINOETHYL)- AMINO)ACETANILIDE DIHYDROCHLORIDE

mf: C₁₇H₂₆ClN₃O•2ClH mw: 396.83

SYN: C 5410

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,262,59

ipr-rat LD50:89 mg/kg ARZNAD 9,262,59

scu-mus LD50:400 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CHH000 CAS: 38915-59-2 HR: 3 7-(3-(2-CHLOROETHYL-*n*-PROPYLAMINO)- PROPYLAMINO)BENZO(b)(1,10)PHEN-

ATHROLINE HYDROCHLORIDEmf: $C_{24}H_{27}ClN_4 \cdot 3ClH$ mw: 516.38

SYN: ICR 394

TOXICITY DATA with REFERENCE:mmo-sat 5 μg /plate JMCMAR 15,739,72ivn-mus TDLo:1550 μg /kg;NEO CNREA8 36,2423,76

ipr-mus LD20:1 mg/kg JMCMAR 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CHH125 CAS: 10140-94-0 HR: 3
2-CHLORO-5-ETHYL-4-PROPYL-2-THIONO-1,3,2-DIOXAPHOSPHORINANE

mf: $C_8H_{16}ClO_2PS$ mw: 242.72

SYN: PHOSPHOROCHLORIDOTHIOIC ACID, cyclic O,O-(2-ETHYL-1-PROPYLTRIMETHYLENE) ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AIHAAP 23,95,62

orl-rat LD50:300 mg/kg AIHAAP 23,95,62

skn-rbt LD50:1000 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. A severe skin irritant. When heated to decomposition it emits toxic fumes of Cl^- , PO_x , and SO_x . See also ESTERS.

CHI125 CAS: 80-41-1 HR: 2
2-CHLOROETHYL TOSYLATE

mf: $C_9H_{11}ClO_3S$ mw: 234.71**PROP:** Bp: 153° @ 0.3 mm.

SYNS: 2-CHLORO-ETHANOL-4-METHYLBENZENESULFONATE (9CI) □ 2-CHLORO-ETHANOL-p-TOLUENESULFONATE (8CI) □ β -CHLOROETHYLESTER KYSELINY-p-TOLUENSULFONOVE (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,197,72

orl-rat LD50:498 mg/kg 28ZPAK -,197,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of Cl^- and SO_x . See also SULFONATES.

CHI200 CAS: 37894-46-5 HR: 2
2-CHLOROETHYLTRIS(2-METHOXYETHOXY) SILANE

mf: $C_8H_{31}ClO_6Si$ mw: 286.93

SYNS: ALSOL □ CGA □ CGA 13586 □ ETACELASIL □ ETACEL SAL □ SILANE, 2-CHLOROETHYLTRIS(2-METHOXYETHOXY)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:878 mg/kg 85AREA 3,70,76/77

ihl-rat LC50:>3700 mg/m³/4H PEMNDP 9,339,91

skn-rat LD50:>3100 mg/kg PEMNDP 9,339,91

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

CHI250 CAS: 110-75-8 HR: 3
2-CHLOROETHYL VINYL ETHER

mf: C_4H_7ClO mw: 106.56

PROP: Liquid. Mp: -70.3°, bp: 108°, d: 1.05 @ 20°/4°, flash p: 80°F (OC).

SYNS: 2-CHLOROETHYL VINYL ETHER □ (2-CHLOROETH-OXY) ETHENE □ RCRA WASTE NUMBER U042 □ VINYL- β -CHLORO ETHYL ETHER □ VINYL-2-CHLOROETHYL ETHER

TOXICITY DATA with REFERENCE:

skn-rbt 525 mg open SEV UCDS** 11/15/71

eye-rbt 500 mg open JIHTAB 31,60,49

eye-rbt 500 mg/24H MLD 85JCAE -,541,86

orl-rat LD50:210 mg/kg UCDS** 11/15/71

orl-rat LD50:250 mg/kg JIHTAB 31,60,49

ihl-rat LCLo:250 ppm/4H JIHTAB 31,343,49

skn-rbt LD50:3354 mg/kg JIHTAB 31,60,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation and skin contact. A severe eye and skin irritant. See also ETHERS. Dangerous fire hazard when exposed to heat, flame, or oxidizers. Potentially explosive. May form dangerous peroxides on exposure to air. To fight fire, use alcohol foam, dry chemical. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORIDES and ETHERS.

CHI750 HR: 2
CHLOROETHYNYL NORGESTREL mixed with MESTRANOL (20:1)

SYNS: MESTRANOL mixed with CHLOROETHYNYL

NORGESTREL (1:20) □ WY-4355 mixed with MESTRANOL (20:1)

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CHI825 CAS: 5096-17-3 HR: 2
N-(7-CHLORO-2-FLUORENYL)ACETAMIDE

mf: $C_{15}H_{11}ClNO$ mw: 256.72

SYN: N-2-(7-CHLORO)FLUORENYLACETAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5000 mg/kg CNREA8 26,619,66

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CHI900 CAS: 593-70-4 HR: 3
CHLOROFLUOROMETHANE

mf: CH_2ClF mw: 68.48**PROP:** Gas. Bp: -9°.

SYNS: CFC 31 □ FC 31 □ FREON 31 □ MONOCHLORO-MONOFLUOROMETHANE □ R 31 □ R 31 (refrigerant)

TOXICITY DATA with REFERENCE:

mmo-sat 5 pph MUREAV 118,277,83

mma-sat 5 pph MUREAV 118,277,83

otr-ham:kdy 100 μmol /L TXAPA9 72,15,84

msc-ham:ovr 10 pph EVSRBT 25,91,82

ihl-mky LCLo:1000 ppm/4H TXAPA9 48,A109,79

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 41,229,86.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Moderately toxic by inhalation. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and F^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.

CHI950 CAS: 350-30-1 HR: D
2-CHLORO-1-FLUORO-4-NITROBENZENE

mf: $\text{C}_6\text{H}_3\text{ClFNO}_2$ mw: 175.55

SYNS: BENZENE, 2-CHLORO-1-FLUORO-4-NITRO- □ 3-CHLORO-4-FLUORONITROBENZENE

TOXICITY DATA with REFERENCE:

mno-sat 102 $\mu\text{g}/\text{plate}$ MUREAV 116,217,83

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x , F^- , and Cl^- .

CHJ000 CAS: 34214-51-2 HR: 2
3-(2-CHLORO-6-FLUOROPHENYL)-5-METHYL-4-ISOXAZOLYL PENICILLIN SODIUM MONOHYDRATE

mf: $\text{C}_{19}\text{H}_{17}\text{ClFN}_3\text{O}_5\text{S}\cdot\text{Na}\cdot\text{H}_2\text{O}$ mw: 494.91

SYNS: 6-(3-(2-CHLORO-6-FLUOROPHENYL)-5-METHYL-4-ISOXAZOLECARBOXAMIDO)PENICILLANIC ACID SODIUM SALT □ CULPEN □ FLOXACILLIN SODIUM MONOHYDRATE □ FLOXAPEN □ FLUCLOXACILLIN SODIUM MONOHYDRATE □ STAPHYLEX

TOXICITY DATA with REFERENCE:

orl-mus LD50:3800 mg/kg MEIEDD 10,589,83

scu-mus LD50:2200 mg/kg MEIEDD 10,589,83

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl^- , F^- , NO_x , Na_2O and SO_x . See other penicillin entries.

CHJ250 CAS: 6186-91-0 HR: 3
3-CHLORO-2-FLUOROPROPENE

mf: $\text{C}_3\text{H}_4\text{ClF}$ mw: 94.52

PROP: Bp: 53°.

SYN: 3-CHLORO-2-FLUORO-1-PROPENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:280 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:1000 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:200 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion and skin contact. Mildly toxic by inhalation. When heated to decomposition it emits very toxic fumes of F^- and Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC, and FLUORIDES.

CHJ300 CAS: 63284-71-9 HR: 3
2-CHLORO-4'-FLUORO- α -(PYRIMIDIN-5-YL)-DIPHENYLMETHANOL

mf: $\text{C}_{17}\text{H}_{12}\text{ClFN}_2\text{O}$ mw: 314.76

SYNS: (+)-2-CHLORO-4'-FLUORO- α -(PYRIMIDIN-5-YL)BENZHYDRYL ALCOHOL □ 2-CHLORO-4'-FLUORO- α -(PYRIMIDIN-5-YL)BENZHYDRYL ALCOHOL □ α -(2-CHLORO-PHENYL)- α -(4-FLUOROPHENYL)-5-PYRIMIDINE METHANOL □ EL 228 □ EL

2289 □ GUANTLET □ MUROX □ NUARIMOL □ 5-PYRIMIDINEMETHANOL, α -(2-CHLORO-PHENYL)- α -(4-FLUOROPHENYL)- □ TRIMIDAL □ TRIMIFRUIT SC □ TRIMINOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1250 mg/kg PEMNDP 9,625,91

orl-mus LD50:2500 mg/kg PEMNDP 9,625,91

orl-dog LD50:500 mg/kg PEMNDP 9,625,91

skn-rbt LD50:>2 g/kg PEMNDP 9,625,91

orl-qal LD50:200 mg/kg PEMNDP 9,625,91

orl-brd LD50:200 mg/kg 85JFAN A303,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by ingestion. Low toxicity by skin contact. When heated to decomposition it emits toxic vapors of NO_x , F^- , and Cl^- .

CHJ400 CAS: 77227-69-1 HR: D
5-(2-CHLORO-6-FLUORO-4-(TRIFLUORO-METHYL)-PHENOXY)-N-(ETHYLSULFONYL)-2-NITROBENZAMIDE

mf: $\text{C}_{16}\text{H}_{11}\text{ClF}_4\text{N}_2\text{O}_6\text{S}$ mw: 470.80

SYNS: BENZAMIDE, 5-(2-CHLORO-6-FLUORO-4-(TRIFLUOROMETHYL)PHENOXY)-N-(ETHYLSULFONYL)-2-NITRO- □ 5-(2-CHLORO-6-FLUORO-4-TRIFLUOROMETHYLPHENOXY)-N-ETHYLSULFONYL-2-NITROBENZAMIDE □ HALOSAFEN □ PP 748

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of SO_x , NO_x , F^- , and Cl^- .

CHJ500 CAS: 67-66-3 HR: 3
CHLOROFORM

DOT: UN 1888

mf: CHCl_3 mw: 119.37

PROP: Colorless liquid; heavy, ethereal odor. Mp: -63.2°, bp: 61.3°, flash p: none, d: 1.481 @ 25°/4°, vap press: 100 mm @ 10.4°, vap d: 4.12. Sltly sol in H_2O . IDLH 500 ppm.

SYNS: CHLOROFORME (FRENCH) □ CLOROFORMIO (ITALIAN) □ FORMYL TRICHLORIDE □ METHANE TRICHLORIDE □ METHENYL TRICHLORIDE □ METHYL TRICHLORIDE □ NCI-C02686 □ R 20 (refrigerant) □ RCRA WASTE NUMBER U044 □ TCM □ TRICHLORMETHAN (DUTCH) □ TRICHLORMETHAN (CZECH) □ TRICHLOROFORM □ TRICHLOROMETHANE □ TRICHLOROMETANO (ITALIAN)

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62

skn-rbt 500 mg/24H MLD 85JCAE -,89,86

eye-rbt 148 mg AIHAAP 37,697,76

eye-rbt 20 mg/24H MOD 85JCAE -,89,86

sce-hmn:lym 10 mmol/L ENVRL 32,72,83

dns-mus-ipr 50 mg/kg TOLED5 21,357,84

ihl-hmn TCLo:10 mg/ m^3 /1Y:CNS,GIT IRGGAJ 24,127,67

ihl-hmn LCLo:25,000 ppm/5M TABIA2 3,231,33

ihl-hmn TCLo:5000 mg/ m^3 /7M:CNS AHBAAM 116,131,36

unr-man LDLo:546 mg/kg 85DCAI 2,73,70

orl-rat LD50:908 mg/kg JPFCD2 17,205,82

ihl-rat LC50:47,702 mg/ m^3 /4H ENVRL 40,411,86

orl-mus LD50:36 mg/kg ATSDG 2,371,79
 ihl-mus LC50:28 g/m³ PCOC** -,230,66
 ipr-mus LD50:623 mg/kg AGGHAR 18,109,60
 scu-mus LD50:704 mg/kg JPETAB 123,224,58
 orl-dog LDLo:1000 mg/kg QJPPAL 7,205,34
 ihl-dog LC50:100 g/m³ PCOC** -,230,66
 ipr-dog LD50:1000 mg/kg TXAPA9 10,119,67
 ivn-dog LDLo:75 mg/kg QJPPAL 7,205,34
 ihl-cat LCLo:35,000 mg/m³/4H AHBAAAM 116,131,36
 orl-rbt LDLo:500 mg/kg AEXPBL 97,86,23

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,152,87; Animal Limited Evidence IMEMDT 1,61,72; Human Limited Evidence IMEMDT 20,401,79; Animal Sufficient Evidence IMEMDT 20,401,79. NCI Carcinogenesis Bioassay (gavage); Clear Evidence: mouse, rat NCITR* NCI-CG-TR,1976. EPA Genetic Toxicology Program. EPA Extremely Hazardous Substances List. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2 ppm

ACGIH TLV: TWA 10 ppm; Suspected Human Carcinogen; Animal Carcinogen

DFG MAK: 10 ppm (50 mg/m³); Confirmed Animal Carcinogen with Unknown Relevance to Humans)

NIOSH REL: (Waste Anesthetic Gases and Vapors) CL 2 ppm/1H; (Chloroform) CL 2 ppm/60M

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. A human poison by ingestion and inhalation. An experimental poison by ingestion and intravenous routes. Moderately toxic experimentally by intraperitoneal and subcutaneous routes. Human systemic effects by inhalation: hallucinations and distorted perceptions, nausea, vomiting, and other unspecified gastrointestinal effects. Human mutation data reported. Experimental teratogenic and reproductive effects.

Inhalation of the concentrated vapor causes dilation of the pupils with reduced reaction to light, as well as reduced intraocular pressure (experimental). In the initial stages there is a feeling of warmth of the face and body, then an irritation of the mucous membranes, conjunctiva, and skin; followed by excitation, loss of reflexes, sensation, and consciousness. Prolonged inhalation will bring on paralysis accompanied by cardiac-respiratory failure and finally death.

Chloroform has been widely used as an anesthetic. However, due to its toxic effects, this use is being abandoned. Concentrations of 68,000–82,000 ppm in air can kill most animals in a few minutes. 14,000 ppm may cause death after an exposure of from 30 to 60 minutes. 5000–6000 ppm can be tolerated by animals for 1 hour without serious disturbances. The maximum concentration tolerated for several hours or for prolonged exposure with slight symptoms is 2000–2500 ppm. Prolonged administration as an anesthetic may lead to such serious effects as profound toxemia and damage to the liver, heart, and kidneys. Experimental prolonged but light anesthesia in dogs produces a typical hepatitis.

Explosive reaction with sodium + methanol or sodium methoxide + methanol. Mixtures with sodium or potassium are impact-sensitive explosives. Reacts violently with acetone + alkali (e.g., sodium hydroxide, potassium hydroxide, or calcium hydroxide), Al, disilane, Li, Mg, methanol + alkali, nitrogen tetroxide, perchloric acid + phosphorus pentoxide, potassium-tert-butoxide, sodium methylate, NaK. Incompatible with dinitrogen tetroxide, fluorine, metals, or triisopropylphosphine. Nonflammable. When heated to decomposition it emits toxic fumes of Cl⁻.

See also CHLORINATED HYDROCARBONS, ALIPHATIC.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #05 or NIOSH: Hydrocarbons, Halogenated, 1003.

CHJ599 CAS: 29671-92-9 HR: 3
CHLOROFORMAMIDINIUM CHLORIDE

mf: CH₄Cl₂N₂ mw: 102.95

ClC(NH)⁺N⁺H₃Cl⁻

PROP: A solid. Mp: 175°.

SAFETY PROFILE: Reaction with perchloric acid forms highly explosive products. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHLORIDES.

CHJ625 CAS: 75524-40-2 HR: 3
CHLOROFORMAMIDINIUM NITRATE

mf: CH₃ClN₃O₃ mw: 140.51

SAFETY PROFILE: A powerful explosive and a strong oxidant. Mixtures with wet magnesium powder, powdered aluminum, or powdered iron ignite and then explode. Reacts violently with ammonia or amines. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also NITRATES and EXPLOSIVES.

CHJ700 CAS: 21787-81-5 HR: D
4-CHLORO-N-FORMYL-*o*-TOLUIDINE

mf: C₈H₈ClNO mw: 169.62

SYNS: FORMAMIDE, N-(4-CHLORO-2-METHYLPHENYL)- □ *o*-FORMOTOLUIDIDE, 4'-CHLORO-

TOXICITY DATA with REFERENCE:

dnr-sat 1 g/disc JESEDU 19,95,84

dnr-esc 1 g/disc JESEDU 19,95,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CHJ750 CAS: 54-31-9 HR: 3
4-CHLORO-N-FURFURYL-5-SULFAMOYL-ANTHRANILIC ACID

mf: C₁₂H₁₁ClN₂O₅S mw: 330.76

PROP: Crystals from EtOH (aq). Mp: 206°.

SYNS: AISEMIDE □ ALUZINE □ 5-(AMINOSULFURANYL)-4-CHLORO-2-((2-FURNAYLMETHYL)AMINO)BENZOIC ACID □ BERONALD □ CHLOR-N-(2-FURYL METHYL)-5-SULFAMYL ANTHRANILSAEURE (GERMAN) □ 4-CHLORO-N-(2-FURYL

METHYL)-5-SULFAMOYLANTHRANILIC ACID □ DESDEMIN □ DIURAL □ DRYPTAL □ ERROLON □ EUTENSIN □ FRUSEMIDE □ FRUSEMIN □ FRUSID □ FULSIX □ FULUVAMIDE □ FURAN THRIL □ FURANTHRYL □ FURANTRIL □ FURESIS □ FUROSE DON □ FUROSEMID □ FUROSEMIDE □ FUROSEMIDE "MITA" □ FURSEMID □ FURSEMIDE □ FUSID □ HYDRO-RAPID □ KATLEX □ LASEX □ LASIX □ LB 502 □ LOWPSTRON □ MACA SIROOL □ NCI-C55936 □ NICOROL □ PREFEMIN □ PROFEMIN □ RADONNA □ ROSEMIDE □ SALIX □ SEGURIL □ TRANSIT □ TROFURIT □ UREX □ UROSEMIDE

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 200 mg/L/24H MUREAV 66,69,79
 cyt-ham:lng 1 g/L ATSDG (4),41,80
 orl-wmn TDLo:120 mg/kg/21W-I:SYS JRSMD9 79,239,86
 ivn-man TDLo:29 mg/kg:EAR,KID NEJMAG 282,1413,70
 ivn-hmn TDLo:1300 µg/kg:CVS AIMEAS 103,1,85
 ivn-inf TDLo:1 mg/kg/4H-I:SYS ADCHAK 59,907,84
 ivn-wmn TDLo:2500 µg/kg/2M-C:BPR ICMED9 12,54,86
 orl-rat LD50:2600 mg/kg TXAPA9 18,185,71
 ipr-rat LD50:800 mg/kg APPHAX 42,199,85
 ivn-rat LD50:800 mg/kg NIIRDN 6,725,82
 orl-mus LD50:2200 mg/kg PCJOAU 19,706,85
 ivn-mus LD50:308 mg/kg ARZNAD 14,44,64
 orl-dog LD50:2000 mg/kg NIIRDN 6,725,82
 orl-rbt LD50:800 mg/kg NIIRDN 6,725,82
 ivn-rbt LD50:400 mg/kg NIIRDN 6,725,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 50,277,90; Human Inadequate Evidence IMEMDT 50,277,90; Animal Inadequate Evidence IMEMDT 50,277,90. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Human systemic effects by intravenous route: change in the sensitivity of the ear to sound, tinnitus, unspecified effects on the heart, constriction of the arteries, a decrease in urine volume, interstitial nephritis, metabolic alkalosis, pulse rate decrease, fall in blood pressure. Ingestion can damage the liver. Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

CHK000 CAS: 5857-37-4 HR: 3 CHLORO(2-FURYL)MERCURY

mf: C₄H₃ClHgO mw: 303.11
PROP: Solid from EtOH (aq). Mp: 152–153°. IDLH 10 mg/m³ (as Hg).

SYNS: CHLORO-2-FURANYL MERCURY □ 2-CHLORO-MERCURIFURAN □ 2-FURYL MERCURIC CHLORIDE □ 2-FURYL MERCURY CHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:20 mg/kg HBTXAC 5,81,59
 ivn-mus LD50:56 mg/kg CSLNX* NX#03269

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. See also MERCURY COMPOUNDS, ORGANIC. When heated to decomposition it emits very toxic fumes of Hg and Cl⁻.

CHK125 CAS: 102489-58-7 HR: 3 6'-CHLORO-2-(2-FURYLMETHYL)AMINO-o-ACETOTOLUIDIDE HYDROCHLORIDE

mf: C₁₄H₁₅ClN₂O₂•ClH mw: 315.22

SYN: C 3211

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,407,58
 ipr-rat LD50:330 mg/kg ARZNAD 8,407,58
 scu-mus LD50:2350 mg/kg ARZNAD 8,407,58

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

CHK175 CAS: 327-97-9 HR: 2 CHLOROGENIC ACID

mf: C₁₆H₁₈O₉ mw: 354.34

PROP: Needles. Mp: 208°.

SYNS: 3-CAFFEYOYLQUINIC ACID □ 3-o-CAFFEYOYLQUINIC ACID

TOXICITY DATA with REFERENCE:

mrc-smc 1 g/L MUREAV 135,109,84
 cyt-ham:ovr 250 mg/L MUREAV 111,209,83
 ipr-rat LDLo:4000 mg/kg TXAPA9 36,337,76

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.

CHK250 CAS: 13637-65-5 HR: 3 CHLOROGERMANE

mf: ClGeH₃ mw: 111.07

PROP: Liquid. D: 2.147 @ -52°, mp: -52°, bp: 28°.

SAFETY PROFILE: Reaction with ammonia forms heat-sensitive explosive products. When heated to decomposition it emits toxic fumes of Cl⁻. See also GERMANIUM COMPOUNDS.

CHK300 CAS: 10310-21-1 HR: D 6-CHLOROGUANINE

mf: C₅H₄ClN₅ mw: 169.59

SYNS: 6-CHLORO-1H-PURIN-2-AMINE □ 1H-PURIN-2-AMINE, 6-CHLORO- □ PURINE, 2-AMINO-6-CHLORO-

TOXICITY DATA with REFERENCE:

sce-ham-lng 20 mg/L/24H MUREAV 139,149,1984

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

CHK750 **CAS: 400-44-2** **HR: 3**
2-CHLORO-1,1,1,4,4,4-HEXAFLUOROBUTENE-2
 mf: C₄HClF₆ mw: 198.50

PROP: Liquid. D: 1.5482 @ 20°/4°, bp: 32.2°.

SYNS: CHFB □ 1,1,1,4,5,5-HEXAFLUORO-2-CHLORO-2-BUTENE

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:10 ppm/1H:PUL CENEAR 44,6,66

ihl-rat LC50:3 ppm/6H 34ZIAG -,310,69

SAFETY PROFILE: Poison by inhalation. Human respiratory system effects by inhalation. When heated to decomposition it emits very toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC, and FLUORIDES.

CHK800 **CAS: 422-55-9** **HR: 3**
1-CHLORO-1,1,2,2,3,3-HEXAFLUOROPROPANE
 mf: C₃HClF₆ mw: 186.49

SYN: PROPANE, 1-CHLORO-1,1,2,2,3,3-HEXAFLUORO-

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:20 pph/10M HXPHAU 20(Pt 1),459,66

SAFETY PROFILE: A poison by inhalation. When heated to decomposition it emits toxic vapors of F⁻ and Cl⁻.

CHK825 **CAS: 73803-48-2** **HR: D**
endo-4-CHLORO-N-(HEXAHYDRO-4,7-METHANOISOINDOL-2-YL)-3-SULFAMOYLBENZAMIDE

SYNS: TDS □ N-(4-AZA-endo-TRICYCLO(5.2.1.5^{2,6})-DECAN-4-YL)-4-CHLORO-3-SULFAMOYLBENZAMIDE

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

CHL000 **CAS: 73926-88-2** **HR: 3**
trans-CHLORO(2-HEXANAMIDOCYCLOHEXYL)MERCURY

mf: C₁₂H₂₂ClHgNO mw: 432.39

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: CHLORO(2-HEXANAMIDOCYCLOHEXYL)MERCURY, (E)- □ N-(2-CHLOROMERCURICYCLOHEXYL) HEXANAMIDE, (E)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#04829

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Organomercury): TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

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

CHL250 **CAS: 13654-91-6** **HR: 3**
CHLOROHEXYL ISOCYANATE
DOT: UN 2206/UN 2207/UN 2478/UN 3080
 mf: C₇H₁₀ClNO mw: 159.63

SYNS: 6-CHLOROHEXYLISOKYANAT □ ISOCYANIC ACID, 6-CHLOROHEXYL ESTER

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:60 mg/m³/4H GTPZAB 12(10),40,68

ihl-mus LC50:69 mg/m³/2H GTPZAB 12(10),40,68

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD (UN 2207); DOT Class: 6.1; Label: Poison (UN 2206); DOT Class: 6.1; Label: Poison, Flammable Liquid (UN 3080); DOT Class: 3; Label: Flammable Liquid, Poison (UN 2478)

SAFETY PROFILE: Poison by inhalation. See also THIOCYANATES and ESTERS. A flammable liquid. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CHL500 **CAS: 18979-94-7** **HR: 2**
4-CHLORO-2-HEXYLPHENOL
 mf: C₁₂H₁₇ClO mw: 212.74
SYN: 2-HEXYL-4-CHLOROPHENOL
CONSENSUS REPORTS: Chlorophenol compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data by skin contact. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHLOROPHENOLS.

CHL875 **CAS: 52340-46-2** **HR: D**
dl-α-CHLOROHYDRIN
 mf: C₃H₇ClO₂ mw: 110.55
PROP: Liquid with sweet taste. Bp: 139° @ 18 mm.
SYNS: (±)-3-CHLORO-1,2-PROPANEDIOL □ dl-3-CHLORO-1,2-PROPANEDIOL □ (±)-2,3-DIHYDROXYCHLOROPROPANE
SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

CHM000 **CAS: 615-67-8** **HR: 3**
CHLOROHYDROQUINONE
 mf: C₆H₃ClO₂ mw: 144.56
PROP: Leaflets from CHCl₃; needles from toluene. Mp: 106°, bp: 263°.

TOXICITY DATA with REFERENCE:

orl-rat LDLo:200 mg/kg KODAK* 21MAY71

skn-rat LDLo:500 mg/kg KODAK* 21MAY71

ipr-rat LDLo:100 mg/kg KODAK* 21MAY71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORIDES.

CHM500 **CAS: 13442-11-0** **HR: 2**
5-CHLORO-4-(HYDROXYAMINO)QUINOLINE-1-OXIDE

mf: C₉H₇ClN₂O₂ mw: 210.63

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

CHM750 CAS: 14076-05-2 HR: 2
6-CHLORO-4-(HYDROXYAMINO)QUINOLINE-1-OXIDE

mf: C₉H₇ClN₂O₂ mw: 210.63

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

CHN000 CAS: 13442-12-1 HR: 2
7-CHLORO-4-(HYDROXYAMINO)QUINOLINE-1-OXIDE

mf: C₉H₇ClN₂O₂ mw: 210.63

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

CHN100 CAS: 82211-24-3 HR: 2
4'-CHLORO-2'-(α-HYDROXYBENZYL)-ISONICOTINANILIDE

mf: C₁₉H₁₅ClN₂O₂ mw: 338.81

SYNS: CGR-811 □ N-(4-CHLORO-2-(HYDROXYPHENYL METHYL)PHENYL)-4-PYRIDINECARBOXAMIDE □ INABENFIDE □ 4-PYRIDINECARBOXAMIDE, N-(4-CHLORO-2-(HYDROXY PHENYLMETHYL)PHENYL)- □ SERITARD

TOXICITY DATA with REFERENCE:

orl-rat LD50:>15 g/kg NNGADV 15,283,90
 ihl-rat LC50:>457 mg/m³/4H NNGADV 13,391,88
 skn-rat LD50:>5 g/kg NNGADV 15,283,90
 ipr-rat LD50:>5 g/kg NNGADV 15,283,90
 scu-rat LD50:>5 g/kg NNGADV 15,283,90
 orl-mus LD50:>15 g/kg NNGADV 15,283,90
 skn-mus LD50:>5 g/kg NNGADV 15,283,90
 ipr-mus LD50:>5 g/kg NNGADV 15,283,90
 scu-mus LD50:>5 g/kg NNGADV 15,283,90

SAFETY PROFILE: Moderately toxic by inhalation. Low toxicity by ingestion and skin contact.

CHN500 CAS: 92-04-6 HR: 2
3-CHLORO-4-HYDROXYBIPHENYL

mf: C₁₂H₉ClO mw: 204.66

PROP: White flakes or prisms. Bp: 322° (decomp), fp: 74.2°, flash p: 345°F, d: <1, mp: 76–76.5°.

SYNS: 3-CHLOR-4-HYDROXYBIFENYL (CZECH) □ 3-CHLORO-4-HYDROXYDIPHENYL □ 2-CHLORO-4-PHENYLPHENOL □ DOWICIDE 4 □ 4-PHENYL-2-CHLOROPHENOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,82,72
 eye-rbt 50 µg/24H SEV 28ZPAK -,82,72

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

SAFETY PROFILE: A severe eye and mild skin irritant. A pesticide. Combustible when exposed to heat or flame. To fight fire, use alcohol foam, CO₂, dry chemical.

When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROPHENOLS.

CHN750 CAS: 24579-91-7 HR: 2
CHLORO(2-HYDROXY-3,5-DINITROPHENYL) MERCURY

mf: C₆H₃ClHgN₂O₅ mw: 419.15

PROP: IDLH 10 mg/m³ (as Hg).

SYN: 2-(CHLOROMERCURI)-4,6-DINITROPHENOL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg NCNSA6 5,37,53

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Moderately toxic by ingestion. See also MERCURY COMPOUNDS, ORGANIC. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and Hg.

CHO125 CAS: 94-87-1 HR: 3
2-CHLORO-N-(2-HYDROXYETHYL)ANILINE

mf: C₈H₁₀ClNO mw: 171.63

ClC₆H₄NHC₂H₄OH

SAFETY PROFILE: Potentially explosive decomposition above 210°C, catalyzed by the presence of mild steel. This reaction has caused a violent explosion during an industrial scale distillation. Upon decomposition it emits toxic fumes of Cl⁻, HCl, and NO_x.

Decomposition also produces primary amines, ethylene, methane, carbon monoxide, and carbon dioxide. See also ANILINE DYES.

CHO250 CAS: 55477-27-5 HR: 3
4-CHLORO-6-(2-HYDROXYETHYLPIPERAZINO-2-METHYLAMINO-5)-METHYLTHIO-PYRIMIDINE

mf: C₁₂H₂₀ClN₅OS mw: 317.88

TOXICITY DATA with REFERENCE:

orl-mus LD50:525 mg/kg JMCMA 18,553,75

ivn-mus LD50:124 mg/kg JMCMA 18,553,75

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

CHO750 CAS: 538-04-5 HR: 3
2-CHLORO-4-(HYDROXY MERCURI)PHENOL

mf: C₆H₅ClHgO₂ mw: 345.15

PROP: Insol solid. Contains 20% mercury (27ZTAP 3,36,69). IDLH 10 mg/m³ (as Hg).

SYNS: (3-CHLORO-4-HYDROXYPHENYL)HYDROXY-MERCURY □ SEMESAN

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:25 mg/kg JPETAB 31,87,27

CONSENSUS REPORTS: Mercury and its compounds and chlorophenol compounds are on the Community Right-To-Know List.**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Poison by ingestion, inhalation, intraperitoneal, and intravenous routes. See also MERCURY COMPOUNDS and CHLOROPHENOLS. When heated to decomposition it emits very toxic fumes of Cl⁻ and Hg.**CHO775 CAS: 2832-19-1 HR: D
2-CHLORO-N-HYDROXYMETHYLACETAMIDE**mf: C₃H₆ClNO₂ mw: 123.55**SYNS:** ACETAMIDE, 2-CHLORO-N-HYDROXYMETHYL- □ CHLORACETAMIDE-N-METHOOL**CONSENSUS REPORTS:** EPA FIFRA 1988 pesticide subject to registration or re-registration.

mic-esc 60 mmol/L MUREAV 210,255,1989

cyt-hmn-lym 50 mg/L MUREAV 156,19,1985

mnt-ipr-mus 144 mg/kg MUREAV 156,19,1985

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CHO800 CAS: 14745-61-0 HR: 3
3-CHLORO-7-HYDROXY-4-METHYLCOUMARIN
BIS(4-CHLOROBUTYL)PHOSPHATE**mf: C₁₈H₂₂Cl₃O₆P mw: 471.72**SYNS:** COUMARIN, 3-CHLORO-7-HYDROXY-4-METHYL-, BIS(4-CHLOROBUTYL)PHOSPHATE □ PHOSPHORIC ACID, BIS(4-CHLOROBUTYL)-3-CHLORO-4-METHYL-2-OXO-2H-1-BENZO PYRAN-7-YL ESTER (9CI)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>100 mg/kg BCPA6 16,1183,67

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of PO_x and Cl⁻.**CHO850 CAS: 14663-70-8 HR: 2
3-CHLORO-7-HYDROXY-4-METHYLCOUMARIN
BIS(2,3-DICHLOROPROPYL)PHOSPHATE**mf: C₁₆H₁₆Cl₅O₆P mw: 512.54**SYNS:** COUMARIN, 3-CHLORO-7-HYDROXY-4-METHYL-, BIS(2,3-DICHLOROPROPYL)PHOSPHATE □ PHOSPHORIC ACID, BIS(2,3-DICHLOROPROPYL)-3-CHLORO-4-METHYL-2-OXO-2H-1-BENZOPYRAN-7-YL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>1200 mg/kg BCPA6 16,1183,67

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of PO_x and Cl⁻.**CHP250 CAS: 303-47-9 HR: 3
(-)-N-((5-CHLORO-8-HYDROXY-3-METHYL-1-
OXO-7-ISOCROMANYL)CARBONYL)-3-
PHENYLALANINE**mf: C₂₉H₁₈ClNO₆ mw: 403.84**PROP:** Crystals from xylene. Mp: 169°.**SYNS:** (R)N-((5-CHLORO-3,4-DIHYDRO-8-HYDROXY-3-METHYL-1-OXO-1H-2-BENZOPYRAN-7-YL))PHENYLALANINE

□ NCI-C56586 □ OCHRATOXIN A

TOXICITY DATA with REFERENCE:

cyt-mky:kdy 20 mg/L TXAPA9 32,198,75

orl-rat LD50:20 mg/kg FCTXAV 6,479,68

ipr-rat LD50:12,600 µg/kg ARCVBP 5(2),233,74

ivn-rat LD50:12,750 µg/kg ARCVBP 5(2),233,74

orl-mus LD50:46 mg/kg TOLED5 25,1,85

ipr-mus LD50:22 mg/kg APTOA6 2,109,46

ivn-mus LD50:25,710 µg/kg ARCVBP 5(2),233,74

orl-dog LD50:200 µg/kg CRTXB2 2,499,74

orl-pig LD50:1 mg/kg CRTXB2 2,499,74

orl-ckn LD50:3300 µg/kg APMBAY 21,492,71

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 56,489,93; Animal Limited Evidence IMEMDT 31,191,83; Animal Sufficient Evidence IMEMDT 56,489,93; Human Inadequate Evidence IMEMDT 31,191,83; Human Inadequate Evidence IMEMDT 56,489,93.**SAFETY PROFILE:** Confirmed carcinogen with carcinogenic and neoplastigenic data. Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Experimental teratogenic and reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CHP375 HR: D
6-CHLORO-17-α-HYDROXY-16-α-METHYL
PREGNA-4,6-DIENE-3,20-DIONE**mf: C₂₄H₃₁ClO₄ mw: 419.00**SYN:** 6-CHLORO-16-α-METHYL-Δ⁶-DEHYDRO-17-α-ACETOXY PROGESTERONE**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.**CHP500 CAS: 5160-02-1 HR: 2
5-CHLORO-2-((2-HYDROXY-1-NAPHTHYL)AZO)-
p-TOLUENE SULFONIC ACID, BARIUM
SALT**mf: C₁₇H₁₂ClN₂O₄S•1/2Ba mw: 444.49**SYNS:** BRIGHT RED □ BRILLIANT RED □ BRILLIANT SCARLET □ BRILLIANT TONER Z □ BRONZE RED RO □ BRONZE SCARLET □ 5-CHLORO-2-((2-HYDROXY-1-NAPHTH ALENYL)AZO)-4-METHYLBENZENE SULFONIC ACID, BARIUM SALT (2:1) □ 5-CHLORO-2-((2-HYDROXY-1-NAPHTHALENYL) AZO)-4-METHYLBENZENE SULFONIC ACID, BARIUM SALT □ 1-(4-CHLORO-*o*-SULFO-5-TOLYL)AZO-2-NAPHTHOL, BARIUM SALT □ C.I. PIGMENT RED □ COSMETIC CORAL RED KO BLUISH □ DAINICHI LAKE RED C □ D&C RED No. 9 □

DESERT RED □ ELJON LAKE RED C □ HAMILTON RED □
HELIO RED TONER LCLL □ IRGALITE RED CBN □ ISOL
LAKE RED LCS 12527 □ LAKE RED C □ LATEXOL SCARLET R
□ LD RUBBER RED 16913 □ LUTETIA RED CLN □ MICROTUX
LAKE RED CR □ MOHICAN RED A-8008 □ NCI-C53792 □ No. 3
CONC. SCARLET □ PARIDINE RED LCL □ PIGMENT RED CD
□ POTOMAC RED □ RECOLITE RED LAKE C □ 1860 RED □
RED SCARLET □ SANYO LAKE RED C □ SEGNALE RED LC □
SICO LAKE RED 2L □ SUPEROL RED C RT-265 □ SYMULER
LAKE RED C □ TERMO SOLIDO RED LCG □ TEXAN RED
TONER D □ TONER LAKE RED C □ TRANSPARENT BRONZE
SCARLET □ VULCAFIX SCARLET R □ VULCAN RED LC □
VULCOL FAST RED L □ WAYNE RED X-2486

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/plate SCIEAS 236,933,87

CONSENSUS REPORTS: IARC Cancer Review:
Group 3 IMEMDT 57,203,93; Animal Inadequate
Evidence IMEMDT 8,107,75; Human No Adequate Data
IMEMDT 8,107,75; Human Inadequate Evidence
IMEMDT 57,203,93. NTP Carcinogenesis Bioassay
(feed); Clear Evidence: rat NTPTR* NTP-TR-225,82; No
Evidence: mouse NTPTR* NTP-TR-225,82. Reported in
EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with
experimental carcinogenic and tumorigenic data. Mutation
data reported. When heated to decomposition it emits
very toxic fumes of SO_x, NO_x, and Cl⁻. See also
SULFONATES.

CHP750 CAS: 3124-93-4 HR: 2
21-CHLORO-17-HYDROXY-19-NOR-17-α-
PREGNA-4,9-DIEN-20-YN-3-ONE

mf: C₂₀H₂₃ClO₂ mw: 330.88

PROP: A solid. Mp: 151°.

SYNS: 17-α-CHLOROETHYNYL-17-β-HYDROXYESTRA-4,9-
DIEN-3-ONE □ 17-α-CHLOROETHYNYL-17-β-HYDROXY-19-
NOR-4,9-ANDROSTADIEN-3-ONE □ 17-α-CHLOROETHYNYL-
19-NOR-4,9-ANDROSTADIEN-17-β-OL-3-ONE □ ETHYNERONE
□ MK 665

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

CHQ000 CAS: 101652-00-0 HR: 3
7-CHLORO-10-(2-HYDROXY-3-PIPERIDINO
PROPYL)ISOALLOXAZINE SULFATE

mf: C₁₈H₂₀ClN₃O₃•H₂O₄S mw: 487.96

TOXICITY DATA with REFERENCE:

ipr-rat LD50:38 mg/kg CMTRAG 2,96,61

scu-mus LD50:60 mg/kg CMTRAG 2,96,61

ivn-mus LD50:115 mg/kg CMTRAG 2,96,61

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

CHQ250 HR: 3
3-CHLORO-2-HYDROXYPROPYL PERCHLOR-
ATE

mf: C₃H₆Cl₂O₅ mw: 192.99

ClCH₂CH(OH)CH₂OCIO₃

SAFETY PROFILE: Explodes violently when shaken.
Upon decomposition it emits toxic fumes of Cl⁻. See also
PERCHLORATES.

CHQ300 CAS: 3327-22-8 HR: 2
(3-CHLORO-2-HYDROXYPROPYL)TRIMETHYL
AMMONIUM CHLORIDE

mf: C₆H₁₅ClNO•Cl mw: 188.12

SYN: AMMONIUM, (3-CHLORO-2-
HYDROXYPROPYL)TRIMETHYL-, CHLORIDE

TOXICITY DATA with REFERENCE:

scu-mus LDLo:500 mg/kg JPETAB 1,303,09

CONSENSUS REPORTS: Reported in EPA TSCA
Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous
route. When heated to decomposition it emits toxic
vapors of NO_x and Cl⁻.

CHQ400 CAS: 41787-75-1 HR: D
CHLOROHYSSOPIFOLIN C

mf: C₁₉H₂₃ClO₇ mw: 398.87

SYNS: ACROPTILIN □ PROPANOIC ACID, 3-CHLORO-2-
HYDROXY-2-METHYL-, DECAHYDRO-8-HYDROXY-3,6-
BIS(METHYLENE)-2-OXOSPIRO(AZULENO(4,5-B)FURAN-
9(2H),2'-OXIRAN)-4-YL ESTER, (3ar-(3A-α,4-α(S*),6A-α, 8-β,9-α,9A-
α,9B-β))-

TOXICITY DATA with REFERENCE:

dni-mus ast 1 mg/L PLMEAA 40,179,1980

uns-mus ast 5 mg/L PLMEAA 40,179,1980

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

CHQ500 CAS: 637-61-6 HR: 3
4-CHLOROIMINO-2,5-CYCLOHEXADIENE-1-
ONE

mf: C₆H₄ClNO mw: 141.56

O:C₆H₄:NCl

PROP: Yellow crystals from pet ether. Mp: 86°. Sltly sol
in cold H₂O; sol in hot H₂O, EtOH, Et₂O, C₆H₆, and
CHCl₃.

SYN: QUINONE CHLORIMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:12 mg/kg JMCMAR 21,11,78

CONSENSUS REPORTS: Reported in EPA TSCA
Inventory.

SAFETY PROFILE: Poison by intraperitoneal route.
Explodes on heating. Upon decomposition it emits toxic
fumes of Cl⁻.

CHQ750 CAS: 537-45-1 HR: 3
4-CHLOROIMINO-2,6-DIBROMO-2,5-CYCLO
HEXADIENE-1-ONE

mf: C₆H₂Br₂ClNO mw: 299.36

HC=CBrCo•CBr=CHC:NCl

PROP: Yellow crystals from pet ether. Mp: 85–86°. Sol
in EtOH, CHCl₃, Me₂CO, and Et₂O.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:63 mg/kg JMCMAR 21,11,78

CONSENSUS REPORTS: Reported in EPA TSCA
Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. A storage hazard. May explode at room temperature. Explodes when heated above 50°C. When heated to decomposition it emits very toxic fumes of Br⁻, Cl⁻, and NO_x.

CHR000 CAS: 101-38-2 HR: 3
4-CHLOROIMINO-2,6-DICHLORO-2,5-CYCLO
HEXADIENE-1-ONE

mf: C₆H₂Cl₃NO mw: 210.44



PROP: Yellow needles from EtOH. Mp: 66.5–66.7°.

SYNS: 2,6-DICHLOROQUINONE CHLOROIMIDE □ N,2,6-TRICHLORO-p-BENZOQUINONE IMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:20 mg/kg JMCMA 21,11,78

ivn-mus LD50:56 mg/kg CSLNX* NX#00254

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. A storage hazard. It may explode at room temperature. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CHR200 CAS: 109322-04-5 HR: 1
2-CHLORO-6H-INDOLO(2,3-B)QUINOXALINE-6-
ACETIC ACID ((3,4-DIMETHOXYPHENYL)
METHYLENE)HYDRAZIDE

mf: C₂₅H₂₀ClN₅O₃ mw: 473.95

SYN: 6H-INDOLO(2,3-B)QUINOXALINE-6-ACETIC ACID, 2-CHLORO-, ((3,4-DIMETHOXYPHENYL)METHYLENE)HYDRAZIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:>1 g/kg IJOCA 25,1234,86

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

CHR325 CAS: 25604-71-1 HR: 3
CHLOROiodoACETYLENE

mf: C₂ClI mw: 186.38

SYN: CHLOROiodoETHYNE

SAFETY PROFILE: A very unstable, explosive material. When heated to decomposition it emits toxic fumes of Cl⁻ and I⁻. See also ACETYLENE COMPOUNDS and EXPLOSIVES.

CHR400 CAS: 109-71-7 HR: 3
3-CHLORO-1-iodOPROPYNE

mf: C₃H₂ClI mw: 200.41

SAFETY PROFILE: Reacts explosively with air when heated to 47°C. When heated to decomposition it emits toxic fumes of Cl⁻ and I⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

CHR500 CAS: 130-26-7 HR: 3
5-CHLORO-7-iodO-8-QUINOLINOL

mf: C₉H₅ClINO mw: 305.50

PROP: Brownish-yellow powder, darkens when exposed to light. Sltly sol in Et₂O.

SYNS: ALCHLOQUIN □ AMEBIL □ AMOENOL □ BACTOL □ BARQUINOL □ BUDOFORM □ CHINOFORM □ 5-CHLOR-7-JOD-8-HYDROXY-CHINOLIN (GERMAN) □ 5-CHLORO-8-HYDROXY-7-iodOQUINOLINE □ 5-CHLORO-7-iodO-8-HYDROXY QUIN OLINE □ CHLOROiodOQUINE □ CLIOQUINOL □ CLIQUINOL □ ECZECIDIN □ EMAFORM □ ENTERO-BIO FORM □ ENTERO QUINOL □ ENTEROSEPTOL □ ENTERO-VIOFORM □ ENTER OZOL □ ENTERUM LOCORTEN □ ENTROKIN □ HI-ENTEROL □ HYDRIODIDE-ENTROL □ IODENTEROL □ IODO CHLOR HYDROXY-QUINOL □ IODOCHLORHYDROXYQUINOLINE □ 7-iodO-5-CHLORO-8-HYDROXYQUINOLINE □ 7-iodO-5-CHLOROXINE □ IODO ENTEROL □ NIOFORM □ QUINAMBICIDE □ ROMETIN □ VIOFORM □ VIOFORM N.N.R.

TOXICITY DATA with REFERENCE:

sln-asn 1 g/L MUREAV 26,159,74

dnd-hmn:hla 40 μmol/L ANYAA9 284 525,77

orl-rat TDLo:528 mg/kg (7-17D preg):REP OYYAA2 14,211,77

orl-rat TDLo:1320 mg/kg (7-17D preg):TER OYYAA2 14,211,77

orl-wmn TDLo:11 g/kg/36W:EYE LANCAO 1,1015,72

orl-hmn TDLo:1400 mg/kg/20D-I:BRN JJMCAQ 24,195,71

ipr-rat LD50:3400 mg/kg OYYAA2 14,75,77

orl-mus LD50:69 mg/kg ATSDUG 2,371,79

orl-cat LD50:400 mg/kg AJTMAQ 24,29,44

orl-rbt LDLo:250 mg/kg JAMAAP 100,1658,33

orl-gpg LDLo:175 mg/kg AJTMAQ 24,29,44

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

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal route. Human systemic effects by ingestion: change in central nervous system electrical function, optic nerve damage, and changes in vision. Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻, I⁻, and NO_x.

CHR700 CAS: 109651-74-3 HR: 3
3'-CHLORO-2-ISOBUTYLAMINO-p-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₉ClN₂O•ClH mw: 291.25

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD JAPMA8 49,80,60

ipr-mus LD50:75 mg/kg JAPMA8 49,80,60

scu-mus LD50:225 mg/kg JAPMA8 49,80,60

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

CHR750 CAS: 102489-59-8 HR: 3
6'-CHLORO-2-(ISOBUTYLAMINO)-o-ACETO
TOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₉ClN₂O•ClH mw: 291.25

SYN: C 3156

TOXICITY DATA with REFERENCE:

ipr-rat LD50:345 mg/kg ARZNAD 8,407,58

ipr-mus LD50:390 mg/kg ARZNAD 8,407,58

ivn-mus LD50:143 mg/kg AACHAX-727,1966

SAFETY PROFILE: A poison by intraperitoneal and intravenous route. Moderately toxic by subcutaneous and ingestion routes. When heated to decomposition it emits toxic vapors of NO_x, SO_x, HCl, and Cl⁻.

CHU100 CAS: 615-48-5 HR: 3
5-CHLORO-2-MERCAPTOANILINE HYDROCHLORIDE

mf: C₆H₆ClNS•ClH mw: 196.10

SYN: ANILINE, 5-CHLORO-2-MERCAPTO-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#00461

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x, SO_x, HCl, and Cl⁻.

CHU500 CAS: 59-85-8 HR: 3
p-CHLOROMERCURIC BENZOIC ACID

mf: C₇H₅ClHgO₂ mw: 357.16

PROP: A solid. Mp: 273°.

SYNS: (p-CARBOXYPHENYL)CHLOROMERCURY □ p-(CHLORO MERCURI)BENZOIC ACID □ USAF D-3

TOXICITY DATA with REFERENCE:

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

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and Hg.

CHU750 CAS: 73940-90-6 HR: 3
N-(CHLOROMERCURI)FORMANILIDE

mf: C₇H₆ClHgNO mw: 356.18

PROP: IDLH 10 mg/m³ (as Hg).

SYN: CHLORO(N-PHENYLFORMAMIDO)MERCURY

TOXICITY DATA with REFERENCE:

ivn-mus LD50:32 mg/kg CSLNX* NX#05982

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

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

CHV250 CAS: 3477-28-9 HR: 3
3-(3-CHLOROMERCURI-2-METHOXY-1-PROPYL)-5,5-DIMETHYLHYDANTOIN

mf: C₉H₁₅ClN₂O₃Hg mw: 435.21

PROP: IDLH 10 mg/m³ (as Hg).

SYN: CHLORO((3-(5,5-DIMETHYL-2,4-DIOXO-3-IMIDAZOLIDINYL)-2-METHOXY)PROPYL)MERCURY

TOXICITY DATA with REFERENCE:

orl-mus LD50:346 mg/kg JMPCAS 5,168,62

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

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

CHV500 CAS: 3367-32-6 HR: 2
1-(3-CHLOROMERCURI-2-METHOXY)PROPYL HYDANTOIN

mf: C₇H₁₀ClHgN₂O₃ mw: 406.23

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: 1-(3-CHLOROMERCURI-2-METHOXY-1-PROPYL)-HYDANTOIN □ 1-(3-(CHLOROMERCURY)-2-METHOXY-PROPYL) HYDANTOIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:1580 mg/kg AIPTAK 149,415,64

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Moderately toxic by ingestion. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and Hg.

CHV750 CAS: 3367-29-1 HR: 3
3-(3-CHLOROMERCURI-2-METHOXY-1-

PROPYL) HYDANTOINmf: C₇H₁₁ClHgN₂O₃ mw: 407.24**PROP:** IDLH 10 mg/m³ (as Hg).**SYN:** CHLORO(3-(2,4-DIOXO-3-IMIDAZOLIDINYL)-2-METHOXY)PROPYL)MERCURY**TOXICITY DATA with REFERENCE:**

orl-mus LD50:358 mg/kg JMPCAS 5,168,62

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Poison by ingestion. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and Hg.**CHW000 CAS: 67465-39-8 HR: 3****1-(3-CHLOROMERCURI-2-METHOXY-1-PROPYL)-3-METHYLHYDANTOIN**mf: C₈H₁₃ClHgN₂O₃ mw: 421.27**PROP:** IDLH 10 mg/m³ (as Hg).**SYN:** CHLORO(3-(2,4-DIOXO-3-METHYL-1-IMIDAZOLIDINYL)-2-METHOXY)PROPYL)MERCURY**TOXICITY DATA with REFERENCE:**

orl-mus LD50:298 mg/kg JMPCAS 5,168,62

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Poison by ingestion. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, Hg, and NO_x.**CHW250 CAS: 3367-28-0 HR: 3****3-(3-CHLOROMERCURI-2-METHOXY-1-PROPYL)-1-METHYLHYDANTOIN**mf: C₈H₁₃ClHgN₂O₃ mw: 421.27**PROP:** IDLH 10 mg/m³ (as Hg).**SYNS:** CHLORO(3-(2,4-DIOXO-1-METHYL-3-IMIDAZOLIDINYL)-2-METHOXY)PROPYL)MERCURY □ 3-(3-(CHLORO-MERCURI)-2-METHOXYPROPYL)-1-METHYLHYDANTOIN**TOXICITY DATA with REFERENCE:**

orl-mus LD50:264 mg/kg JMPCAS 5,168,62

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Organomercury): TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)**SAFETY PROFILE:** Poison by ingestion. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and Hg.**CHW500 CAS: 3367-30-4 HR: 3**
5-(3-CHLOROMERCURI-2-METHOXY-1-PROPYL)-3-METHYLHYDANTOINmf: C₇H₁₁ClHgN₂O₃ mw: 407.24**PROP:** IDLH 10 mg/m³ (as Hg).**SYN:** CHLORO(3-(2,4-DIOXO-3-METHYL-5-IMIDAZOLIDINYL)-2-METHOXY)PROPYL)MERCURY**TOXICITY DATA with REFERENCE:**

orl-mus LD50:715 mg/kg JMPCAS 5,168,62

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** A poison. Moderately toxic by ingestion. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and Hg.**CHW675 CAS: 90-03-9 HR: 3**
o-CHLOROMERCURIPHENOLmf: C₆H₅ClHgO mw: 329.15**PROP:** Crystals from H₂O. Mp: 152.5°. IDLH 10 mg/m³ (as Hg).**SYNS:** CHLORO(o-HYDROXYPHENYL)MERCURY □ o-HYDROXYFENYLMERKURICHLORID □ o-HYDROXYPHENYL MERCURIC CHLORIDE □ MERCUFENOL CHLORIDE □ MERCURY, CHLORO(2-HYDROXYPHENYL)- □ MYRINGACINE DROPS □ PHENOL, o-(CHLOROMERCURI)- □ SALICRESIN FLUID □ U-7743 □ USPULUM**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:100 mg/kg NCNSA6 5,36,53

ipr-rat LDLo:25 mg/kg NCNSA6 5,36,53

ipr-mus LDLo:48 mg/kg JPETAB 31,87,27

scu-mus LD50:36 mg/kg HBTXAC 5,114,59

ivn-mus LD50:23 mg/kg HBTXAC 5,114,59

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. An antiseptic. See also MERCURY COMPOUNDS, ORGANIC; and CHLOROPHENOLS. When heated to decomposition it emits toxic fumes of Cl⁻ and Hg.

CHW750 CAS: 623-07-4 HR: 3
p-CHLOROMERCURIPHENOL

mf: C₆H₅ClHgO mw: 329.15

PROP: Plates from Me₂CO. Mp: 226–227°. IDLH 10 mg/m³ (as Hg).

SYNS: CHLORO(*p*-HYDROXYPHENYL)MERCURY □ *p*-(CHLORO MERCURI)PHENOL

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:50 mg/kg NCNSA6 5,36,53

ipr-mus LDLo:55 mg/kg JPETAB 31,87,27

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of Cl⁻ and Hg. See also MERCURY COMPOUNDS, ORGANIC; and CHLOROPHENOLS.

CHX250 CAS: 62-37-3 HR: 3
CHLOROMERODRIN

mf: C₅H₁₁ClHgN₂O₂ mw: 367.22

PROP: Air and light-stable crystals from EtOH. Mp: 152–153°. Sltly sol in H₂O and MeOH. IDLH 10 mg/m³ (as Hg).

SYNS: (3-((AMINOCARBONYL)AMINO)-2-METHOXYPROPYL)CHLOROMERCURY □ CHLORMEROPRIN □ (3-(CHLORO MERCURI)-2-METHOXYPROPYL)UREA □ 1-(3-(CHLORO MERCURI)-2-METHOXYPROPYL)UREA □ CHLOROMERIDIN □ CHLOROMERODRIN □ DIURONE □ HG-203 □ KATONIL □ MERCLORAN □ MERCORAL □ MERILID □ (2-METHOXY PROPYL)UREA, MERCURY COMPLEX □ NEOHYDRIN □ ORICUR □ PERCAPYL □ PROMERAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:150 mg/kg TXAPA9 18,185,71

orl-mus LD50:215 mg/kg AIPTAK 143,181,63

ipr-mus LDLo:62,500 µg/kg CBCCT* 5,144,53

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Organomercury): TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. A diuretic. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and Hg.

CHX750 HR: 3
CHLOROMETHANE mixed with DICHLORO-METHANE

SYN: METHYL CHLORIDE–METHYLENE CHLORIDE MIXTURE

SAFETY PROFILE: Flammable when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻.

CHY000 CAS: 3518-65-8 HR: 3
CHLOROMETHANE SULFONYL CHLORIDE

mf: CH₂Cl₂O₂S mw: 148.99

PROP: Liquid. Bp: 80–81° @ 25 mm.

SYNS: CHLORID KYSELINY CHLORMETHANSULFONOVE (CZECH) □ CHLORMETHANSULFOCHLORID (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,198,72

eye-rbt 50 µg/24H SEV 28ZPAK -,198,72

orl-rat LD50:372 mg/kg 28ZPAK -,198,72

SAFETY PROFILE: Poison by ingestion. A severe skin and eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

CHY250 CAS: 148-65-2 HR: 3
CHLOROMETHAPYRILENE

mf: C₁₄H₁₈ClN₃S mw: 295.86

PROP: Bp: 155–156° @ 10 mm.

SYNS: CHLOROPYRILENE □ CHLOROTHEN □ 2-((5-CHLORO-2-THENYL)(2-DIMETHYLAMINOETHYL)-AMINO)-PYRIDINE □ CHLOROTHENYLPYRAMINE □ N,N-DIMETHYL-N'-(2-PYRIDYL)-N'-(5-CHLORO-2-THENYL)-ETHYLENEDI-AMINE □ ETHYLENEDI AMINE, N-(5-CHLORO-2-THENYL)-N',N'-DIMETHYL-N-2-PYRIDYL- □ NCI-C60559 □ PYRITHEN □ TAGATHEN □ 2-THENYLAMINE, 5-CHLORO-N-(2-(DIMETHYL-AMINO)ETHYL)-N-2-PYRIDYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:105 mg/kg JPETAB 96,388,49

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

CHY750 CAS: 63074-03-3 HR: D
2-((3-((6-CHLORO-2-METHOXY-9-ACRIDINYL)AMINO))PROPYL)ETHYLAMINOETHANOL

DIHYDROCHLORIDEmf: $C_{21}H_{26}ClN_3O_2 \cdot 2ClH$ mw: 460.87

SYN: ICR 170-OH

TOXICITY DATA with REFERENCE:

mmo-sat 100 nmol/plate CRNGDP 3,187,82

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CIA000 CAS: 116-80-3 HR: 2
N-(5-CHLORO-4-METHOXYANTHRAQUINONYL)
BENZAMIDE**mf: $C_{22}H_{14}ClNO_4$ mw: 391.82

SYN: 1-BENZOYLAMINO-4-METHOXY-5-CHLORANTHRACHINON (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,90,72

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CIB500 CAS: 5185-84-2 HR: 3
CHLORO(trans-2-METHOXYCYCLOOCTYL)
MERCURY**mf: $C_9H_{17}ClHgO$ mw: 377.30**PROP:** IDLH 10 mg/ m^3 (as Hg).**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:14 mg/kg CSLNX* NX#02812

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/ m^3 (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/ m^3 (skin); BEI: 35 $\mu g/g$ creatinine total inorganic mercury in urine preshift; 15 $\mu g/g$ 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/ m^3 ; STEL 0.03 mg/ m^3 (skin)**SAFETY PROFILE:** Poison by intravenous route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and Hg.**CIB625 CAS: 4222-27-9 HR: 3
3-CHLORO-3-METHOXYDIAZIRINE**mf: $C_2H_3ClN_2O$ mw: 106.51**SAFETY PROFILE:** The liquid is a dangerously unstable explosive. Upon decomposition it emits toxic fumes of Cl^- and NO_x . See also EXPLOSIVES.**CIB650 CAS: 78194-09-9 HR: 2
2-CHLORO-N-(2-METHOXY-3,6-DIMETHYL-
PHENYL)-N-((1-METHYLETHOXY)METHYL)-
ACETAMIDE**mf: $C_{15}H_{22}ClNO_3$ mw: 299.83

SYNS: ACETAMIDE, 2-CHLORO-N-(2-METHOXY-3,6-DIMETHYLPHENYL)-N-((1-METHYLETHOXY)METHYL)- □ CP 89141

TOXICITY DATA with REFERENCE:

orl-rat LD50:1730 mg/kg NTIS** OTS0539049

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CIB700 CAS: 91-38-3 HR: 3
4-CHLORO-N-(p-METHOXYPHENYL) ANTHR-
ANILIC ACID**mf: $C_{14}H_{12}ClNO_3$ mw: 277.72

SYN: 5-CHLORO-4-METHOXYDIPHENYLAMINE-2-CARBOXYLIC ACID

TOXICITY DATA with REFERENCE:

orl-mus LD50:450 mg/kg QJPPAL 21,10,48

ipr-mus LD50:150 mg/kg QJPPAL 21,10,48

scu-mus LD50:250 mg/kg QJPPAL 21,10,48

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .**CIB725 CAS: 4222-26-8 HR: 3
CHLORO-(4-METHOXYPHENYL) DIAZIRINE**mf: $C_8H_7ClN_2O$ mw: 182.61**SAFETY PROFILE:** Explodes at room temperature. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .**CIC000 CAS: 73926-89-3 HR: 3
CHLORO(2-(3-METHOXYPROPIONAMIDO)
CYCLOHEXYL)MERCURY**mf: $C_{10}H_{18}ClHgNO_2$ mw: 420.33**PROP:** IDLH 10 mg/ m^3 (as Hg).

SYN: N-(2-CHLOROMERCURICYCLOHEXYL)PROPIONAMIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#04831

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/ m^3 (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/ m^3 (skin); BEI: 35 $\mu g/g$ creatinine total inorganic mercury in urine preshift; 15 $\mu g/g$ 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/ m^3 ; STEL 0.03 mg/ m^3 (skin)**SAFETY PROFILE:** Poison by intravenous route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- , Hg, and NO_x .**CIC500 CAS: 99999-42-5 HR: 3
7-CHLORO-8-METHOXY-10-(2-PYRROLIDINYL-
ETHYL)ISOALLOXAZINE ACETATE**mf: $C_{17}H_{18}ClN_5O_3 \cdot C_2H_4O_2$ mw: 435.91**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:155 mg/kg CMTRAG 2,96,61

scu-mus LD50:1000 mg/kg CMTRAG 2,96,61

ivn-mus LD50:105 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

C1C600 CAS: 7159-34-4 HR: 2
2-CHLORO-6-METHOXY-4-(TRICHLORO-METHYL)PYRIDINE

mf: $\text{C}_7\text{H}_5\text{Cl}_4\text{NO}$ mw: 260.93

SYNS: DOWCO 269 □ LORVEK □ M 4109 □ NURELLE □ 4-PICOLINE, 2-CHLORO-6-METHOXY- α - α -TRICHLORO- □ PYROXYCHLOR

TOXICITY DATA with REFERENCE:

orl-rat LD50:1500 mg/kg 85AREA 4,116,76/77

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

C1D000 CAS: 59177-62-7 HR: 3
2-CHLORO-N-METHYL-1-ADAMANTANE METHANAMINE HYDROCHLORIDE

mf: $\text{C}_{12}\text{H}_{20}\text{ClN}\cdot\text{ClH}$ mw: 250.24

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg JMCAR 19,967,76

ipr-mus LD50:150 mg/kg JMCAR 19,967,76

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

C1D250 CAS: 77966-62-2 HR: 3
6'-CHLORO-2-(METHYLAMINO)- α -ACETO TOLUIDIDE HYDROCHLORIDE

mf: $\text{C}_{10}\text{H}_{13}\text{ClN}_2\text{O}\cdot\text{ClH}$ mw: 249.16

SYNS: C 3167 □ 2'-CHLORO-6'-METHYL-2-(METHYLAMINO)ACETANILIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,407,58

ipr-rat LD50:330 mg/kg ARZNAD 8,407,58

ipr-mus LD50:305 mg/kg ARZNAD 8,407,58

scu-mus LD50:775 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

C1D825 CAS: 27683-73-4 HR: 3
4'-CHLORO-2-((METHYLAMINO)METHYL) BENZHYDROL HYDROCHLORIDE

mf: $\text{C}_{15}\text{H}_{16}\text{ClNO}\cdot\text{ClH}$ mw: 298.23

SYNS: α -(4-CHLOROPHENYL)-2-((METHYLAMINO)METHYL)-BENZENEMETHANOL HYDROCHLORIDE (9CI) □ PR-F 36 CI

TOXICITY DATA with REFERENCE:

orl-rat LD50:560 mg/kg AIPTAK 211,253,74

ipr-rat LD50:115 mg/kg AIPTAK 211,253,74

scu-rat LD50:328 mg/kg AIPTAK 211,253,74

orl-mus LD50:320 mg/kg AIPTAK 211,253,74

ipr-mus LD50:54 mg/kg AIPTAK 211,253,74

scu-mus LD50:83 mg/kg AIPTAK 211,253,74

ivn-mus LD50:53 mg/kg AIPTAK 211,253,74

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

C1E250 CAS: 102504-65-4 HR: 3
6'-CHLORO-2-(METHYLAMINO)- α -PROPIONO TOLUIDIDE HYDROCHLORIDE

mf: $\text{C}_{11}\text{H}_{15}\text{ClN}_2\text{O}\cdot\text{ClH}$ mw: 263.19

SYN: C 3158

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,544,58

ipr-rat LD50:183 mg/kg ARZNAD 8,544,58

scu-mus LD50:340 mg/kg ARZNAD 8,544,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .

C1E500 CAS: 78218-38-9 HR: 3
6'-CHLORO-3-(METHYLAMINO)- α -PROPIONO TOLUIDIDE HYDROCHLORIDE

mf: $\text{C}_{11}\text{H}_{15}\text{ClN}_2\text{O}\cdot\text{ClH}$ mw: 263.19

SYN: C 3162

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,544,58

ipr-rat LD50:365 mg/kg ARZNAD 8,544,58

scu-mus LD50:700 mg/kg ARZNAD 8,544,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

C1F000 CAS: 52583-06-9 HR: 3
2-CHLORO-1-(2-METHYLAMINOPROPYL)-3,5,7-TRIMETHYLADAMANTANE HYDROCHLORIDE

mf: $\text{C}_{17}\text{H}_{30}\text{ClN}\cdot\text{ClH}$ mw: 320.39

SYN: 1-(2-CHLORO-5,7-DIMETHYL-3-METHYL-1-ADAMANTYL)-N-METHYL-2-PROPYL AMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:400 mg/kg JMCAR 17,602,74

ipr-mus LD50:100 mg/kg JMCAR 17,602,74

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

C1F250 CAS: 1199-85-5 HR: 3
p-CHLORO-N-METHYLAMPHETAMINE

mf: $\text{C}_{10}\text{H}_{14}\text{ClN}$ mw: 183.70

SYNS: p-CHLORO-N- α -DIMETHYLPHENETHYLAMINE □ d-1-p-CHLORO-METHYLAMPHETAMINE (FRENCH) □ CMA □ pCMA □ RO 4-6861 □ S-33

TOXICITY DATA with REFERENCE:

orl-rat LD50:110 mg/kg THERAP 26,219,71

scu-rat LD50:55 mg/kg AIPTAK 159,442,66

ivn-rat LD50:52 mg/kg THERAP 26,219,71

orl-mus LD50:100 mg/kg THERAP 26,219,71

ipr-mus LD50:20 mg/kg ISYAM* -,729,70

ivn-mus LD50:50 mg/kg THERAP 26,219,71

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also BENZEDRINE and other amphetamine entries.

CIF750 CAS: 73637-11-3 HR: 2
2-CHLOROMETHYL-*p*-ANISALDEHYDE

mf: $\text{C}_9\text{H}_9\text{ClO}_2$ mw: 184.63

SYN: *o*-CHLOROMETHYLANISALDEHYDE

TOXICITY DATA with REFERENCE:

skn-hmn 200 mg SEV CHMBAY 7,490,71

SAFETY PROFILE: A severe human skin irritant. See also ALDEHYDES. When heated to decomposition it emits toxic fumes of Cl^- .

CIF775 CAS: 60177-39-1 HR: D
CHLOROMETHYLATED AMINATED STYRENE-DIVINYLBENZENE RESIN

SAFETY PROFILE: When heated to decomposition it emits toxic fumes of Cl^- and NO_2 .

CIG000 CAS: 63018-67-7 HR: 2
5-CHLORO-10-METHYL-1,2-BENZ-ANTHRACENE

mf: $\text{C}_{19}\text{H}_{13}\text{Cl}$ mw: 276.77

SYN: 8-CHLORO-7-METHYLBENZ(a)ANTHRACENE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CIG250 CAS: 6325-54-8 HR: 3
7-CHLOROMETHYL BENZ(a)ANTHRACENE

mf: $\text{C}_{19}\text{H}_{13}\text{Cl}$ mw: 276.77

SYN: ICR 451

TOXICITY DATA with REFERENCE:

mma-sat 1 $\mu\text{g}/\text{plate}$ PNASA6 72,5135,75

ivn-mus TDLo:700 $\mu\text{g}/\text{kg}$;NEO CNREA8 36,2423,76

ivn-mus LDLo:1384 $\mu\text{g}/\text{kg}$ CNREA8 36,2423,76

SAFETY PROFILE: Poison by intravenous route. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CIG500 CAS: 6366-24-1 HR: 2
7-CHLORO-10-METHYL-1,2-BENZ-ANTHRACENE

mf: $\text{C}_{19}\text{H}_{13}\text{Cl}$ mw: 276.77

SYN: 10-CHLORO-7-METHYLBENZ(a)ANTHRACENE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CIG750 CAS: 27165-08-8 HR: 3
4-CHLORO-2-METHYLBENZENEDIAZONIUM SALTS

SAFETY PROFILE: Reaction with sulfides (e.g., hydrogen sulfide, ammonium sulfide, sodium hydrogen

sulfide, disodium sulfide, or disodium polysulfide) forms explosive products. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CIH000 CAS: 49852-84-8 HR: 2
6-CHLOROMETHYL BENZO(a)PYRENE

mf: $\text{C}_{21}\text{H}_{13}\text{Cl}$ mw: 300.79

TOXICITY DATA with REFERENCE:

mmo-sat 750 ng/plate CBINA8 56,101,85

scu-rat TDLo:100 mg/kg/40D-I:CAR JMCAR 16,714,73

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CIH100 CAS: 1006-99-1 HR: 2
5-CHLORO-2-METHYLBENZOTHIAZOLE

mf: $\text{C}_8\text{H}_6\text{ClNS}$ mw: 183.66

SYNS: BENZOTHIAZOLE, 5-CHLORO-2-METHYL- □ USAF EK-P-4382

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 mg/kg NTIS** AD277-689

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 , SO_x , and Cl^- .

CIH825 CAS: 1667-11-4 HR: D
4-CHLOROMETHYLBIPHENYL

mf: $\text{C}_{13}\text{H}_{11}\text{Cl}$ mw: 202.69

PROP: Crystals. Mp: 68–70°.

SYNS: 4-CMB □ *p*-PHENYLBENZYL CHLORIDE □ 4-PHENYLBENZYL CHLORIDE

TOXICITY DATA with REFERENCE:

dnd-hmn:fbr 200 $\mu\text{mol}/\text{L}$ MUREAV 145,209,85

dnd-hmn:oth 200 $\mu\text{mol}/\text{L}$ MUREAV 145,209,85

SAFETY PROFILE: Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CIH900 CAS: 65313-33-9 HR: 3
CHLOROMETHYL BISMUTHINE

mf: $\text{C}_2\text{H}_6\text{BiCl}$ mw: 274.50

SAFETY PROFILE: Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Cl^- and Bi. See also BISMUTH COMPOUNDS.

CII000 CAS: 107-84-6 HR: 3
1-CHLORO-3-METHYLBUTANE

mf: $\text{C}_5\text{H}_{11}\text{Cl}$ mw: 106.60

PROP: Liquid. Flash p: 16°, mp: –104°; bp: 99°, d: 0.8704 @ 20°/4°, lel: 1.5%, uel: 7.4%.

SAFETY PROFILE: Very dangerous fire hazard when exposed to heat, flame, or powerful oxidizers. Reaction with divalent metals may form reactive products. When heated to decomposition it emits toxic fumes of Cl^- . See

also CHLORINATED HYDROCARBONS,
ALIPHATIC.

CII250 CAS: 594-36-5 HR: 3
2-CHLORO-2-METHYLBUTANE

mf: C₅H₁₁Cl mw: 106.60

PROP: Flash p: 16°, d: 0.869 @ 15°/15°, mp: -73°, bp: 86°, lel: 1.5%, uel: 7.4%.

SAFETY PROFILE: Very dangerous fire hazard when exposed to heat, flame, or powerful oxidizers. Reaction with divalent metals may form very reactive products. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

CIJ250 CAS: 20228-97-1 HR: 3
2-CHLORO-6-METHYLCARBANILIC ACID-2-(DIETHYLAMINO)ETHYL ESTER, HYDROCHLORIDE

mf: C₁₄H₂₁ClN₂O₂•ClH mw: 321.28

SYN: C 3069

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:55 mg/kg ARZNAD 8,664,58

scu-mus LD50:112 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. See also ESTERS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CIK250 CAS: 33531-34-9 HR: 3
2-CHLORO-6-METHYLCARBANILIC ACID-N-METHYL-4-PIPERIDINYL ESTER

mf: C₁₄H₁₉ClN₂O₂ mw: 282.80

TOXICITY DATA with REFERENCE:

scu-mus LD50:63 mg/kg JMCMAR 14,710,71

ivn-mus LD50:14 mg/kg JMCMAR 14,710,71

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. See also ESTERS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CIK500 CAS: 77944-89-9 HR: 3
2-CHLORO-6-METHYLCARBANILIC ACID-2-(PYRROLIDINYL)ETHYL ESTER HYDROCHLORIDE

mf: C₁₄H₁₉ClN₂O₂•ClH mw: 319.26

SYNS: C 3067 □ 2-(PYRROLIDINYL)ETHYL-2-CHLORO-6-METHYLCARBANILATE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:72 mg/kg ARZNAD 8,664,58

scu-mus LD50:160 mg/kg ARZNAD 8,664,58

ivn-mus LD50:36 mg/kg ARZNAD 10,475,60

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. An eye irritant. See also ESTERS. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.

CIK750 CAS: 321-54-0 HR: 3
3-CHLORO-4-METHYL-7-COUMARINYL

DIETHYL PHOSPHATE

mf: C₁₄H₁₆ClO₆P mw: 346.72

SYNS: COROXON □ COUMAPHOS-O-ANALOG □ COUMA PHOS OXYGEN ANALOG (USDA) □ O,O-DI(2-CHLORO-ETHYL)-7-(3-CHLORO-4-METHYLCOUMARINYL)-PHOSPHATE □ O,O-DIETHYL-O-(3-CHLORO-4-METHYL-COUMARIN-7-YL)PHOSPHATE □ DIETHYL-3-CHLORO-4-METHYL-7-COUMARINYL PHOSPHATE □ PHOSPHORIC ACID, DIETHYL ESTER, with 3-CHLORO-7-HYDROXY-4-METHYLCOUMARIN

TOXICITY DATA with REFERENCE:

orl-ckn LD50:2200 µg/kg BCPCA6 16,1183,67

SAFETY PROFILE: Deadly poison by ingestion. When heated to decomposition it emits very toxic fumes of PO_x and Cl⁻. See also ESTERS and PHOSPHATES.

CIK825 CAS: 4222-21-3 HR: 3
3-CHLORO-3-METHYLDIAZIRINE

mf: C₂H₃ClN₂ mw: 90.51

SAFETY PROFILE: A powerful, extremely shock-sensitive explosive. Upon decomposition it emits toxic fumes of Cl⁻ and NO_x. See also EXPLOSIVES.

CIK850 CAS: 215226-72-5 HR: D
3-(CHLOROMETHYL)-4,4-DICHLORO-2-BUTENOIC ACID

mf: C₅H₃Cl₃O₂ mw: 203.45

SYN: 2-BUTENOIC ACID, 3-(CHLOROMETHYL)-4,4-DICHLORO-

TOXICITY DATA with REFERENCE:

mic-sat 50 µLg/plate MUREAV 417,31,1998

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

CIL000 CAS: 102129-02-2 HR: 3
o-CHLORO-2-(METHYL(2-(DIETHYLAMINO)-ETHYL)AMINO)PROPIONANILIDE DIHYDROCHLORIDE

mf: C₁₆H₂₆ClN₃O•2ClH mw: 389.54

SYN: C 5405

TOXICITY DATA with REFERENCE:

ipr-rat LD50:100 mg/kg ARZNAD 9,262,59

scu-mus LD50:700 mg/kg ARZNAD 9,262,59

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

CIL500 CAS: 29053-27-8 HR: 2
7-CHLORO-2-METHYL-3,3a-DIHYDRO-2H,9H-ISOXAZOLO(3,2-b)(1,3)BENZOXAZIN-9-ONE

mf: C₁₁H₉ClNO₃ mw: 238.66

PROP: Crystals from EtOAc. Mp: 147-149°.

SYNS: 3,3a-DIHYDRO-7-CHLORO-2-METHYL-2H,9H-ISOXAZOLO(3,2-b)(1,3)BENZOXAZIN-9-ONE □ MESECLAZONE □ W-2395

TOXICITY DATA with REFERENCE:

orl-rat LD50:1160 mg/kg TXAPA9 33,147,75

orl-mus LD50:2250 mg/kg TXAPA9 33,147,75

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

CIL700 CAS: 63951-11-1 HR: 2
3'-CHLORO-4'-METHYL-4-DIMETHYLAMINO
AZO BENZENE

mf: C₁₅H₁₆ClN₃ mw: 273.79

SYNS: p-(3-CHLORO-p-TOLYL)AZO)-N,N-DIMETHYLANILINE
 □ N,N-DIMETHYL-3'-CHLORO-4'-METHYL-4-(PHENYLAZO)-
 BENZENAMINE

TOXICITY DATA with REFERENCE:

mma-sat 250 nmol/plate CNREA8 46,1654,86

dns-rat:lvrr 10 μmol/L CNREA8 46,1654,86

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

CIL710 CAS: 17010-59-2 HR: 2
4'-CHLORO-3'-METHYL-4-DIMETHYLAMINO
AZO BENZENE

mf: C₁₅H₁₆ClN₃ mw: 273.79

SYNS: ANILINE, N,N-DIMETHYL-p-(4'-CHLORO-3'-METHYL
 PHENYLAZO)- □ p-((4-CHLORO-m-TOLYL)AZO)-N,N-
 DIMETHYL ANILINE □ N,N-DIMETHYL-p-((4-CHLORO-m-
 TOLYL)AZO) ANILINE

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

CIL750 CAS: 101651-65-4 HR: 3
o-CHLORO-2-(METHYL(2-(DIMETHYLAMINO)
ETHYL)AMINO)ACETANILIDE DIHYDRO
CHLORIDE

mf: C₁₃H₂₀ClN₃O•2ClH mw: 342.73

SYN: C 5415

TOXICITY DATA with REFERENCE:

ipr-rat LD50:240 mg/kg ARZNAD 9,262,59

scu-mus LD50:1280 mg/kg ARZNAD 9,262,59

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

CIL775 CAS: 73639-62-0 HR: 2
4-(CHLOROMETHYL)-2,2-DIMETHYL-1,3-DIOXA-
2-SILACYCLOPENTANE

mf: C₅H₁₁ClO₂Si mw: 166.70

SYNS: 2,2-DIMETHYL-4-(CHLOROMETHYL)-1,3-DIOXA-2-
 SILACYCLOPENTANE □ 1,3-DIOXA-2-SILACYCLOPENTANE, 4-
 (CHLOROMETHYL)-2,2-DIMETHYL-
 □ SOC

TOXICITY DATA with REFERENCE:

ipr-rat LD50:500 mg/kg CMBID4 29,299,83

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

CIL800 CAS: 4362-40-7 HR: 3
4-(CHLOROMETHYL)-2,2-DIMETHYL-1,3-
DIOXOLANE

mf: C₆H₁₁ClO₂ mw: 150.62

TOXICITY DATA with REFERENCE:

orl-rat LD50:115 mg/kg CCPTAY 9,451,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion.

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

CIL850 CAS: 53460-80-3 HR: 3
1-(4-CHLOROMETHYL-1,3-DIOXOLAN-2-YL)-2-
PROPANONE

mf: C₇H₁₁ClO₃ mw: 178.63

SYN: 2-PROPANONE, 1-(4-(CHLOROMETHYL)-1,3-DIOXOLAN-2-YL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:120 mg/kg CCPTAY 9,451,74

SAFETY PROFILE: Poison by ingestion.

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

CIL900 CAS: 869-50-1 HR: 3
1-CHLOROMETHYL-1,2-ETHANEDIOL
DIACETATE

mf: C₇H₁₁ClO₄ mw: 194.63

PROP: Bp: 145–150° @ 40 mm.

SYNS: ACETIC ACID, 3-CHLOROPROPYLENE ESTER □
 CHLORODEOXYGLYCEROL DIACETATE □ α-CHLORO-
 HYDRIN DIACETATE □ 1-CHLORO-2,3-PROPANEDIOL
 DIACETATE □ 1,2-DIACETOXY-3-CHLOROPROPANE □ 1,2-
 PROPANEDIOL, 3-CHLORO-, DIACETATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:340 mg/kg JMCMA 20,644,77

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

CIL920 CAS: 51629-58-4 HR: 2
4-CHLORO-α-(1-METHYLETHYL)BENZENE
ACETIC ACID, (2,6-DIMETHYL-4-(2-
PROPYNYL) PHENYL) METHYL ESTER

mf: C₂₃H₂₅ClO₂ mw: 368.93

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #4062968

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits toxic vapors of Cl⁻.

CIM000 CAS: 3188-13-4 HR: 3
CHLOROMETHYL ETHYL ETHER

mf: C₃H₇ClO mw: 94.54

PROP: Flash p: <-2.2°F, bp: 83°.

SYNS: CHLOROMETHOXY ETHANE □ ETHOXY CHLORO
 METHANE □ ETHOXY METHYL CHLORIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by inhalation and ingestion. A very dangerous fire and explosion hazard when exposed to heat or flame. See also ETHERS.

CIM100 CAS: 95918-50-6 HR: 2
2-CHLORO-2'-METHYL-6'-ETHYL-N-ETHOXY

PROP: Liquid. Flash p: <73.4°F, d: 1.070 @ 25 mm, bp: 59.5°.

SYNS: CHLORDIMETHYLEETHER (CZECH) □ CMME □ DIMETHYLCHLOROETHER □ ETHER METHYLIQUE MONOCHLORE (FRENCH) □ METHYLCHLOROMETHYL ETHER (DOT) □ METHYL CHLOROMETHYL ETHER, anhydrous (DOT) □ MONOCHLORODIMETHYL ETHER (MAK) □ RCRA WASTE NUMBER U046

TOXICITY DATA with REFERENCE:

dni-hmn:lym 5 mL/L CALEDQ 13,213,81
ihl-rat LC50:55 ppm/7H AEHLAU 30,61,75
ihl-mus LC50:1030 mg/m³/2H 85GMAT -,89,82
ihl-ham LC50:65 ppm/7H AEHLAU 30,61,75

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 1 IMEMDT 7,131,87; Animal Sufficient Evidence IMEMDT 4,239,74; Human Limited Evidence IMEMDT 4,239,74. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory. Community Right-To-Know List. EPA Extremely Hazardous Substances List.

OSHA PEL: OSHA: Cancer Suspect Agent

ACGIH TLV: Suspected Human Carcinogen

DFG MAK: Human Carcinogen

NIOSH REL: (Methyl Chloromethyl Ether) TWA use 29 CFR 1910.1006

DOT CLASSIFICATION: 6.1; Label: Poison, Flammable Liquid

SAFETY PROFILE: Confirmed human carcinogen with experimental carcinogenic, tumorigenic, and neoplastigenic data. Poison by inhalation. Moderately toxic by ingestion. Human mutation data reported. A very dangerous fire hazard when exposed to heat or flame. To fight fire, use alcohol foam, water, CO₂, or dry chemical. Reaction with divalent metals forms a very reactive product. When heated to decomposition it emits toxic fumes of Cl⁻. See also ETHERS and CHLORINATED HYDROCARBONS, ALIPHATIC.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #10.

CIO275 CAS: 52157-57-0 HR: 3
2-CHLOROMETHYL-5-METHYLFURAN

mf: C₆H₇ClO mw: 130.57



SAFETY PROFILE: A storage hazard. It may explode spontaneously at room temperature. Less stable than 2-chloromethylfuran. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.

CIO375 CAS: 36236-73-4 HR: D
4-(CHLOROMETHYL)-2-METHYL-2-PENTYL-1,3-DIOXOLANE

mf: C₁₀H₁₉ClO₂ mw: 206.74

SYN: AY-22,352

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

CIO500 CAS: 67293-64-5 HR: 3
2-CHLORO-10-((2-METHYL-3-(4-METHYL-1-PIPERAZINYL)PROPYL)-PHENOTHIAZINE

mf: C₂₁H₂₆ClN₃S mw: 388.01

SYN: 6710 RP

TOXICITY DATA with REFERENCE:

orl-mus LD50:430 mg/kg CRSBAW 152,1371,58
ipr-mus LD50:120 mg/kg CRSBAW 152,1371,58
scu-mus LD50:420 mg/kg CRSBAW 152,1371,58
ivn-mus LD50:95 mg/kg CRSBAW 152,1371,58

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

CIO750 CAS: 50308-83-3 HR: 3
7-CHLORO-1-METHYL-4-((p-((1-METHYL-PYRIDINIUM-4-YL)AMINO)PHENYL) CARB-AMOYL)ANILINO)QUINOLINIUM DIBROMIDE

mf: C₂₀H₂₆ClN₅O•2Br mw: 655.87

TOXICITY DATA with REFERENCE:

dnd-mus:lym 1 μmol/L JMCMAR 22,134,79
ipr-mus LD10:39 mg/kg JMCMAR 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Br⁻, NO_x, and Cl⁻.

CIP000 CAS: 50308-82-2 HR: 3
6-CHLORO-1-METHYL-4-(p-((p-((1-METHYL-PYRIDINIUM-4-YL)AMINO)PHENYL) CARB-AMOYL)ANILINO)QUINOLINIUM, DI-p-TOLUENESULFONATE

mf: C₂₉H₂₆ClN₅O•2C₇H₇O₃S mw: 838.45

TOXICITY DATA with REFERENCE:

dnd-mus:lym 790 nmol/L JMCMAR 22,134,79
ipr-mus LD10:40 mg/kg JMCMAR 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x, NO_x and Cl⁻.

CIP250 CAS: 50308-84-4 HR: 3
8-CHLORO-1-METHYL-4-((p-((p-((1-METHYL-PYRIDINIUM-4-YL)AMINO)PHENYL)-CARB-AMOYL)ANILINO)QUINOLINIUM) DI-p-TOLUENE SULFONATE

mf: C₂₉H₂₆ClN₅O•2C₇H₇O₃S mw: 838.45

TOXICITY DATA with REFERENCE:

dnd-mus:lym 1100 nmol/L JMCMAR 22,134,79
ipr-mus LD10:55 mg/kg JMCMAR 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.

CIP500 CAS: 3688-85-5 HR: 2
4-CHLORO-N-METHYL-3-(METHYLSULFAMOYL)BENZAMIDE

mf: C₉H₁₁ClN₂O₃S mw: 262.73

PROP: Crystals from AcOH (aq). Mp: 165–166°.

SYNS: 4-CHLORO-N-METHYL-3-((METHYLAMINO)-SULFONYL) BENZAMIDE □ C.I. 456 □ CN-36337 □ D 1593 □ DIAPAMIDE □ THIAMIZIDE □ TIAMIZID □ TIAMIZIDE □ VECTREN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1400 mg/kg JNDRAK 3,302,63
orl-mus LD50:2580 mg/kg JNDRAK 3,302,63
ipr-mus LD50:520 mg/kg JNDRAK 3,302,63

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic SO_x, NO_x, and Cl⁻.

CIP750 CAS: 86-52-2 HR: 2
1-CHLOROMETHYL NAPHTHALENE

mf: C₁₁H₉Cl mw: 176.65

PROP: Prisms. Flash p: 270°F (OC), autoign temp: 1036°F, d: 1.19382 @ 20°/4°, mp: 31–32°, bp: 291–292°. Sol in benzene, pet ether, alc; insol in water.

SYN: α-CHLOROMETHYLNAPHTHALENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:890 mg/kg IHFCAY 6,1,67
skn-rbt LD50:2000 mg/kg IHFCAY 6,1,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. See also CHLORINATED HYDROCARBONS, AROMATIC. Combustible when exposed to heat or flame. To fight fire, use dry chemical, spray or mist, CO₂. When heated to decomposition it emits toxic fumes of Cl⁻.

CIQ000 CAS: 64059-42-3 HR: 2
2-(8-CHLOROMETHYL-1-NAPHTHYLTHIO) ACETIC ACID

mf: C₁₃H₁₁ClO₂S mw: 266.75

SYN: KYSELINA-S-(8-CHLORMETHYL-1-NAFTYL)THIOGLY KOLOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 5 mg/24H SEV 28ZPAK -,173,72
orl-rat LDLo:2500 mg/kg 28ZPAK -,173,72

SAFETY PROFILE: Moderately toxic by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

CIQ100 CAS: 4897-25-0 HR: D
5-CHLORO-1-METHYL-4-NITROIMIDAZOLE

mf: C₄H₄ClN₃O₂ mw: 161.56

SYNS: IMIDAZOLE, 5-CHLORO-1-METHYL-4-NITRO- □ PCMN1 □ S 50154-9

TOXICITY DATA with REFERENCE:

mic-sat 10 μmol/plate MUREAV 58,1,1978

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

CIQ250 CAS: 67292-88-0 HR: 3
α-(CHLOROMETHYL)-2-NITROIMIDAZOLE-2-ETHANOL

mf: C₆H₈ClN₃O₃ mw: 205.62

SYN: 1-(3-CHLORO-2-HYDROXYPROPYL)-2-NITROIMIDAZOLE

TOXICITY DATA with REFERENCE:

orl-mus LD50:330 mg/kg JMCMA 17,1019,74
ipr-mus LD50:158 mg/kg JMCMA 17,1019,74

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

CIQ400 CAS: 53460-81-4 HR: 3
4-(CHLOROMETHYL)-2-(o-NITROPHENYL)-1,3-DIOXOLANE

mf: C₁₀H₁₀ClNO₄ mw: 243.66

SYN: 1,3-DIOXOLANE, 4-(CHLOROMETHYL)-2-(o-NITROPHENYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:65 mg/kg CCPTAY 9,451,74

SAFETY PROFILE: Poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

CIQ500 CAS: 16339-16-5 HR: 3
2-CHLORO-N-METHYL-N-NITROSOETHYL-AMINE

mf: C₃H₇ClN₂O mw: 122.57

SYNS: 2-CHLORO-2-METHYL-N-NITROSOETHANAMINE □ METHYL-2-CHLORAETHYLNITROSAMINE (GERMAN) □ METHYL (2-CHLOROETHYL)NITROSAMINE □ N-NITROSOMETHYL-2-CHLOROETHYLAMINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:111 mg/kg/53W-C:ETA ZEKBAI 69,103,67

orl-rat LD50:22 mg/kg ZEKBAI 69,103,67

ivn-rat LD50:22 mg/kg ZEKBAI 69,103,67

unr-mam LD50:22 mg/kg GMCRC 17,107,75

SAFETY PROFILE: Poison by ingestion, intravenous, and possibly other routes. Questionable carcinogen with experimental tumorigenic data. Many nitrosamine compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also NITROSAMINES.

CIQ600 CAS: 3415-90-5 HR: D
4-CHLORO-17-α-METHYL-19-NORTESTOSTER-ONE

mf: C₁₉H₂₇ClO₂ mw: 322.91

SYNS: 4-CHLORO-17-β-HYDROXY-17-METHYLESTR-4-EN-3-ONE □ ESTR-4-EN-3-ONE, 4-CHLORO-17-β-HYDROXY-17-METHYL- □ ESTR-4-EN-3-ONE, 4-CHLORO-17-HYDROXY-17-METHYL-, (17-β)- □ SKF 6612

TOXICITY DATA with REFERENCE:

par-rat TDLo:5200 μg/kg (male 3W pre):REP 85GRAA-,29,1965

SAFETY PROFILE: Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.

CIQ625 CAS: 25480-76-6 HR: 3
N-CHLORO-5-METHYL-2-OXAZOLIDINONE

mf: C₄H₆ClNO₂ mw: 135.55



SAFETY PROFILE: Potentially explosive above 160°C. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CIR650 CAS: 215226-71-4 HR: D
(Z)-2-CHLORO-3-METHYL-4-OXOBUTENOIC ACID

mf: $\text{C}_5\text{H}_5\text{ClO}_3$ mw: 148.55

SYN: 2-BUTENOIC ACID, 2-CHLORO-3-METHYL-4-OXO-, (2Z)-

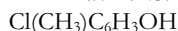
TOXICITY DATA with REFERENCE:

mic-sat 50 $\mu\text{Lg}/\text{plate}$ MUREAV 417,31,1998

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

CIR000 HR: 2
4-CHLORO-2-METHYLPHENOL

mf: $\text{C}_7\text{H}_7\text{ClO}$ mw: 142.59



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

SAFETY PROFILE: Very exothermic reaction with concentrated sodium hydroxide; releases explosive fumes. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROPHENOLS.

CIR250 CAS: 94-74-6 HR: 3
(4-CHLORO-2-METHYLPHENOXY)ACETIC ACID

mf: $\text{C}_9\text{H}_9\text{ClO}_3$ mw: 200.63

PROP: Crystals from C_6H_6 or toluene. Mp: 120°.

SYNS: AGRITOX \square AGROXONE \square ANICON KOMBI \square

ANICON M \square BH MCPA \square BORDERMASTER \square BROMINAL M & PLUS \square B-SELEKTONON M \square CHIPTOX \square 4-CHLORO- α -CRESOXYACETIC ACID \square 4-CHLORO- α -TOLOXYACETIC ACID \square ((4-CHLORO- α -TOLYL)OXY)ACETIC ACID \square CHWASTOX \square CORNOX-M \square DED-WEED \square DICOPUR-M \square DICOTEX \square DOW MCP AMINE WEED KILLER \square EMCEPAN \square EMPAL \square HED APUR M 52 \square HERBICIDE M \square HORMOTUHO \square 4K-2M \square KILSEM \square KREZONE \square LEGUMEX DB \square LEUNA M \square LEYSpray \square LINORMONE \square M 40 \square 2M-4C \square MCP \square MCPA \square MEPHANAC \square METAXON \square METHOXONE \square 2-METHYL-4-CHLOROPHENOXYACETIC ACID \square 2-METHYL-4-CHLOROPHEN OXYESSIGSAEURE (GERMAN) \square 2M-4KH \square NETAZOL \square OKULTIN M \square PHENOXYLENE SUPER \square RAPHONE \square RAZOL DOCK KILLER \square RHOMENE \square RHONOX \square SEPPIC MMD \square SHAMROX \square SOVIET TECHNICAL HERBICIDE 2M-4C \square TRASAN \square U 46 M-FLUID \square USTINEX \square VACATE \square VERDONE \square VESAKONTUHO MCPA \square WEEDAR MCPA CONCENTRATE \square WEEDONE MCPA ESTER \square WEED-RHAP \square ZELAN

TOXICITY DATA with REFERENCE:

sln-dmg-orl 5 mmol/L EXPEAM 30,621,74

mno-smc 30 $\mu\text{mol}/\text{L}/3\text{H}$ MUREAV 60,291,79

dns-mus-orl 200 mg/kg MUREAV 55,197,78

hma-mus/sat 200 mg/kg ECBUDQ 27,182,78

sce-ham:ovr 10 $\mu\text{mol}/\text{L}/1\text{H}$ CRNGDP 5,703,84

orl-mus TDLo:1 g/kg (6-15D preg):TER ARZNAD 33,1479,83

orl-man LDLo:814 mg/kg:CNS,CVS BMJOAE 2,629,65

orl-rat LD50:700 mg/kg AJVRAH 15,622,54

orl-mus LD50:439 mg/kg RPZHAW 31,373,80

scu-mus LDLo:28 mg/kg PCOC** -,711,66

ivn-mus LD50:28 mg/kg PCOC** -,711,66

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,156,87; Animal Inadequate Evidence IMEMDT 30,255,83; Human Inadequate Evidence IMEMDT 30,255,83; Human Limited Evidence IMEMDT 41,357,86. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Suspected carcinogen. Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion. Human systemic effects by ingestion: blood pressure decrease and coma. Experimental teratogenic and reproductive effects. Mutation data reported. An herbicide. When heated to decomposition it emits toxic fumes of Cl^- .

CIR275 CAS: 13791-92-9 HR: 2
2-(4-CHLORO-2-METHYLPHENOXY)-N,N-DIMETHYLPROPIONAMIDE

mf: $\text{C}_{12}\text{H}_{16}\text{ClNO}_2$ mw: 241.74

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg PCOC** -,717,1966

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

CIR325 CAS: 16484-77-8 HR: 2
2-(4-CHLORO-2-METHYLPHENOXY)-PROPANOIC ACID (R) (9CI)

mf: $\text{C}_{10}\text{H}_{11}\text{ClO}_3$ mw: 214.66

SYN: 2M-4XP

TOXICITY DATA with REFERENCE:

orl-rat LD50:1050 mg/kg FMCHA2 -,C185,89

ipr-rat LD50:680 mg/kg ZDBEA9 23(11),83,77

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- .

CIR500 CAS: 93-65-2 HR: 3
4-CHLORO-2-METHYLPHENOXY- α -PROPIONIC ACID

mf: $\text{C}_{10}\text{H}_{11}\text{ClO}_3$ mw: 214.66

SYNS: ACIDE 2-(4-CHLORO-2-METHYL-PHENOXY) PROPIONIQUE (FRENCH) \square ACIDO 2-(4-CLORO-2-METIL-FENOSI)-PROPIONICO (ITALIAN) \square BH MECOPROP \square CHIPCO TURF HERBICIDE MCPP \square 2-(4-CHLOOR-2-METHYL-FENOXY)-PROPIONZUUR (DUTCH) \square 2-(4-CHLOR-2-METHYL-PHENOXY)-PROPIONSAEURE (GERMAN) \square (+)- α -(4-CHLORO-2-METHYL PHENOXY) PROPIONIC ACID \square 2-(4-CHLORO-2-METHYL PHENOXY)PROPIONIC ACID \square 2-(4-CHLOROPHEN-OXY-2-METHYL)PROPIONIC ACID \square 2-(p-CHLORO- α -TOLYL-OXY) PROPIONIC ACID \square CMPP \square COMPITOX \square FBC CMPP \square HEDONAL MCPP \square ISO-CORNOX \square KILPROP \square LIRANOX \square 2M-4CP \square MCPP \square 2-MCPP \square MCPP 2,4-D \square MCPP-D-4 \square MCPP-K-4 \square MECOMECE \square MECOEPOE \square MECOPER \square MECOPEX \square MECOPROP \square MECOTURF \square MECPROP \square MEPRO \square METHOXONE \square α -(2-METHYL-4-CHLOROPHENOXY) PROP-IONIC ACID \square 2-(2-METHYL-4-CHLOROPHENOXY)

PROPIONIC ACID □ 2-METHYL-4-CHLOROPHENOXY- α -
PROPIONIC ACID □ 2-(2-METHYL-4-CHLOROPHENOXY)-
PROPIONSAEURE (GERMAN) □ 2M 4KHP □ N.B. MECOPROP
□ PROPAL □ PROPONEX-PLUS □ RANKOTEX □ RD 4593 □
RUNCATEX □ U 46 □ U 46 KV-ESTER □ U 46 KV-FLUID □ VI-
PAR □ VI-PEX

TOXICITY DATA with REFERENCE:

mrc-smc 742 ppm MUREAV 21,83,73
dns-mus-orl 100 mg/kg MUREAV 55,197,78
orl-rat LD50:650 mg/kg WRPCA2 9,119,70
ipr-rat LD50:402 mg/kg TXCYAC 3,349,75
orl-mus LD50:369 mg/kg RPZHAW 31,373,80
skn-rbt LD50:900 mg/kg PCOC** -,683,66

CONSENSUS REPORTS: IARC Cancer Review:
Group 2B IMEMDT 7,156,87; Human Limited Evidence
IMEMDT 41,357,86. EPA Genetic Toxicology Program.
Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen. Poison by
ingestion. Moderately toxic by skin contact and
intraperitoneal routes. Experimental teratogenic and
reproductive effects. Mutation data reported. An
herbicide. When heated to decomposition it emits toxic
fumes of Cl^- .

CIR600 CAS: 124496-00-0 HR: 2
8-CHLORO-4-(2-METHYLPHENOXY)QUINOLINE

mf: $\text{C}_{16}\text{H}_{12}\text{ClNO}$ mw: 269.74

SYN: QUINOLINE, 8-CHLORO-4-(2-METHYLPHENOXY)-

TOXICITY DATA with REFERENCE:

orl-mus LD :>2000 mg/kg NTIS** OTS0544889

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

CIR750 CAS: 22316-47-8 HR: 3
**7-CHLORO-1-METHYL-5-PHENYL-1H-1,5-
BENZODIAZEPINE-2,4(3H,5H)-DIONE**

mf: $\text{C}_{16}\text{H}_{13}\text{ClN}_2\text{O}_2$ mw: 300.76

PROP: A solid. Mp: 180–182°.

SYNS: CHLOREPIN □ CLOBAZAM □ CLOREPIN □ FRISIUM
□ H-4723 □ HR 376 □ LM-2717 □ 1-PHENYL-5-METHYL-8-
CHLORO-1,2,4,5-TETRAHYDRO-2,4-DIOXO-3H-1,5-
BENZODIAZEPINE □ RU-4723 □ URBANYL

TOXICITY DATA with REFERENCE:

orl-man TDLo:104 mg/kg/1Y-C:CNS,GIT BMJOAE
282,1931,81

orl-rat LD50:6 g/kg MDACAP 16,9,80

ipr-rat LD50:740 mg/kg BCPHBM 7,33S,79

scu-rat LD50:8700 mg/kg OYYAA2 25,663,83

orl-mus LD50:580 mg/kg ARZNAD 35,133,85

ipr-mus LD50:289 mg/kg BCPHBM 7,33S,79

scu-mus LD50:2250 mg/kg BCPHBM 7,33S,79

orl-rbt LD50:320 mg/kg BCPHBM 7,33S,79

orl-gpg LD50:109 mg/kg BCPHBM 7,33S,79

SAFETY PROFILE: Poison by ingestion and
intraperitoneal routes. Moderately toxic by subcutaneous
route. Human systemic effects by ingestion: wakefulness,
withdrawal, nausea and vomiting. An experimental
teratogen. Other experimental reproductive effects. A
tranquilizer. When heated to decomposition it emits very
toxic fumes of NO_x and Cl^- . See also DIAZEPAM.

CIS000 CAS: 562-09-4 HR: 3
**2-((p-CHLORO- α -METHYL- α -PHENYLBENZYL)-
OXY)-N,N-DIMETHYLAMINE HYDRO-
CHLORIDE**

mf: $\text{C}_{18}\text{H}_{22}\text{ClNO} \cdot \text{ClH}$ mw: 340.32

PROP: Needles. Mp: 128°. Sol in H_2O .

SYNS: 2-(α -(p-CHLOROPHENYL)- α -METHYLBENZYLOXY)-
N,N-DIMETHYLAMINE □ (1-(p-CHLOROPHENYL)-1-PHENYL)-
ETHYL (β -DIMETHYLAMINOETHYL) ETHER HYDRO-
CHLORIDE □ 2-(1-(4-CHLOROPHENYL)-1-PHENYL-ETHOXY)-
N,N-DIMETHYL ETHANAMINE HYDROCHLORIDE □
CHLORPHENOXAMINE HYDRO-CHLORIDE □ CONTRIST-
AMINE HYDROCHLORIDE □ β -DIMETHYL-AMINOETHYL (p-
CHLORO- α -METHYLBENZ HYDRYL) ETHER HYDRO-
CHLORIDE □ PHENOXENE HYDROCHLORIDE □ SUBSTANZ
NR. 1766 (GERMAN) □ SYSTRAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg 29ZVAB -,31,69
orl-mus LD50:345 mg/kg CLDND* 2,83,60
scu-mus LD50:159 mg/kg CLDND* 4,638,62
scu-gpg LD50:140 mg/kg ARZNAD 4,189,54

SAFETY PROFILE: Poison by ingestion and
subcutaneous routes. Moderately toxic by ingestion. When
heated to decomposition it emits very toxic fumes of Cl^-
and NO_x .

CIS250 CAS: 15545-48-9 HR: 2
**N-(3-CHLORO-4-METHYLPHENYL)-N',N'-
DIMETHYLUREA**

mf: $\text{C}_{10}\text{H}_{13}\text{ClN}_2\text{O}$ mw: 212.70

PROP: Crystals. Mp: 147–148°. Very sltly sol in H_2O : sol
most org solvs.

SYNS: C 2242 □ 3-(3-CHLOR-4-METHYLPHENYL)-1,1-
DIMETHYL HARNSTOFF (GERMAN) □ 3-(3-CHLORO-4-
METHYLPHENYL)-1,1-DIMETHYL-UREA □ CHLOROTOLURON
□ CHLOR TOLURON □ CLORTOKEM □ DICURAN

TOXICITY DATA with REFERENCE:

mma-sat 1 μg /plate MUREAV 58,353,78
dni-mus-orl 200 mg/kg MUREAV 58,353,78
orl-rat LD50:5800 mg/kg KHZDAN 22,362,79
ihl-rat LC50:1300 mg/ m^3 85DPAN -,71/76

SAFETY PROFILE: Moderately toxic by inhalation.
Mildly toxic by ingestion. Experimental reproductive
effects. Mutation data reported. A pesticide. When heated
to decomposition it emits very toxic fumes of Cl^- and
 NO_x .

CIS325 CAS: 65039-20-5 HR: 3
**2-CHLORO-5-METHYLPHENYLHYDROXYL-
AMINE**

mf: $\text{C}_7\text{H}_8\text{ClNO}$ mw: 157.60

$\text{Cl}(\text{CH}_3)\text{C}_6\text{H}_3\text{NHOH}$

SAFETY PROFILE: Explodes when heated above
120°C. When heated to decomposition it emits toxic
fumes of Cl^- and NO_x . See also AROMATIC AMINES.

CIS625 CAS: 1631-82-9 HR: 2
CHLOROMETHYLPHENYLSILANE

mf: $\text{C}_7\text{H}_9\text{ClSi}$ mw: 156.69

PROP: Liquid. D: 1.04 @ 20°/4°, bp: 66° @ 20 mm.

SAFETY PROFILE: Vigorous reaction above 100°C with 4-bromobutene + chloroplatinic acid. When heated to decomposition it emits toxic fumes of Cl⁻.

CIS750 CAS: 2058-52-8 HR: 3
2-CHLORO-11-(4-METHYLPIPERAZINO)-
DIBENZO (b,f)(1,4)THIAZEPINE

mf: C₁₈H₁₈ClN₃S mw: 343.90

PROP: Crystals from Et₂O/pet ether. Mp: 118–120°.

SYNS: 2-CHLORO-11-(4-METHYL-1-PIPERAZINYL)DIBENZO(b,f)(1,4)THIAZEPINE □ DIBENZOTHAZEPINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:280 mg/kg DRUGAY 6,234,82

orl-mus LD50:270 mg/kg ARZNAD 15,841,65

orl-gpg LD50:150 mg/kg TXAPA9 14,657,69

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

CIT000 CAS: 4956-31-4 HR: 3
2-CHLORO-11-(4'-METHYL)PIPERAZINO-
DIBENZO(b,f)(1,4)THIAZEPINE HYDRO-
CHLORIDE

mf: C₁₈H₁₈ClN₃S•ClH mw: 380.36

SYNS: 2-CHLORO-11-(4-METHYL-1-PIPERAZINYL) DIBENZO(b,f)(1,4)THIAZEPINE HYDROCHLORIDE □ HF-2159 HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:430 mg/kg IJNEAQ 4,375,65

ivn-rat LD50:42 mg/kg IJNEAQ 4,375,65

orl-mus LD50:270 mg/kg IJNEAQ 4,375,65

ivn-mus LD50:46 mg/kg IJNEAQ 4,375,65

orl-gpg LD50:154 mg/kg IJNEAQ 4,375,65

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

CIT625 CAS: 59943-31-6 HR: 3
7-CHLORO-3-(4-METHYL-1-PIPERAZINYL)-4H-
1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE

mf: C₁₂H₁₅ClN₄O₂S mw: 314.82

SYN: DU-717

TOXICITY DATA with REFERENCE:

ivn-rat LD50:551 mg/kg IYKEDH 11,294,80

ivn-mus LD50:242 mg/kg IYKEDH 11,294,80

ivn-dog LD50:400 mg/kg IYKEDH 11,294,80

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

CIT750 CAS: 77966-63-3 HR: 3
6'-CHLORO-2-(2-METHYLPIPERIDINO)-o-
ACETO TOLUIDIDE HYDROCHLORIDE

mf: C₁₅H₂₁ClN₂O•ClH mw: 317.29

SYN: V 315

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,407,58

ipr-rat LD50:77 mg/kg ARZNAD 8,407,58

ipr-mus LD50:110 mg/kg ARZNAD 8,407,58

scu-mus LD50:139 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CIU000 CAS: 101651-66-5 HR: 3
o-CHLORO-2-(METHYL(2-(PIPERIDINO)ETHYL)
AMINO)ACETANILIDE DIHYDROCHLORIDE

mf: C₁₆H₂₄ClN₃O•2ClH mw: 382.80

SYN: C 5406

TOXICITY DATA with REFERENCE:

ipr-rat LD50:124 mg/kg ARZNAD 9,262,59

scu-mus LD50:590 mg/kg ARZNAD 9,262,59

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

CIU250 CAS: 78218-42-5 HR: 3
6'-CHLORO-3-(2-METHYLPIPERIDINO)-o-
PROPIONOTOLUIDIDE HYDROCHLORIDE

mf: C₁₆H₂₃ClN₂O•ClH mw: 331.32

SYN: C 3139

TOXICITY DATA with REFERENCE:

ipr-rat LD50:39 mg/kg ARZNAD 8,544,58

scu-mus LD50:36 mg/kg ARZNAD 8,544,58

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

CIU325 CAS: 58763-27-2 HR: 3
3'-CHLORO-5'-METHYL-3-PIPERIDINO-4'-
PROPOXY-PROPIOPHENONE
HYDROCHLORIDE

mf: C₁₈H₂₆ClNO₂•ClH mw: 360.36

SYNS: 1-(3-CHLORO-5-METHYL-4-PROPOXYPHENYL)-3-(1-PIPERIDINYL)1-PROPANONE HYDROCHLORIDE (9CI) □ β-PIPERIDINOAEETHYL-(3-CHLOR-4-PROPOXY-5-METHYL PHENYL)-KETONHYDROCHLORID (GERMAN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:460 mg/kg PHARAT 31,21,76

scu-mus LD50:330 mg/kg PHARAT 31,21,76

ivn-mus LD50:50 mg/kg PHARAT 31,21,76

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

CIU500 CAS: 513-36-0 HR: 3
1-CHLORO-2-METHYLPROPANE

mf: C₄H₉Cl mw: 92.57

PROP: Liquid. Flash p: 21.2°F, lel: 2.0%, uel: 8.7%, d: 0.881 @ 20°/4°, mp: -130.3°, bp: 68.8°.

SYN: ISOBUTYL CHLORIDE

SAFETY PROFILE: A poison by ingestion and inhalation. A very dangerous fire and explosion hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

CIU750 CAS: 563-47-3 HR: 3
3-CHLORO-2-METHYLPROPENE

DOT: UN 2554mf: C₄H₇Cl mw: 90.56

PROP: Colorless, volatile liquid; disagreeable odor. Bp: 72.17°, lcl: 2.3%, ucl: 9.3%, fp: <−80°, d: 0.9257 @ 20°/4°, vap press: 101.7 mm @ 20°, vap d: 3.12, flash p: −10°. Misc in alc and ether.

SYNS: 3-CHLOR-2-METHYL-PROP-1-EN (GERMAN) □ γ-CHLOROISOBUTYLENE □ 3-CHLORO-2-METHYL-1-PROPENE □ CHLORURE de METHALLYLE (FRENCH) □ 3-CLORO-2-METIL-PROP-1-ENE (ITALIAN) □ CLORURO di METALLILE (ITALIAN) □ ISOBUTENYL CHLORIDE □ METHALLYL CHLORIDE □ α-METHALLYL CHLORIDE □ 2-METHYL-ALLYLCHLORID (GERMAN) □ β-METHYLALLYL CHLORIDE □ 2-METHYLALLYL CHLORIDE □ METHYL ALLYL CHLORIDE (DOT) □ NCI-C54820

TOXICITY DATA with REFERENCE:

mmo-sat 6 μmol/plate BCPA6 29,2611,80

dns-hmn:hla 1 mmol/L CALEDQ 20,263,83

orl-rat TDLo:77,250 mg/kg/2Y-I:CAR NTPTR* NTP-TR-300,86

orl-mus TDLo:51,500 mg/kg/2Y-I:CAR NTPTR* NTP-TR-300,86

orl-rat TD:77,250 mg/kg/2Y-I:NEO,REP NTPTR* NTP-TR-300,86

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. NTP Carcinogenesis Studies (gavage); Clear Evidence: mouse, rat NTPTR* NTP-TR-300,86. Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Experimental reproductive effects. An irritant. Human mutation data reported. Very dangerous fire hazard when exposed to heat, flame, or oxidizers. Moderately explosive when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl[−]. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and ALLYL COMPOUNDS.

CIU800 CAS: 13915-79-2 HR: 2
5-CHLORO-4-METHYL-2-PROPIONAMIDO THIAZOLE

mf: C₇H₉ClN₂OS mw: 204.69

SYNS: CMPT □ PROPANAMIDE, N-(5-CHLORO-4-METHYL-2-THIAZOLYL)-(9CI) □ PROPIONAMIDE, N-((5-CHLORO-4-METHYL)THIAZOLYL)- □ THIAZOLE, 5-CHLORO-4-METHYL-2-PROPIONAMIDO- □ TO 2 (PESTICIDE)

TOXICITY DATA with REFERENCE:

orl-mus LD50:2080 mg/kg GUCHAZ 6,109,1973

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl[−].

CIV000 CAS: 6959-48-4 HR: 3
3-(CHLOROMETHYL) PYRIDINE HYDRO CHLORIDE

mf: C₆H₆ClN•ClH mw: 164.04**SYN:** NCI-C03838**TOXICITY DATA with REFERENCE:**

mmo-sat 333 μg/plate IARCCD 27,283,80

mma-sat 33,300 ng/plate ENMUDM 7(Suppl 5),1,85

mma-esc 1 mg/plate ENMUDM 7(Suppl 5),1,85

otr-rat:emb 640 ng/plate JJATDK 1,190,81

orl-rat LD50:316 mg/kg NCILB* NIH-NCI-E-C-72-3252

orl-mus LD50:316 mg/kg NCILB* NIH-NCI-E-C-72-3252

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (gavage); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-95,78. EPA Genetic Toxicology Program.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Poison by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Cl[−].

CIW250 HR: 3
5'-CHLORO-2-(METHYL(2-(PYRROLIDINYL)-ETHYL)AMINO)-O-ACETOTOLUIDIDE DIHYDROCHLORIDE

mf: C₁₆H₂₄ClN₃O•2ClH mw: 382.80**SYN:** C 5420**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 9,262,59

ipr-rat LD50:118 mg/kg ARZNAD 9,262,59

scu-mus LD50:385 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl[−] and NO_x.

CIX000 CAS: 102129-03-3 HR: 3
o-CHLORO-2-(METHYL(2-(PYRROLIDINYL)-ETHYL)AMINO)PROPIONANILIDE DIHYDRO CHLORIDE

mf: C₁₆H₂₄ClN₃O•2ClH mw: 382.80**SYN:** C 5407**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 9,262,59

ipr-rat LD50:112 mg/kg ARZNAD 9,262,59

scu-mus LD50:855 mg/kg ARZNAD 9,262,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and Cl[−].

CIX200 CAS: 13244-35-4 HR: 2
2-CHLORO-4-(METHYLSULFONYL)ANILINE

mf: C₇H₈ClNO₂S mw: 205.67

SYNS: 4-AMINO-3-CHLOROPHENYLOMETHYLOSULFON □ 4-AMINO-3-CHLOROPHENYLMETHYLSULFONE □ 4-AMINO-3-CHLOROPHENYLMETHYLSULPHONE □ ANILINE, 2-CHLORO-4-(METHYLSULFONYL)- □ BENZENAMINE, 2-CHLORO-4-(METHYLSULFONYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:9500 mg/kg BCTKAG 13,107,80

ipr-rat LDLo:1800 mg/kg BCTKAG 13,107,80

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 , SO_x , and Cl^- .

CIX750 CAS: 3003-84-7 HR: 3
2-CHLOROMETHYL TETRAHYDROFURAN

mf: $\text{C}_5\text{H}_9\text{ClO}$ mw: 120.59

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:250 mg/kg CBCCT* 4,319,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of Cl^- .

CIY250 CAS: 617-88-9 HR: 3
2-CHLOROMETHYLTHIOPHENE

mf: $\text{C}_5\text{H}_5\text{ClS}$ mw: 132.61



PROP: D: 1.178 @ 20°/4°.

SAFETY PROFILE: Flammable when exposed to heat or flame. A storage hazard. It decomposes at room temperature to release hydrogen chloride, and may explode in a sealed container. Highly explosive when shocked, exposed to heat, or by spontaneous chemical reaction. Can react vigorously with oxidizing materials. See also THIOPHENE.

CIY325 CAS: 1558-25-4 HR: 3
(CHLOROMETHYL)TRICHLOROSILANE

mf: $\text{CH}_2\text{Cl}_4\text{Si}$ mw: 183.92

PROP: Liquid. D 1.465 @ 20°/4°, mp: 111–112° mm.

SYNS: CHLOROMETHYL(TRICHLORO)SILANE □ TRICHLORO (CHLOROMETHYL)SILANE (9CI)

TOXICITY DATA with REFERENCE:

orl-mus LDLo:100 mg/kg 85GMAT -,37,82

ihl-mus LD50:30 mg/m³/2H 85GMAT -,37,82

skn-mus LDLo:100 mg/kg 85GMAT -,37,82

ipr-mus LDLo:100 mg/kg 85GMAT -,37,82

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by inhalation, skin contact, ingestion, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Cl^- .

CIY500 CAS: 15267-95-5 HR: 2
(CHLOROMETHYL)TRIETHOXSILANE

mf: $\text{C}_7\text{H}_{17}\text{ClO}_3\text{Si}$ mw: 212.78

PROP: Liquid. Bp: 91–93° @ 27 mm.

SYN: CHLORMETHYL-TRIETHOXSILAN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,219,72

eye-rbt 500 mg/24H MOD 28ZPAK -,219,72

orl-rat LD50:2400 mg/kg 28ZPAK -,219,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CIY750 CAS: 5926-26-1 HR: 2
CHLOROMETHYL TRIMETHOXSILANE

mf: $\text{C}_4\text{H}_{11}\text{ClO}_3\text{Si}$ mw: 170.69

SYN: CHLOROMETHYL-TRIMETHOXSILAN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,219,72

eye-rbt 250 µg/24H SEV 28ZPAK -,219,72

orl-rat LDLo:500 mg/kg 28ZPAK -,219,72

ihl-rat LCLo:3600 ppm/30M 28ZPAK -,219,72

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of Cl^- .

CIY899 HR: 3
N-CHLORO-3-MORPHOLINONE

mf: $\text{C}_4\text{H}_6\text{ClNO}_2$ mw: 135.55



SAFETY PROFILE: May explode when heated to 115°C. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

CIZ000 CAS: 90-13-1 HR: 2
1-CHLORONAPHTHALENE

mf: $\text{C}_{10}\text{H}_7\text{Cl}$ mw: 162.62

PROP: Oil. D: 1.194 @ 20°/4°, mp: -20°, bp: 263°, flash p: 121°. Sol in pet ether and EtOH.

SYNS: α-CHLORONAPHTHALENE □ α-CHLORONAPHTHALENE

TOXICITY DATA with REFERENCE:

mno-sat 200 µg/plate EMMUEG 19(Suppl 21),2,92

orl-rat LD50:1540 mg/kg NTIS** PB214-270

orl-mus LD50:1091 mg/kg NTIS** PB214-270

orl-gpg LD50:2000 mg/kg GISAAA 47(11),78,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CJA000 CAS: 91-58-7 HR: 2
2-CHLORONAPHTHALENE

mf: $\text{C}_{10}\text{H}_7\text{Cl}$ mw: 162.62

PROP: Leaflets from EtOH (aq). D: 1.377 @ 71°, mp: 61°, bp: 256°. Insol in water; sol in alc, benzene, chloroform, ether, CS_2 .

SYNS: β-CHLORONAPHTHALENE □ RCRA WASTE NUMBER U047

TOXICITY DATA with REFERENCE:

orl-rat LD50:2078 mg/kg NTIS** PB214-270

orl-mus LD50:886 mg/kg NTIS** PB214-270

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, AROMATIC.

CJA050 CAS: 4053-08-1 HR: 2**4-CHLORONAPHTHALIC ANHYDRIDE**mf: $C_{12}H_5ClO_3$ mw: 232.62SYNS: 6-CHLORO-1H,3H-NAPHTHO(1,8-cd)PYRAN-1,3-DIONE
□ 1H,3H-NAPHTHO(1,8-cd)PYRAN-1,3-DIONE, 6-CHLORO- □
NAPHTHALIC ANHYDRIDE, 4-CHLORO- (7Cl,8Cl)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3460 mg/kg NTIS** OTS0535458

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of Cl^- .**CJA100 CAS: 2675-77-6 HR: 1****CHLORONEB**mf: $C_8H_8Cl_2O_2$ mw: 207.06**PROP:** A solid. Mp: 134°, bp: 262° @ 744 mm.**SYNS:** CHLORONEBE (FRENCH) □ DEMOSAN □ 1,4-DICHLORO-2,5-DIMETHOXYBENZENE □ SOIL FUNGICIDE 1823 □ TERSAN-SP**TOXICITY DATA with REFERENCE:**mmo-asn 24 μ mol/L PHYTAJ 66,217,76sln-asn 48 μ mol/L EVHPAZ 31,81,79

orl-rat LD50:11 g/kg 85ARAE 4,82,76/77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Very mildly toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- .**CJA140 CAS: 99-47-8 HR: 3****2-CHLORO-m-NITROACETOPHENONE**mf: $C_8H_6ClNO_3$ mw: 199.60SYNS: ACETOPHENONE, 2-CHLORO-m-NITRO- □ α -CHLORO-m-NITRO-ACETOPHENONE □ USAF MA-8**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:50 mg/kg NTIS** AD277-689

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CJA150 CAS: 59483-61-3 HR: 3****N-CHLORO-4-NITROANILINE**mf: $C_6H_5ClN_2O_2$ mw: 172.57**SAFETY PROFILE:** Decomposes explosively at room temperature. Upon decomposition it emits toxic fumes of Cl^- and NO_x . See also ANILINE DYES and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**CJA175 CAS: 121-87-9 HR: 3****2-CHLORO-4-NITROANILINE**mf: $C_6H_5ClN_2O_2$ mw: 172.58**PROP:** Yellow needles from water. Mp: 108°. Sltly sol in water; very sol in alc, ether.**SYNS:** 1-AMINO-2-CHLORO-4-NITROBENZENE □ α -CHLORO-p-NITROANILINE □ 4-NITRO-2-CHLOROANILINE □ OCPNA**TOXICITY DATA with REFERENCE:**

mmo-sat 1 mg/plate SAIGBL 29,34,87

orl-rat LD50:6430 mg/kg GTPZAB 25(8),50,81

orl-mus LD50:1250 mg/kg GTPZAB 25(8),50,81

ipr-mus LDLo:500 mg/kg CBCCT* 5,337,53

ivn-mus LDLo:50 mg/kg CBCCT* 6,138,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also ANILINE DYES.**CJA180 CAS: 6283-25-6 HR: 3****2-CHLORO-5-NITROANILINE**mf: $C_6H_5ClN_2O_2$ mw: 172.58**SYN:** ANILINE, 2-CHLORO-5-NITRO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2015 mg/kg TSCAT* OTS 206512

ipr-rat LD50:400 mg/kg TSCAT* OTS 206512

orl-mus LD50:1600 mg/kg TSCAT* OTS 206512

ipr-mus LD50:800 mg/kg TSCAT* OTS 206512

ivn-mus LD50:180 mg/kg CSLNX* NX#03227

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CJA185 CAS: 635-22-3 HR: 3****4-CHLORO-3-NITROANILINE**mf: $C_6H_5ClN_2O_2$ mw: 172.58**PROP:** Yellow needles from H_2O . Mp: 103°.**SYN:** ANILINE, 4-CHLORO-3-NITRO-**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MLD EPASR* 8EHQ-0882-0452

skn-gpg 500 mg/24H MLD EPASR* 8EHQ-0882-0452

orl-rat LD50:400 mg/kg EPASR* 8EHQ-0882-0452

ipr-rat LD50:200 mg/kg EPASR* 8EHQ-0882-0452

orl-mus LD50:800 mg/kg EPASR* 8EHQ-0882-0452

ipr-mus LD50:200 mg/kg EPASR* 8EHQ-0882-0452

orl-brd LD50:100 mg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Experimental reproductive effects. Skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .**CJA200 CAS: 4920-79-0 HR: 2****2-CHLORO-4-NITRO-ANISOLE**mf: $C_7H_6ClNO_3$ mw: 187.59**PROP:** Needles or prisms from MeOH. Mp: 98°.**SYNS:** 2-CHLORO-1-METHOXY-4-NITROBENZENE (9CI) □ CHLORONITROANISOLE □ OCNA □ α -CHLORO-p-NITROANISOLE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD TOERD9 2,77,79

eye-rbt 100 mg MLD TOERD9 2,77,79

orl-rat LD50:1180 mg/kg TOERD9 2,77,79

ipr-rat TDLo:445 mg/kg TOERD9 2,77,79

orl-mus LD50:1550 mg/kg TOERD9 2,77,79

ipr-mus LD50:815 mg/kg TOERD9 2,77,79

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An eye and skin irritant. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CJA250 CAS: 129-40-8 HR: 1
1-CHLORO-5-NITROANTHRAQUINONE

mf: $\text{C}_{14}\text{H}_6\text{ClNO}_4$ mw: 287.66

PROP: Yellow felted needles from nitrobenzene. Mp: 314° .

SYNS: 1-CHLOR-5-NITROANTHRACHINON (CZECH) □ 1-CHLORO-5-NITRO-9,10-ANTHRACENEDIONE □ 5-CHLORO-1-NITROANTHRAQUINONE □ 1-NITRO-5-CHLOROANTHRAQUINONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,86,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CJA500 CAS: 6361-21-3 HR: 3
2-CHLORO-5-NITROBENZALDEHYDE

mf: $\text{C}_7\text{H}_4\text{ClNO}_3$ mw: 185.57

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#00052

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CJA950 CAS: 25167-93-5 HR: 3
CHLORONITROBENZENE

DOT: UN 1578

mf: $\text{C}_6\text{H}_4\text{ClNO}_2$ mw: 157.56

SYNS: CHLORONITROBENZENE, ortho, liquid (DOT) □ MONONITROCHLOROBENZENE □ NITROCHLOROBENZENE

TOXICITY DATA with REFERENCE:

dnd-mus-ipr 60 mg/kg ARTODN (5),355,82

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: A poison. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also other chloronitrobenzene entries and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CJB250 CAS: 121-73-3 HR: 3
1-CHLORO-3-NITROBENZENE

DOT: UN 1578

mf: $\text{C}_6\text{H}_4\text{ClNO}_2$ mw: 157.56

PROP: Pale-yellow crystals or prisms. Mp: 46° , flash p: 103° , bp: 236° , d: 1.534 @ $20^\circ/4^\circ$.

SYNS: CHLORO-m-NITROBENZENE □ m-CHLORONITROBENZENE □ m-CHLORONITROBENZENE (DOT) □ m-NITRO

CHLOROBENZENE □ m-NITROCHLOROBENZENE, solid (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LD50:420 mg/kg 85GMAT -,92,82

orl-mus LD50:380 mg/kg GTPZAB 25(8),50,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion and inhalation. It forms methemoglobin in the body and gives rise to cyanosis and blood changes. Its effects are cumulative and analogous to those of nitrobenzene. The para compound is thought to be somewhat less toxic than the ortho compound. Chemically, it is probably converted in the body to chloroaniline, which is also poisonous. In industry, it is the dust of this material that is most often the source of intoxication. Flammable liquid and dangerous fire hazard when exposed to heat or flame. It can react with oxidizing materials. When heated to decomposition it emits toxic fumes of Cl^- , NO_x , and phosgene. See also other chloronitrobenzene entries and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CJB750 CAS: 88-73-3 HR: 3
CHLORO-o-NITROBENZENE

DOT: UN 1578

mf: $\text{C}_6\text{H}_4\text{ClNO}_2$ mw: 157.56

PROP: Yellow crystals or needles. Mp: $32-33^\circ$, bp: $245-246^\circ$, d: 1.348, flash p: 123° .

SYNS: o-CHLORONITROBENZENE □ o-CHLORONITROBENZENE, liquid (DOT) □ 1-CHLORO-2-NITROBENZENE □ 2-CHLORONITROBENZENE □ 2-CHLORO-1-NITROBENZENE □ o-NITROCHLOROBENZENE □ ONCB

TOXICITY DATA with REFERENCE:

mmo-sat 205 $\mu\text{g}/\text{plate}$ MUREAV 116,217,83

mma-sat 100 $\mu\text{g}/\text{plate}$ ENMUDM 5(Suppl 1),3,83

orl-rat TDLo:22 g/kg/78W-C:NEO JEPTDQ 2(2),325,78

orl-rat LD50:288 mg/kg NTIS** PB214-270

orl-mus LD50:135 mg/kg NTIS** PB214-270

orl-rbt LD50:280 mg/kg 85GMAT -,92,82

skn-rbt LD50:400 mg/kg FAATDF 7,609,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and neoplastigenic data. Poison by ingestion, skin contact, and probably inhalation. Combustible when exposed to heat or flame. To fight fire, use water, foam. Potentially explosive reaction with ammonia at $160^\circ\text{C}/30$ bar. When heated to decomposition it emits toxic fumes of Cl^- , NO_x , and phosgene. See also other chloronitrobenzene entries and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

CJB825 CAS: 96-73-1 HR: 3
2-CHLORO-5-NITROBENZENESULFONIC ACID

mf: $\text{C}_6\text{H}_4\text{ClNO}_5\text{S}$ mw: 237.61

ipr-mus LD50:235 mg/kg JMCMA 18,868,75
 scu-rbt LDLo:950 mg/kg HBMAK 4,1361,35
 ivn-rbt LDLo:120 mg/kg HBTXAC 5,112,59

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

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Flammable liquid when exposed to heat, flame, or oxidizers. To fight fire, use alcohol foam. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROPHENOLS and CHLORIDES.

CJK500 CAS: 108-43-0 HR: 3
3-CHLOROPHENOL

mf: C₆H₅ClO mw: 128.56

PROP: Crystals or needles from pet ether. Mp: 33°, bp: 210–214°, d: 1.245 @ 45°/4°, vap press: 1 mm @ 44.2°, flash p: >112°.

SYN: m-CHLOROPHENOL

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate TECSY 14,143,87
 orl-rat LD50:570 mg/kg FEPA7 2,76,43
 ipr-rat LD50:355 mg/kg BJPCAL 13,20,58
 scu-rat LD50:1390 mg/kg FEPA7 2,76,43
 orl-mus LD50:521 mg/kg TOLED5 29,39,85

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. Questionable carcinogen with experimental tumorigenic data by skin contact. Mutation data reported. Flammable or combustible liquid. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROPHENOLS.

CJK750 CAS: 106-48-9 HR: 3
4-CHLOROPHENOL

DOT: UN 2020/UN 2021

mf: C₆H₅ClO mw: 128.56

PROP: Needle-like, white to straw-colored crystals; unpleasant odor. Flash p: 250°F, d: 1.246 @ 60°/25°, vap press: 1 mm @ 49.8°, mp: 43.5°, d: 1.246 @ 60°/25° (p&β-form), mp: 34.2° (β-form) mp: 43.5° (γ-form), bp: 220°. Sltly water sol; very sol in alc, chloroform, and ether.

SYNS: p-CHLOROPHENOL (CZECH) □ p-CHLOROPHENOL □ PARACHLOROPHENOL □ PHENOL, 4-CHLORO-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,78,72
 eye-rbt 250 µg/24H SEV 28ZPAK -,78,72
 mno-sat 200 µg/plate PCBPBS 10,174,79
 ihl-hmn TLo:10 g/m³/8H:BAH GISAAA 29(10),37,64
 ihl-rat LC50:11 mg/m³ GISAAA 29(10),37,64
 skn-rat LD50:1500 mg/kg GISAAA 29(10),37,64
 ipr-rat LD50:281 mg/kg BJPCAL 13,20,58
 scu-rat LD50:1030 mg/kg FEPA7 2,76,43
 orl-mus LD50:1373 mg/kg TOLED5 29,39,85
 ipr-mus LD50:332 mg/kg JMCMA 18,868,75
 skn-mam LD50:1000 mg/kg GISAAA 45(10),16,80

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

SAFETY PROFILE: Poison by inhalation and intraperitoneal routes. Moderately toxic by ingestion, skin contact, and subcutaneous routes. A severe skin and eye irritant. Human systemic effects by inhalation: excitement, irritability. Mutation data reported. Combustible when exposed to heat or flame. To fight fire, use water, spray, mist, fog, foam, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROPHENOLS and CHLORIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: o-Chlorophenol, P&CAM 337.

CJL000 HR: 3
CHLOROPHENOLS

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

SAFETY PROFILE: Many are suspected experimental carcinogens. Most are strong eye and skin irritants. They are systemic irritants by inhalation, ingestion, and skin contact. Generally mutagenic.

Trichlorophenols are generally poisons and may be carcinogens. They may contain 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) as a contaminant. Some trichlorophenols are used as herbicides (e.g., 2,4,5-T and silvex). Human exposure may cause chloracne, liver dysfunction, muscle weakness, and prophyria.

Pentachlorophenol is a poison by several routes. Human exposure causes increased respiration, fever, tachycardia, muscle weakness, and cardiac failure. Many toxic effects are due to impurities in commercial-grade material. A teratogen and mutagen. Pentachlorophenol and 2,4,6-trichlorophenol may interfere with mitochondrial oxidative phosphorylation. When heated to decomposition they emit toxic fumes of Cl⁻. See also specific compounds, PHENOL, and CHLORIDES.

CJL100 CAS: 92-39-7 HR: 3
2-CHLOROPHENOTHIAZINE

mf: C₁₂H₈CIN₃ mw: 233.72

SYNS: PHENOTHIAZINE, 2-CHLORO- □ 10H-PHENOTHIAZINE, 2-CHLORO-

TOXICITY DATA with REFERENCE:

dni-bac-esc 160 mg/L BCPCA6 26,1205,77
 oth-esc 160 mg/L BCPCA6 26,1205,77
 ivn-mus LD50:18 mg/kg CSLNX* NX#00590

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.

CJL409 CAS: 19142-68-8 HR: 3
2-(2-(4-(2-((2-CHLORO-10-PHENOTHIAZINYL) METHYL)PROPYL)-1-PIPERAZINYL)-ETHOXY)ETHANOL

mf: C₂₄H₃₂CIN₃O₂S mw: 462.10

SYN: UCB 2493

TOXICITY DATA with REFERENCE:

TOXICITY DATA with REFERENCE:**ACGIH TLV:** TWA 0.2 mg(Se)/m³**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of Se and Cl⁻.**CJR125 CAS: 1991-78-2 HR: D
4-CHLOROPHENYLALANINE**mf: C₉H₁₀ClNO₂ mw: 199.65**SYNS:** p-CHLORO-DL-PHENYLALANINE □ p-CHLOROPHENYLALANINE □ 3-(p-CHLOROPHENYL)ALANINE □ PCPA**SAFETY PROFILE:** An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.**CJR200 CAS: 20265-96-7 HR: 3
4-CHLOROPHENYLAMINE HYDROCHLORIDE**mf: C₆H₆ClN•ClH mw: 164.04**SYNS:** 1-AMINO-4-CHLOROBENZENE HYDROCHLORIDE □ ANILINE, p-CHLORO-, HYDROCHLORIDE □ BENZENAMINE, 4-CHLORO-, HYDROCHLORIDE □ p-CHLOROANILINE HYDRO CHLORIDE □ 4-CHLOROANILINE HYDROCHLORIDE □ p-CHLOROANILINIUM CHLORIDE □ 4-CHLOROBENZEN-AMINE HYDROCHLORIDE □ p-CHLOROPHENYLAMINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

mma-sat 1 mg/plate NTPTR* NTP-TR-351,89

msc-mus:lyms 375 mg/L NTPTR* NTP-TR-351,89

cyt-ham:ovr 900 mg/L NTPTR* NTP-TR-351,89

sce-ham:ovr 200 mg/L NTPTR* NTP-TR-351,89

orl-rat TDLo:9270 mg/kg/2Y-C:CAR NTPTR* NTP-TR-351,89

orl-mus TDLo:15,450 mg/kg/2Y-C:CAR NTPTR* NTP-TR-351,89

CONSENSUS REPORTS: NTP Carcinogenesis

Studies (gavage): Clear Evidence: rat NTPTR* NTP-TR-351,89; (gavage); Some Evidence: mouse NTPTR* NTP-TR-351,89. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen with carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.**CJR210 CAS: 301644-25-7 HR: 3
4-((3-((4-CHLOROPHENYL)AMINO)-4,5-DI
HYDRO-2H-BENZ(G)INDAZOL-2-
YL)ACETYL) MORPHOLINE**mf: C₂₃H₂₃ClN₄O₂ mw: 422.91**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 µg/kg FRMCE8 55,383,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CJR215 CAS: 301644-22-4 HR: 3
3-((4-CHLOROPHENYL)AMINO)-4,5-DIHYDRO-
N-(1-METHYLETHYL)-2H-BENZ(g)-
INDAZOLE-2-ACETAMIDE**mf: C₂₂H₂₃ClN₄O mw: 394.90**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 µg/kg FRMCE8 55,383,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**CJR220 CAS: 301644-24-6 HR: 3
3-((4-CHLOROPHENYL)AMINO)-4,5-DIHYDRO-
N-(PHENYLMETHYL)-2H-BENZ(g)IND-
AZOLE-2-ACETAMIDE**mf: C₂₆H₂₃ClN₄O mw: 442.95**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 µg/kg FRMCE8 55,383,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CJR230 CAS: 301644-23-5 HR: 3
3-((4-CHLOROPHENYL)AMINO)-N-(2-ETHOXY
ETHYL)-4,5-DIHYDRO-2H-BENZ(G)-
INDAZOLE-2-ACETAMIDE**mf: C₂₃H₂₅ClN₄O₂ mw: 424.93**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 µg/kg FRMCE8 55,383,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CJR250 CAS: 3647-19-6 HR: 3
N-(3-CHLOROPHENYL)-1-AZIRIDINE CARBOX-
AMIDE**mf: C₉H₉ClN₂O mw: 196.65**SYNS:** 1-(1-AZIRIDINYL)-N-(m-CHLOROPHENYL)FORMAMIDE □ 3-CHLOROPHENYL-N-CARBAMOYL AZIRIDINE**TOXICITY DATA with REFERENCE:**

ipr-mus TDLo:120 mg/kg/4W-I:NEO CNREA8 29,2184,69

ivn-mus LD50:180 mg/kg CSLNX* NX#03943

SAFETY PROFILE: Poison by intravenous route. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CJR300 CAS: 5834-96-8 HR: 2
O-(p-(p-CHLOROPHENYLAZO)PHENYL) O,O-
DIMETHYL PHOSPHOROTHIOATE**mf: C₁₄H₁₄ClN₂O₃PS mw: 356.78**SYNS:** ALAMOS □ AZOTHOATE □ L 1058 □ PHOSPHOROTHIOIC ACID, O-(p-(p-CHLOROPHENYL) AZO)PHENYL) O,O-DIMETHYL ESTER □ PHOSPHOROTHIOIC ACID, O-(4-((4-CHLOROPHENYL)AZO)PHENYL) O,O-DIMETHYL ESTER □ SLAM**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>1500 mg/kg BESAAT 12,161,66

skn-rat LD50:>1500 mg/kg BESAAT 12,161,66

orl-mus LD50:>1500 mg/kg BESAAT 12,161,66

orl-rbt LD50:>1200 mg/kg BESAAT 12,161,66

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

CJR500 CAS: 80-38-6 HR: 2
4-CHLOROPHENYL BENZENESULFONATEmf: C₁₂H₉ClO₃S mw: 268.72**PROP:** Colorless crystals. Mp: 62°. Insol in water; sol in org solvs.**SYNS:** ARACID □ BENZENESULFONATE de 4-CHLOROPHENYLE (FRENCH) □ BENZENESULFONIC ACID, 4-CHLOROPHENYL ESTER □ (4-CHLOOR-FENYL)-BENZEEN-SULFONAAT (DUTCH) □ p-CHLOROFENYLESTER KYSELINY BENZENSULFONOVE (CZECH) □ p-CHLOROPHENYL BENZENESULFONATE □ p-CHLOROPHENYL BENZENE SULPHONATE □ 4-CHLOROPHENYL BENZENESULPHONATE □ (4-CHLOR-PHENYL)-BENZOLSULFONAT (GERMAN) □ (4-CLORO-FENIL)-BENZOL-SOLFONATO (ITALIAN) □ CPB □ CPBS □ ENT 4,585 □ FENIZON (FRENCH) □ FENSON □ GC 928 □ MURVESCO □ PCBS □ PCI □ PCPBS □ TRIFENSON**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,197,72

eye-rbt 100 mg/24H MOD 28ZPAK -,197,72

orl-rat LD50:1350 mg/kg ARSIM* 20,10,66

unk-mam LD50:1300 mg/kg 30ZDA9 -,274,71

SAFETY PROFILE: Moderately toxic by ingestion and possibly other routes. An eye and skin irritant. See also ESTERS and SULFONATES. An acaricide. When heated to decomposition it emits toxic fumes of Cl⁻ and SO_x.**CJR550 CAS: 3574-96-7 HR: 3**
2-(o-CHLOROPHENYL)BENZIMIDAZOLEmf: C₁₃H₉ClN₂ mw: 228.69**SYNS:** 1H-BENZIMIDAZOLE, 2-(2-CHLOROPHENYL)- □ 2-(2-CHLOROPHENYL)-1H-BENZIMIDAZOLE □ G 572**TOXICITY DATA with REFERENCE:**

orl-mus LD >1 g/kg ALXXAP #274153

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CJR580 CAS: 6915-00-0 HR: 3**
2-(4-CHLOROPHENYL)-1H-BENZ(de)ISO
QUINOLINE-1,3(2H)-DIONEmf: C₁₈H₁₀ClNO₂ mw: 307.74**TOXICITY DATA with REFERENCE:**

ipr-mus TDLo:0.98 mg/kg FRMCE8 55,319,2000

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CJR809 CAS: 1982-36-1 HR: 3**
1-(p-CHLORO-α-PHENYLBENZYL)HEXA-
HYDRO-4-METHYL-1H-1,4-DIAZEPINE
DIHYDRO CHLORIDEmf: C₁₉H₂₃ClN₂•2ClH mw: 387.81**PROP:** Very bitter crystals from EtOH. Mp: 227–228°.**SYNS:** HOMOCHLOROCYLIZINE DIHYDROCHLORIDE □ HOMOCHLOROCYLIZINE DIHYDROCHLORIDE □ SA 97 DIHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:490 mg/kg JOALAS 31,237,60

ipr-rat LD50:80 mg/kg JOALAS 31,237,60

ivn-rat LD50:36 mg/kg JOALAS 31,237,60

orl-mus LD50:390 mg/kg JOALAS 31,237,60

ipr-mus LD50:125 mg/kg JOALAS 31,237,60

scu-mus LD50:135 mg/kg JOALAS 31,237,60

ivn-mus LD50:47 mg/kg JOALAS 31,237,60

ipr-dog LD50:50 mg/kg JOALAS 31,237,60

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CJR909 CAS: 68-88-2 HR: 3**
1-(p-CHLORO-α-PHENYLBENZYL)-4-(2-((2-HYDROXYETHOXY)ETHYL)PIPERAZINE)mf: C₂₁H₂₇ClN₂O₂ mw: 374.95**SYNS:** ATARA □ ATARAX □ ATARAXOID □ ATARAZOID □ ATAZINA □ ATERAX □ 1-(p-CHLOROBENZHYDRYL)-4-(2-(2-HYDROXYETHOXY)ETHYL)DIETHYLENEDIAMINE □ 1-(p-CHLOROBENZHYDRYL)-4-(2-(2-HYDROXYETHOXY)ETHYL)PIPERAZINE □ N-(4-CHLOROBENZHYDRYL)-N'-(HYDROXYETHOXYETHYL)PIPERAZINE □ 1-(p-CHLORODI-PHENYL METHYL)-4-(2-(2-HYDROXYETHOXY)ETHYL)PIPERAZINE □ 2-(2-(4-(p-CHLORO-α-PHENYLBENZYL)-1-PIPERAZINYL)-ETHOXY)ETHANOL □ DEINAIT □ EQUIPOISE □ FENAROL □ HYCHO TINE □ HYDROXINE □ HYDROXYCINE □ HYDROXYZINE □ IDROSSIZINA □ NEO-CALMA □ NEUROZINA □ NP 212 □ PAMAZONE □ PARENTERAL □ PAXISTIL □ PLACIDOL □ PLAXIDOL □ TRAN-Q □ TRAQUIZINE □ UCB 492 □ U.CB 4492 □ VESPARAZ-WIRKSTOFF**TOXICITY DATA with REFERENCE:**

orl-rat LD50:840 mg/kg CHTPBA 3,210,68

ipr-rat LD50:160 mg/kg CHTPBA 3,210,68

ivn-rat LD50:45 mg/kg ANPBAZ 61,669,61

orl-mus LD50:480 mg/kg AANEAB 7,87,63

ipr-mus LD50:81,300 µg/kg DPHFAK 23,281,71

ivn-mus LD50:137 mg/kg 27ZQAG -,237,72

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Experimental teratogenic and reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CJR959 HR: 3**
2-(α-(p-CHLOROPHENYL)BENZYLOXY)-N,N-
DIMETHYLETHYLAMINE HYDROCHLORIDEmf: C₁₇H₂₀ClNO•ClH mw: 326.29**SYN:** SUBSTANZ NR. 1602 (GERMAN)**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:46 mg/kg ARZNAD 4,189,54

scu-gpg LD50:94 mg/kg ARZNAD 4,189,54

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**CJT125 CAS: 15842-89-4 HR: 3**
1-(4-CHLOROPHENYL)BIGUANIDIUM
HYDROGEN DICHROMATEmf: C₈H₁₂ClCr₂N₅O₇ mw: 429.66ClC₆H₄NHC(:NH)NHC(:NH)N⁺H₃HCr₂O₇⁻**CONSENSUS REPORTS:** Chromium compounds are on the Community Right-To-Know List.

TOXICITY DATA with REFERENCE:

mma-sat 1 µg/plate MUREAV 58,353,78
 dni-mus-ori 200 mg/kg MUREAV 58,353,78
 otr-ham:emb 5 mg/L CRNGDP 4,291,83
 orl-rat LD50:1053 mg/kg FAATDF 7,299,86
 unk-rat LD50:3600 mg/kg JPFCD2 B15,929,80
 orl-mus LD50:1920 mg/kg NTPTR* NTP-TR-266,88
 ipr-mus LD50:1000 mg/kg NTIS** AD277-689
 orl-gpg LDLo:670 mg/kg PAREAQ 14,225,62
 unr-mam LD50:3500 mg/kg 30ZDA9 -,231,71

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 12,167,76. Reported in EPA TSCA Inventory. EPA FIFRA 1988 pesticide subject to registration or re-registration. EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and possibly other routes. Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. An herbicide. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.

CJY000 CAS: 140-41-0 HR: 2
3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA TRICHLOROACETATE

mf: C₂HCl₃O₂•C₉H₁₁ClN₂O mw: 362.05

PROP: A solid. Mp: 78–81°. Sol in MeOH, xylene; sltly sol in H₂O.

SYNS: 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA compounded with TRICHLOROACETIC ACID (1:1) □ GC-2996 □ MONURON-TCA □ TRICHLOROACETIC ACID compounded with N¹-(4-CHLOROPHENYL)-N,N-DIMETHYLUREA (1:1) □ UROX 379 □ XORU-0X

TOXICITY DATA with REFERENCE:

orl-rat LD50:2300 mg/kg 28ZEAL 4,292,69
 scu-rbt LD50:1000 mg/kg FMCHA2 -,C249,83

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA and TRICHLOROACETIC ACID.

CJY120 CAS: 5131-60-2 HR: 3
4-CHLORO-m-PHENYLENEDIAMINE

mf: C₆H₇ClN₂ mw: 142.60

PROP: Needles. Mp: 91°.

SYNS: C.I. 76027 □ 4-CHLORO-1,3-BENZENEDIAMINE □ 1-CHLORO-2,4-DIAMINOBENZENE □ 4-CHLOROPHENE-1,3-DIAMINE □ 4-CHLOROPHENYLENE-1,3-DIAMINE □ 4-CHLORO-1,3-PHENYLENEDIAMINE □ 4-Cl-m-PD □ NCI-C03305

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/plate ENMUDM 7(Suppl 5),1,85
 mma-sat 10 µg/plate ENMUDM 7(Suppl 5),1,85
 orl-rat TD:1092 g/kg/78W-C:CAR,REP IARC** 27,81,82
 orl-rat TD:2184 g/kg/78W-C:CAR,REP IARC** 27,81,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 27,81,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-85,78. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also AROMATIC AMINES.

CJY250 CAS: 61583-30-0 HR: D
(4-CHLORO-o-PHENYLENEDIAMINE) DICHLORO PLATINUM(II)

mf: C₆H₇Cl₃N₂Pt mw: 408.59

PROP: IDLH 4 mg/m³ (as Pt).

TOXICITY DATA with REFERENCE:

mmo-sat 100 nmol/L JMCMA 23,459,80

SAFETY PROFILE: Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CJZ000 CAS: 155-00-0 HR: 3
o-CHLORO-β-PHENYLETHYLHYDRAZINE DIHYDROGEN SULFATE

mf: C₈H₁₁ClN₂•H₂O₄S mw: 268.74

TOXICITY DATA with REFERENCE:

scu-mus LD50:182 mg/kg JOENAK 30,205,64

SAFETY PROFILE: Poison by acute subcutaneous route. Experimental reproductive effects. See also SULFATES. When heated to decomposition it emits very toxic fumes of SO_x, Cl⁻, and NO_x.

CKA000 CAS: 33671-46-4 HR: 2
5-(2-CHLOROPHENYL)-7-ETHYL-1-METHYL-1,3-DIHYDRO-2H-THIENO(2,3-e)(1,4)DIAZEPIN-2-ONE

mf: C₁₆H₁₅ClN₂O mw: 318.84

PROP: A solid. Mp: 243–246°.

SYNS: 5-(o-CHLOROPHENYL)-7-ETHYL-1,3-DIHYDRO-1-METHYL-2H-THIENO(2,3-e)-1,4-DIAZEPIN-2-ONE □ CLOTIAZEPAM □ RISE □ TRECALMO □ Y 6047

TOXICITY DATA with REFERENCE:

orl-rat LD50:1461 mg/kg NIIRDN 6,233,82
 ipr-rat LD50:682 mg/kg NIIRDN 6,233,82
 orl-mus LD50:636 mg/kg JMCMA 16,214,73
 ipr-mus LD50:440 mg/kg JMCMA 16,214,73
 scu-mus LD50:2837 mg/kg NIIRDN 6,233,82

SAFETY PROFILE: Moderately toxic by ingestion, subcutaneous, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. A tranquilizer. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻. See also DIAZEPAM.

CKA030 CAS: 90035-12-4 HR: 3
3-(3-(4-(2-(4-CHLOROPHENYL)ETHYL)-PHENYL)-1,2,3,4-TETRAHYDRO-1-NAPHTHALENYL)-4-HYDROXY-2H-1-BENZOPYRAN-2-ONE

mf: C₃₃H₂₇ClO₃ mw: 507.05

TOXICITY DATA with REFERENCE:

orl-rat LD50:680 µg/kg USXXAM #4520007

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

(2-CHLOROPHENYL)METHYL (4-CHLOROPHENYL)METHYL-3-PYRIDINYL-CARBONIMIDO DITHIOATEmf: C₂₀H₁₆Cl₂N₂S₂ mw: 419.40**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (2-CHLOROPHENYL)METHYL (4-CHLOROPHENYL)METHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>600 mg/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKF035 CAS: 34763-25-2 HR: 2 (4-CHLOROPHENYL)METHYL 1,1-DIMETHYLPROPYL 3-PYRIDINYLCARBONIMIDODITHIOATE**mf: C₁₈H₂₁ClN₂S₂ mw: 364.98**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL 1,1-DIMETHYLPROPYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>600 mg/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKF040 CAS: 40199-26-6 HR: 2 (4-CHLOROPHENYL)METHYL DODECYL 3-PYRIDINYLCARBONIMIDODITHIOATE**mf: C₂₅H₃₅ClN₂S₂ mw: 463.19**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL DODECYL 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, SO_x, and Cl⁻.**CKF043 CAS: 34763-27-4 HR: 2 (4-CHLOROPHENYL)METHYL 1-ETHYL-1-METHYLPROPYL-3-PYRIDINYL-CARBONIMIDO DITHIOATE**mf: C₁₉H₂₃ClN₂S₂ mw: 379.01**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL 1-ETHYL-1-METHYLPROPYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>600 mg/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKF057 CAS: 34763-52-5 HR: 2 S-((4-CHLOROPHENYL)METHYL) o-ETHYL 3-PYRIDINYLCARBONIMIDODITHIOATE**mf: C₁₅H₁₅ClN₂OS mw: 306.83**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, S-((4-CHLOROPHENYL)METHYL) o-ETHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:700 mg/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKF063 CAS: 34763-28-5 HR: 2 (4-CHLOROPHENYL)METHYL HEPTYL 3-PYRIDINYLCARBONIMIDODITHIOATE**mf: C₂₀H₂₅ClN₂S₂ mw: 393.04**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL HEPTYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>750 mg/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKF100 CAS: 41643-23-6 HR: 2 (4-CHLOROPHENYL)METHYL HEXADECYL 3-PYRIDINYLCARBONIMIDODITHIOATE**mf: C₂₉H₄₃ClN₂S₂ mw: 519.31**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL HEXADECYL 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, SO_x, and Cl⁻.**CKF150 CAS: 34763-26-3 HR: 2 (4-CHLOROPHENYL)METHYL HEXYL 3-PYRIDINYLCARBONIMIDODITHIOATE**mf: C₁₉H₂₃ClN₂S₂ mw: 379.01**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL HEXYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>600 mg/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKF500 CAS: 80-77-3 HR: 3 2-(4-CHLOROPHENYL)-3-METHYL-4-METATHIAZANONE-1,1-DIOXIDE**mf: C₁₁H₁₂ClNO₃S mw: 273.75**SYNS:** BANABIN □ BANABIN-SINTYAL □ BISINA □ CHLOR METHAZANONE □ CHLORMETHAZONE □ CHLORMEZ ANONE □ 2-(p-CHLOROPHENYL)TETRAHYDRO-3-METHYL-4H-1,3-THIAZIN-4-ONE 1,1-DIOXIDE □ 2-(p-CHLOROPHENYL)-3-METHYL-1,3-PERHYDROTHIAZIN-4-ON-1,1-DIOXIDE □ CLORILAX □ CLORMETAZANONE □ CLORMETHAZON □ DICHLOROMETHAZANONE □ FENAROL □ LOBAK □ MIORILAX □ MIO-SED □ MUSKEL □ MUSKEL-TRANCOPAL □ PHENAROL □ REXAN □ RILANSYL □ RILAQUIL □ RILASSOL □ RILAX □ RILLASOL □ SUPOTRAN □ SUPROTAN □ TANAFOL □ TETRAHYDRO-2-(p-CHLOROPHENYL)-3-METHYL-4H-1,3-THIAZIN-4-ONE-1,1-DIOXIDE □ TRANCOPAL**TOXICITY DATA with REFERENCE:**

orl-man TDLo:157 mg/kg:EYE,CNS BMJOAE 292,732,86

orl-rat LD50:605 mg/kg AIPTAK 130,280,61

ipr-rat LD50:370 mg/kg ARZNAD 17,242,67

orl-mus LD50:600 mg/kg OYAA2 9,601,75
 ipr-mus LD50:570 mg/kg ARZNAD 17,242,67
 scu-mus LD50:322 mg/kg APTOA6 19,247,62
 orl-dog LD50:500 mg/kg TXAPA9 1,168,59
 ipr-dog LD50:500 mg/kg TXAPA9 1,168,59
 ipr-gpg LD50:600 mg/kg TXAPA9 1,168,59

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Moderately toxic by ingestion. Human systemic effects by ingestion: dilation of the pupils, ataxia (loss of muscle coordination), and coma. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.

CKF530 CAS: 34763-19-4 HR: 2
(4-CHLOROPHENYL)METHYL 1-METHYLETHYL
3-PYRIDINYLCARBONIMIDODITHIOATE

mf: C₁₆H₁₇ClN₂S₂ mw: 336.92

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL 1-METHYLETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:>600 mg/kg USXXAM #3899582

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

CKF535 CAS: 34763-22-9 HR: 2
(4-CHLOROPHENYL)METHYL 1-METHYL
PROPYL 3-
PYRIDINYLCARBONIMIDODITHIOATE

mf: C₁₇H₁₉ClN₂S₂ mw: 350.95

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL 1-METHYLPROPYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:>600 mg/kg USXXAM #3899582

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

CKF540 CAS: 51308-77-1 HR: 2
o-((4-CHLOROPHENYL)METHYL) S-(2-
METHYLPROPYL)-3-PYRIDINYL-
CARBONIMIDO THIOATE

mf: C₁₇H₁₉ClN₂OS mw: 334.89

SYN: CARBONIMIDOTHIOIC ACID, 3-PYRIDINYL-, o-((4-CHLOROPHENYL)METHYL) S-(2-METHYLPROPYL) 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, SO_x, and Cl⁻.

CKF545 CAS: 51308-78-2 HR: 2
S-((4-CHLOROPHENYL)METHYL) o-(2-
METHYLPROPYL)-3-PYRIDINYL-
CARBONIMIDO THIOATE

mf: C₁₇H₁₉ClN₂OS mw: 334.89

SYN: CARBONIMIDOTHIOIC ACID, 3-PYRIDINYL-, S-((4-CHLOROPHENYL)METHYL) o-(2-METHYLPROPYL) 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, SO_x, and Cl⁻.

CKF750 CAS: 3766-60-7 HR: 2
3-(p-CHLOROPHENYL)-1-METHYL-1-(1-
METHYL-2-PROPYNYL)UREA

mf: C₁₂H₁₃ClN₂O mw: 236.72

PROP: A solid. Very sltly sol in H₂O; sltly sol in C₆H₆; sol in Me₂CO and MeOH.

SYNS: ARISAN □ BUTURON □ BUTYRON □ N'-(4-CHLOROPHENYL)-N-ISOBUTINYL-N-METHYLUREA □ N'-(4-CHLOROPHENYL)-N-METHYL-N-(1-METHYL-2-PROPYNYL)-UREA □ N-(4-CHLOROPHENYL)-N'-METHYL-N'-ISOBUTINYLNHARNSTOFF (GERMAN) □ 3-(4-CHLOROPHENYL)-1-METHYL-1-ISOBUTINYLNHARNSTOFF (GERMAN) □ EPTAPUR □ H 95

TOXICITY DATA with REFERENCE:

orl-rat LD50:1791 mg/kg ARTODN 38,261,77

ipr-mus LD50:500 mg/kg 85DPAN -,71/76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. An herbicide. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CKF760 CAS: 34763-36-5 HR: 2
(2-CHLOROPHENYL)METHYL METHYL 3-
PYRIDINYLCARBONIMIDODITHIOATE

mf: C₁₄H₁₃ClN₂S₂ mw: 308.86

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (2-CHLOROPHENYL)METHYL 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, SO_x, and Cl⁻.

CKF765 CAS: 69840-61-5 HR: 3
1-((4-CHLOROPHENYL)METHYL)-2-(NITRO
METHYLENE)IMIDAZOLIDINE

mf: C₁₁H₁₂ClN₃O₂ mw: 253.71

TOXICITY DATA with REFERENCE:

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

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

CKF767 CAS: 41643-24-7 HR: 2
(4-CHLOROPHENYL)METHYLOCTADECYL 3-
PYRIDINYLCARBONIMIDODITHIOATE

mf: C₃₁H₄₇ClN₂S₂ mw: 547.37

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL OCTADECYL 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, SO_x, and Cl⁻.

CKF770 CAS: 34763-29-6 HR: 2
(4-CHLOROPHENYL)METHYLOCTYL 3-PYRIDINYLCARBONIMIDODITHIOATEmf: C₂₁H₂₇ClN₂S₂ mw: 407.07

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYLOCTYL 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, SO_x, and Cl⁻.**CKF800 CAS: 59749-22-3 HR: 2**
1-((4-CHLOROPHENYL)METHYL)-5-OXO-L-PROLINEmf: C₁₂H₁₂ClNO₃ mw: 253.70

SYNS: ACIDE N-(p-CHLOROBENZYL)PYROGLUTAMIQUE □ L-PROLINE, 1-((4-CHLOROPHENYL)METHYL)-5-OXO-

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKF810 CAS: 59749-28-9 HR: 2**
1-((4-CHLOROPHENYL)METHYL)-5-OXO-L-PROLINE AMMONIUM SALTmf: C₁₂H₁₂ClNO₃•H₃N mw: 270.74

SYNS: N-(p-CHLOROBENZYL)PYROGLUTAMATE d'AMMONIUM □ L-PROLINE, 1-((4-CHLOROPHENYL)METHYL)-5-OXO-, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, NH₃, and Cl⁻.**CKF850 CAS: 59749-18-7 HR: 2**
1-((4-CHLOROPHENYL)METHYL)-5-OXO-L-PROLINE METHYL ESTERmf: C₁₃H₁₄ClNO₃ mw: 267.73

SYNS: N-(p-CHLOROBENZYL)PYROGLUTAMATE DE METHYLE □ L-PROLINE, 1-((4-CHLOROPHENYL)METHYL)-5-OXO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD:>1200 mg/kg FRXXBL #2273533

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKG000 CAS: 15687-18-0 HR: 2**
2-(p-CHLOROPHENYL)-4-METHYLPENTANE-2,4-DIOLmf: C₁₂H₁₇ClO₂ mw: 228.74

SYNS: 2-(p-CHLOROPHENYL)-4-METHYL-2,4-PENTANEDIOL □ FENPENTADIOL □ 2-METHYL-4-(p-CHLOROPHENYL)-2,4-PENTANEDIOL □ RD 292 □ TREDUM

TOXICITY DATA with REFERENCE:

orl-rat LD50:1200 mg/kg ARZNAD 21,9,71

orl-mus LD50:940 mg/kg ARZNAD 21,9,71

SAFETY PROFILE: Moderately toxic by ingestion. A tranquilizer and an analeptic agent (stimulant). When heated to decomposition it emits toxic fumes of Cl⁻.**CKG500 CAS: 123-09-1 HR: 3**
p-CHLOROPHENYL METHYL SULFIDEmf: C₇H₇ClS mw: 159.56**PROP:** D: 1.222, bp: 169°.

SYNS: p-CHLOROTHIOANISOLE □ 4-CHLOROTHIOANISOLE □ METHYL-p-CHLOROPHENYL SULFIDE □ METHYL-4-CHLOROPHENYL SULFIDE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD NTIS** AD-A082-824

orl-rat LD50:400 mg/kg TOLED5 1000(Sp Iss 1),32,80

skn-rat LDLo:5630 mg/kg NTIS** AD-A082-824

orl-mus LD50:672 mg/kg NTIS** AD-A082-824

SAFETY PROFILE: Poison by ingestion. Mildly toxic by skin contact. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x. See also CHLORINATED HYDROCARBONS, AROMATIC; and SULFIDES.**CKG750 CAS: 98-57-7 HR: 3**
p-CHLOROPHENYL METHYL SULFONEmf: C₇H₇ClO₂S mw: 191.56

SYNS: 4-CHLOROPHENYL METHYL SULFONE □ METHYL-4-CHLOROPHENYL SULFONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-A082-824

orl-rat LD50:400 mg/kg NTIS** AD-A082-824

orl-mus LD50:606 mg/kg NTIS** AD-A082-824

SAFETY PROFILE: Poison by ingestion. A skin irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.**CKH000 CAS: 934-73-6 HR: 3**
p-CHLOROPHENYL METHYL SULFOXIDEmf: C₇H₇ClOS mw: 175.56

SYNS: 4-CHLOROPHENYL METHYL SULFOXIDE □ METHYL-4-CHLOROPHENYL SULFOXIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV NTIS** AD-A082-824

eye-rbt 100 mg SEV NTIS** AD-A082-824

orl-rat LD50:463 mg/kg NTIS** AD-A082-824

orl-mus LD50:328 mg/kg JACTDZ 12,369,93

SAFETY PROFILE: A poison by ingestion. A severe eye and skin irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.**CKH100 CAS: 41643-22-5 HR: 2**
(4-CHLOROPHENYL)METHYL TETRADECYL 3-PYRIDINYLCARBONIMIDODITHIOATEmf: C₂₇H₃₉ClN₂S₂ mw: 491.25

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-CHLOROPHENYL)METHYL TETRADECYL 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, SO_x, and Cl⁻.

CKI080 CAS: 23904-88-3 HR: 3
 β -(p-CHLOROPHENYL)PHENETHYL 4-(m-TOLYL)PIPERAZINYL KETONEmf: $C_{26}H_{27}ClN_2O$ mw: 419.00**SYNS:** 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(m-TOLYL)PIPERAZINE \square KETONE, β -(p-CHLOROPHENYL)PHENETHYL 4-(m-TOLYL)PIPERAZINYL \square PIPERAZINE, 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(m-TOLYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg JMCAR 12,860,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CKI090 CAS: 23904-87-2 HR: 3**
 β -(p-CHLOROPHENYL)PHENETHYL 4-(o-TOLYL)PIPERAZINYL KETONEmf: $C_{26}H_{27}ClN_2O$ mw: 419.00**SYNS:** 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(o-TOLYL)PIPERAZINE \square KETONE, β -(p-CHLOROPHENYL)PHENETHYL 4-(o-TOLYL)PIPERAZINYL \square PIPERAZINE, 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(o-TOLYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg JMCAR 12,860,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CKI175 CAS: 102071-30-7 HR: 3**
 α -(p-CHLOROPHENYL)- α -PHENYL-2-PIPERIDINEMETHANOL HYDROCHLORIDEmf: $C_{18}H_{20}ClNO \cdot ClH$ mw: 338.30**SYN:** α -(p-CHLOROPHENYL)- α -FENIL-2-PIPERIDILMETANOL CLORIDRATO (ITALIAN)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:400 mg/kg FRPSAX 12,853,57

orl-mus LD50:145 mg/kg FRPSAX 12,853,57

ipr-mus LD50:78 mg/kg FRPSAX 12,853,57

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .**CKI180 CAS: 23902-87-6 HR: 3**
1-(3-(p-CHLOROPHENYL)-3-PHENYL PROPIONYL)-4-(2-HYDROXYPROPYL) PIPERAZINEmf: $C_{22}H_{27}ClN_2O_2$ mw: 386.96**SYNS:** β -(p-CHLOROPHENYL)PHENETHYL 4-(2-HYDROXYPROPYL)PIPERAZINYL KETONE \square KETONE, β -(p-CHLOROPHENYL)PHENETHYL 4-(2-HYDROXYPROPYL)PIPERAZINYL \square PIPERAZINE, 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(2-HYDROXYPROPYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg JMCAR 12,860,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CKI185 CAS: 23902-91-2 HR: 3****1-(3-(p-CHLOROPHENYL)-3-PHENYL PROPIONYL)-4-(o-METHOXYPHENYL) PIPERAZINE**mf: $C_{26}H_{27}ClN_2O_2$ mw: 435.00**SYNS:** β -(p-CHLOROPHENYL)PHENETHYL 4-(o-METHOXYPHENYL)PIPERAZINYL KETONE \square KETONE, β -(p-CHLOROPHENYL)PHENETHYL 4-(o-METHOXYPHENYL) PIPERAZINYL \square PIPERAZINE, 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(o-METHOXYPHENYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg JMCAR 12,860,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CKI190 CAS: 23904-72-5 HR: 3**
1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(p-TOLYL)PIPERAZINEmf: $C_{26}H_{27}ClN_2O$ mw: 419.00**SYNS:** β -(p-CHLOROPHENYL)PHENETHYL 4-(p-TOLYL)PIPERAZINYL KETONE \square KETONE, β -(p-CHLOROPHENYL)PHENETHYL 4-(p-TOLYL)PIPERAZINYL \square PIPERAZINE, 1-(3-(p-CHLOROPHENYL)-3-PHENYLPROPIONYL)-4-(p-TOLYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg JMCAR 12,860,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**CKI250 HR: 3**
1-(p-CHLOROPHENYL)-1-PHENYL-2-PROPYN-1-OL CARBAMATEmf: $C_{16}H_{12}ClNO_2$ mw: 285.74**SYNS:** 4-CHLORO- α -ETHYNYL- α -PHENYLBENZENE METHANOL CARBAMATE \square 1-(4-CHLOROPHENYL)-1-PHENYL-2-PROPYNYL ESTER CARBAMIC ACID**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:347 mg/kg JMCAR 11,115,68

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also CARBAMATES; and CHLORINATED HYDROCARBONS, AROMATIC.**CKI500 CAS: 10473-70-8 HR: 2**
1-(4-CHLOROPHENYL)-1-PHENYL-2-PROPYN-1-OL CARBAMATEmf: $C_{16}H_{12}ClNO_2$ mw: 285.74**SYNS:** CARBAMIC ACID, 1-(4-CHLOROPHENYL)-1-PHENYL-2-PROPYNYL ESTER \square 4-CHLORO- α -ETHYNYL- α -PHENYLBENZENEMETHANOL CARBAMATE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:347 mg/kg JMCAR 11,115,68

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. See also CARBAMATES. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CHLOROPROPANEDIOL CYCLIC SULFITEmf: C₃H₅ClO₃S mw: 156.69**SYN:** 1-CHLOROMETHYLETHYLENE GLYCOL CYCLIC SULFITE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:178 mg/kg CSLNX* NX#02154

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. See also SULFITES. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO₂.**CKR500 CAS: 78-89-7 HR: 3
2-CHLORO-1-PROPANOL****DOT:** UN 2611mf: C₃H₇ClO mw: 94.55**PROP:** Colorless liquid; mild non-residual odor. Bp: 133.5°, flash p: 125°F (CC), d: 1.103 @ 20°, vap d: 3.26.**SYNS:** 2-CHLOROPROPANOL □ 2-CHLOROPROPYL

ALCOHOL □ PROPYLENECHLOROXYDRIN

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 7/23/71

eye-rbt 2230 µg SEV AJOPAA 29,1363,46

orl-rat LD50:218 mg/kg FAONAU 53A,359,74

ihl-rat LCLo:500 ppm/4H AIHAAP 30,470,69

orl-dog LDLo:200 mg/kg FAONAU 53A,359,74

skn-rbt LD50:529 mg/kg AIHAAP 30,470,69

orl-gpg LD50:720 mg/kg JIHTAB 23,259,41

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**ACGIH TLV:** TWA 1 ppm (skin); Not Classifiable as a Human Carcinogen**DOT CLASSIFICATION:** 6.1; Label: Poison**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by inhalation and skin contact. A skin and severe eye irritant. Flammable liquid when exposed to heat, flame, or powerful oxidizers. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻.**CKR750 CAS: 127-00-4 HR: 1
1-CHLORO-2-PROPANOL with 2-CHLORO-1-PROPANOL**mf: C₃H₇ClO mw: 94.55**TOXICITY DATA with REFERENCE:**

mmo-sat 40 µmol/plate FCTXAV 18,115,80

mma-sat 1100 µg/plate MUREAV 30,303,75

ihl-rat LC50:1000 ppm/4H 85JCAE -,517,86

ACGIH TLV: TWA 1 ppm (skin); Not Classifiable as a Human Carcinogen**SAFETY PROFILE:** Low toxicity by inhalation. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also individual components.**CKS000 CAS: 557-98-2 HR: 3
2-CHLORO-1-PROPENE****DOT:** UN 2456mf: C₃H₅Cl mw: 76.53**PROP:** Colorless liquid or gas. Bp: 22.65°, fp: -137.4°, d: 0.918 @ 9°, flash p: -4°, lel: 4.5%, uel: 16%, mp: -138.6°.**SYN:** 2-CHLOROPROPENE (DOT)**TOXICITY DATA with REFERENCE:**

mma-sat 100 µmol/plate BCPA6 29,2611,80

ihl-mus LC50:267 g/m³ UCPHAQ 2,39,41**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Mildly toxic by inhalation.Mutation data reported. Very dangerous fire hazard when exposed to heat, flame, sparks, or powerful oxidizers. To fight fire, use water, spray, mist, fog, dry chemical, alcohol foam. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORIDES.**CKS099 CAS: 21947-75-1 HR: 2
cis-1-CHLOROPROPENE OXIDE**mf: C₃H₃ClO mw: 90.51**SYNS:** cis-1-CHLORO-1,2-EPOXYPROPANE □ cis-2-CHLORO-3-METHYLOXIRANE □ cis-CPO □ OXIRANE, 2-CHLORO-3-METHYL-, cis-(9CI) □ PROPANE, 1-CHLORO-1,2-EPOXY-, (Z)-**TOXICITY DATA with REFERENCE:**

mmo-sat 550 µmol/L MUREAV 101,115,82

mmo-esc 1130 µmol/L MUREAV 101,115,82

dnr-esc 110 µmol/L MUREAV 101,115,82

otr-ham:emb 110 µmol/L JJIND8 69,531,82

skn-mus TDLo:400 mg/kg/62W-I:CAR CNREA8 43,159,83

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.**CKS100 CAS: 21947-76-2 HR: 2
trans-1-CHLOROPROPENE OXIDE**mf: C₃H₃ClO mw: 92.53**SYNS:** trans-1-CHLORO-1,2-EPOXYPROPANE □ trans-2-CHLORO-3-METHYLOXIRANE □ trans-CPO □ OXIRANE, 2-CHLORO-3-METHYL-, trans-(9CI) □ PROPANE, 1-CHLORO-1,2-EPOXY-, (E)-**TOXICITY DATA with REFERENCE:**

mmo-sat 550 µmol/L MUREAV 101,115,82

mmo-esc 2250 µmol/L MUREAV 101,115,82

dnr-esc 110 µmol/L MUREAV 101,115,82

otr-ham:emb 550 µmol/L JJIND8 69,531,82

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.**CKS325 CAS: 62861-56-7 HR: 3
2-CHLORO-2-PROPENYLTRIFLUORO-METHANE SULFONATE**mf: C₄H₄ClF₃O₃S mw: 224.58H₂C=CClCH₂OSO₂CF₃**SAFETY PROFILE:** A dangerous storage hazard. Store in a vented container at -78°C. Reacts violently with aprotic solvents (e.g., DMF and DMSO). When heated to decomposition it emits toxic fumes of F⁻, Cl⁻, and SO₂. See also SULFONATES.

CKS500 CAS: 107-94-8 HR: 2**3-CHLOROPROPIONIC ACID**mf: C₃H₅ClO₂ mw: 108.53**PROP:** Leaflets from H₂O; crystals from ligroin. Mp: 41°, bp: 204° (part decomp).**SYNS:** β-CHLOROPROPIONIC ACID □ β-MONOCHLOROPROPIONIC ACID**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate DHEFDK FDA-78-1046,78

skn-mus LDLo:1040 mg/kg CNREA8 28,653,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by skin contact. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also α-CHLOROPROPIONIC ACID.**CKS750 CAS: 598-78-7 HR: 3****α-CHLOROPROPIONIC ACID****DOT:** UN 2511mf: C₃H₅ClO₂ mw: 108.53**PROP:** Sol in water. D: 1.260–1.268 @ 20°, bp: 183–187°, flash p: 225°F.**TOXICITY DATA with REFERENCE:**

skn-gpg LD50:126 mg/kg 85INA8 5,136(89),86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**ACGIH TLV:** TWA 0.1 ppm (skin) 85INA8 5,136(89),86**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Poison by skin contact. A corrosive. Combustible when exposed to heat or flame. To fight fire, use water, foam, alcohol foam. When heated to decomposition it emits toxic fumes of Cl⁻. See also 3-CHLOROPROPIONIC ACID.**CKT000 CAS: 17639-93-9 HR: 3****2-CHLOROPROPIONIC ACID METHYL ESTER****DOT:** UN 2933mf: C₄H₇ClO₂ mw: 122.56**SYN:** METHYL-2-CHLOROPROPIONATE (DOT)**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:250 mg/kg CBCCT* 6,228,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Poison by intraperitoneal route. See also ESTERS. A flammable liquid when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻.**CKT100 CAS: 16987-02-3 HR: 2****2-CHLOROPROPIONIC ACID SODIUM SALT**mf: C₃H₄ClO₂•Na mw: 130.51**SYNS:** 2-CHLOROPROPANOIC ACID SODIUM SALT □ 2-CHLOROPROPIONATE SODIUM SALT □ α-CHLORO-PROPIONIC ACID SODIUM SALT □ PROPANOIC ACID, 2-CHLORO-, SODIUM SALT □ SODIUM-2-CHLOROPROPIONATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1671 mg/kg JPETAB 222,501,82

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.**CKT250 CAS: 542-76-7 HR: 3****3-CHLOROPROPIONITRILE**mf: C₃H₄ClN mw: 89.53**PROP:** Colorless liquid. Mp: -51°, bp: 176° decomp, flash p: 168°F (CC), d: 1.1363 @ 25°, vap press: 6 mm @ 50°, vap d: 3.09.**SYNS:** 3-CHLOROPROPANENITRILE □ 3-CHLOROPROPANONITRILE □ β-CHLOROPROPIONITRILE □ RCRA WASTE NUMBER P027 □ USAF A-8798**TOXICITY DATA with REFERENCE:**

orl-rat LD50:100 mg/kg 14CYAT 2,2025,62

orl-mus LD50:9 mg/kg 14CYAT 2,2025,62

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

ivn-mus LD50:56 mg/kg CSLNX* NX#01996

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Cyanide and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. Flammable in its liquid form when exposed to heat or flame. To fight fire, use alcohol foam, water, foam, CO₂, or dry chemical. When heated to decomposition it emits very toxic fumes of Cl⁻, CN⁻, and NO_x. See also NITRILES.**CKT500 CAS: 6285-05-8 HR: 3****p-CHLOROPROPIOPHENONE**mf: C₉H₉ClO mw: 168.63**PROP:** A solid. Mp: 37–38°, bp: 134–137° @ 31 mm.**SYN:** USAF EK-5296**TOXICITY DATA with REFERENCE:**

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

ivn-mus LD50:100 mg/kg CSLNX* NX#04477

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic fumes of Cl⁻.**CKT750 CAS: 77966-68-8 HR: 3****6'-CHLORO-2-(PROPYLAMINO)-o-ACETO TOLUIDIDE HYDROCHLORIDE**mf: C₁₂H₁₇ClN₂O•ClH mw: 277.22**SYNS:** C 3058 □ 2'-CHLORO-6'-METHYL-2-(PROPYLAMINO)-ACETANILIDE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:400 mg/kg ARZNAD 8,407,58

ipr-mus LD50:400 mg/kg ARZNAD 8,407,58

scu-mus LD50:1125 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CKU000 CAS: 77985-17-2 HR: 3****6'-CHLORO-2-(PROPYLAMINO)-o-BUTYRO TOLUIDIDE HYDROCHLORIDE**

mf: C₁₄H₂₁ClN₂O•ClH mw: 305.28

SYN: C 3189

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,544,58

ipr-rat LD50:34 mg/kg ARZNAD 8,544,58

scu-mus LD50:57 mg/kg ARZNAD 8,544,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CKU250 CAS: 77846-96-9 HR: 3
9-((2-((2-CHLOROPROPYL)AMINO)ETHYL)
AMINO)-2-METHOXYACRIDINE DIHYDRO
CHLORIDE HEMIHYDRATE

mf: C₁₉H₂₂ClN₃O•1/2H₂O mw: 425.79

SYNS: ACRIDINE, 9-((2-((2-CHLOROPROPYL)AMINO)ETHYL) AMINO)-2-METHOXY-, DIHYDROCHLORIDE, HEMIHYDRATE
 □ ICR 442

TOXICITY DATA with REFERENCE:

mmo-sat 5 µg/plate JMC MAR 15,739,72

ipr-mus LD20:64 mg/kg JMC MAR 15,739,72

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CKU300 CAS: 315706-66-2 HR: 3
4-CHLORO-N-(4-PROPYLCYCLOHEXYL)
BENZAMIDE

mf: C₁₆H₂₂ClNO mw: 279.81**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:42.97 mg/kg FRMCE8 55,439,2000

orl-rat TDLo:100 mg/kg FRMCE8 55,439,2000

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

CKU625 CAS: 2612-33-1 HR: 3
1-CHLORO-2,3-PROPYLENE DINITRATE

mf: C₃H₅ClN₂O₆ mw: 200.54ClCH₂CH(ONO₂)CH₂ONO₂

PROP: Pale-yellow liquid. D: 1.51 @ 9°/0°, bp: 190–195° (decomp).

SAFETY PROFILE: A viscous liquid explosive. Upon decomposition it emits toxic fumes of Cl⁻ and NO_x. See also NITRATES and EXPLOSIVES.

CKU750 CAS: 3569-57-1 HR: 3
3-CHLOROPROPYL-*n*-OCTYLSULFOXIDE

mf: C₁₁H₂₃ClOS mw: 238.85

SYN: MGK REPELLENT 1,207

TOXICITY DATA with REFERENCE:

orl-rat LD50:5660 mg/kg PCOC** -,759,66

skn-rbt LD50:8 mg/kg PCOC** -,759,66

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by skin contact. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

CKV250**HR: 2****1-CHLORO-2-PROPYLENE**mf: C₃H₂Cl mw: 74.51**PROP:** Flash p: <59°F.

SAFETY PROFILE: A dangerous fire and explosion hazard when exposed to heat or flame. Incompatible with ammonia. When heated to decomposition it emits toxic fumes of Cl⁻. See also ACETYLENE COMPOUNDS and CHLORINATED HYDROCARBONS, ALIPHATIC.

CKV275 CAS: 624-65-7 HR: 3
3-CHLOROPROPYLENE

mf: C₃H₃Cl mw: 74.51**PROP:** Liquid. D: 1.045 @ 5°, bp: 65°.

SYN: PROPARGYL CHLORIDE

SAFETY PROFILE: A pressure-sensitive explosive. Reacts explosively with ammonia in a closed container. When heated to decomposition it emits toxic fumes of Cl⁻. See also ACETYLENE COMPOUNDS; CHLORINATED HYDROCARBONS, ALIPHATIC; and EXPLOSIVES.

CKV500 CAS: 87-42-3 HR: 3
6-CHLOROPURINE

mf: C₅H₃ClN₄ mw: 154.57**PROP:** Crystals from H₂O.

SYNS: 6-CHLORO-9H-PURINE □ 6-CHLORO-1H-PURINE (9CI)
 □ CIP □ NSC-744 □ SK 6048

TOXICITY DATA with REFERENCE:

mmo-sat 10 µL/plate ANYAA9 76,475,58

mmo-esc 10 µL/disc ANYAA9 76,475,58

mmo-omi 500 mg/L SOGEBZ 6,1509,70

hma-mus/sat 25 mg/kg MUREAV 26,455,74

ipr-rat LD50:400 mg/kg ADTEAS 3,181,68

orl-mus LD50:720 mg/kg NCISP* JAN86

ipr-mus LD50:132 mg/kg NCISP* JAN86

scu-mus LD50:514 mg/kg NCISP* JAN86

unr-mus LD50:230 mg/kg PMDCAY 7,69,70

SAFETY PROFILE: Poison by intraperitoneal and possibly other routes. Moderately toxic by ingestion and subcutaneous routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CKV625 CAS: 59-32-5 HR: 3
CHLOROPYRAMINE

mf: C₁₆H₂₀ClN₃ mw: 289.84

PROP: Light-yellow, viscous, oily liquid; pungent odor. Bp: 154–155°.

SYNS: ALLERGAN □ AVAPENA □ 2-((p-CHLOROBENZYL)(2-(DIMETHYLAMINO)ETHYL)AMINO)PYRIDINE □ N-(p-CHLOROBENZYL)-N',N'-DIMETHYL-N-(2-PYRIDYL)THYLENE-DIAMINE □ p-CHLOROBENZYL-α-PYRIDYL-DIMETHYL-AETHYL ENDIAMIN (GERMAN) □ CHLORONEOANTERGAN □ N-((4-CHLOROPHENYL)METHYL)-N',N'-DIMETHYL-N-2-PYRIDINY-1,2-ETHANEDIAMINE (9CI) □ CHLOROPYRIBENZ-AMINE □ HALOPYRAMINE □ SUPRASTIN □ SYNOPEN □ SYNOPEN R □ SYNPEN

TOXICITY DATA with REFERENCE:

orl-rat LD50:920 mg/kg ARZNAD 25,1723,75

ipr-rat LD50:104 mg/kg ARZNAD 25,1723,75

ivn-rat LD50:32,500 µg/kg ARZNAD 25,1723,75
 orl-mus LD50:354 mg/kg ARZNAD 25,1723,75
 ipr-mus LD50:79,200 µg/kg ARZNAD 25,1723,75
 ivn-mus LD50:24,100 µg/kg ARZNAD 25,1723,75
 ipr-gpg LD50:108 mg/kg ARZNAD 25,1723,75
 scu-gpg LD50:142 mg/kg ARZNAD 7,131,57

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

CKW000 CAS: 109-09-1 HR: 3
2-CHLOROPYRIDINE

DOT: UN 2822

mf: C₅H₄ClN mw: 113.55

PROP: Colorless, oily liquid or crystals. Mp: 65°, bp: 170°, d: 1.205 @ 15°, vap press: 1 mm @ 13.3°, vap d: 3.93.

SYNS: o-CHLOROPYRIDINE □ α-CHLOROPYRIDINE

TOXICITY DATA with REFERENCE:

mma-sat 5 mg/plate MUREAV 176,185,87
 sln-smc 4000 ppm MUREAV 163,23,86
 ihl-rat LCLo:100 ppm/4H TXAPA9 11,361,67
 orl-mus LD50:110 mg/kg TXAPA9 11,361,67
 ipr-mus LD50:130 mg/kg TXAPA9 11,361,67
 skn-rbt LD50:64 mg/kg TXAPA9 11,361,67
 ipr-rbt LD50:48 mg/kg TXAPA9 11,361,67
 orl-bwd LD50:1 g/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, and intraperitoneal routes. Combustible when exposed to heat or flame. Can react with oxidizing materials. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and phosgene.

CKW250 CAS: 626-60-8 HR: 3
3-CHLOROPYRIDINE

mf: C₅H₄ClN mw: 113.55

PROP: D: 1.194, bp: 148° @ 744 mm.

SYN: m-CHLOROPYRIDINE

TOXICITY DATA with REFERENCE:

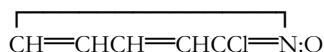
mnt-mus:lyms 1433 mg/L MUREAV 301,57,93
 cyt-mus:lyms 1433 mg/L MUREAV 301,57,93
 ipr-mus LD50:235 mg/kg TXAPA9 11,361,67
 orl-bwd LD50:750 mg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CKW325 CAS: 2402-95-1 HR: 3
2-CHLOROPYRIDINE-N-OXIDE

mf: C₅H₄ClNO mw: 129.55



SAFETY PROFILE: Decomposes violently when heated above 90°C. Upon decomposition it emits toxic fumes of Cl⁻ and NO_x.

CKW330 CAS: 122322-24-1 HR: 3
5-((6-CHLORO-3-PYRIDINYL)METHOXY)-2-(3,4-DICHLOROPHENYL)-4-iodo-3(2H)-PYRIDAZINONE

mf: C₁₆H₉Cl₃IN₃O₂ mw: 508.53

SYN: 3(2H)-PYRIDAZINONE, 5-((6-CHLORO-3-PYRIDINYL)METHOXY)-2-(3,4-DICHLOROPHENYL)-4-iodo-

TOXICITY DATA with REFERENCE:

orl-mus LD :>300 mg/kg USXXAM #4910201

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x, I⁻, and Cl⁻.

CKW335 CAS: 111988-43-3 HR: 3
(1-((6-CHLORO-3-PYRIDINYL)METHYL)-4,5-DIHYDRO-1H-IMIDAZOL-2-yl)CYANAMIDE

mf: C₁₀H₁₀ClN₅ mw: 235.70

TOXICITY DATA with REFERENCE:

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

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

CKW340 CAS: 101990-44-7 HR: 3
N-((6-CHLORO-3-PYRIDINYL)METHYL)-1,2-ETHANEDIAMINE

mf: C₈H₁₂ClN₃ mw: 185.68

TOXICITY DATA with REFERENCE:

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

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

CKW345 CAS: 200258-65-7 HR: 3
((6-CHLORO-3-PYRIDINYL)METHYL)-GUANIDINE

mf: C₇H₉ClN₄ mw: 184.65

TOXICITY DATA with REFERENCE:

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

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

CKW350 CAS: 101336-64-5 HR: 3
1-((6-CHLORO-3-PYRIDINYL)METHYL)HEXA-HYDRO-2-(NITROMETHYLENE)PYRIMIDINE

mf: C₁₁H₁₃ClN₄O₂ mw: 268.70

TOXICITY DATA with REFERENCE:

ipr-mus LD50:13 mg/kg TXAPA9 177,77,2001

ipr-mus TDLo:2 mg/kg TXAPA9 177,77,2001

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

CKW355 CAS: 120868-66-8 HR: 3

1-((6-CHLORO-3-PYRIDINYL)METHYL)-2-IMIDAZOLIDINONEmf: C₉H₁₀ClN₃O mw: 211.67**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by ingestion route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW360 CAS: 131206-84-3 HR: 3
1-((6-CHLORO-3-PYRIDINYL)METHYL)-2-IMIDAZOLIDINONE HYDRAZONE**mf: C₉H₁₂ClN₅ mw: 225.71**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW365 CAS: 141631-47-2 HR: 3
(1-((6-CHLORO-3-PYRIDINYL)METHYL)-2-IMIDAZOLIDINYLIDENE) ACETONITRILE**mf: C₁₁H₁₁ClN₄ mw: 234.71**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW370 CAS: 117906-15-7 HR: 3
1-((6-CHLORO-3-PYRIDINYL)METHYL)-3-METHYL-N-NITRO-2-IMIDAZOLIDINIMINE**mf: C₁₀H₁₂ClN₅O₂ mw: 269.72**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW380 CAS: 131748-56-6 HR: 3
N-((6-CHLORO-3-PYRIDINYL)METHYL)-N'-NITROGUANIDINE**mf: C₇H₈ClN₅O₂ mw: 229.65**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW385 CAS: 115086-54-9 HR: 3
1-((6-CHLORO-3-PYRIDINYL)METHYL)-N-NITRO-1H-IMIDAZOL-2-AMINE**mf: C₉H₈ClN₅O₂ mw: 253.67**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW400 CAS: 138261-41-3 HR: 3
1-((6-CHLORO-3-PYRIDINYL)METHYL)-N-NITRO-2-IMIDAZOLIDINIMINE**mf: C₉H₁₀ClN₅O₂ mw: 255.69**SYNS:** ADMIRE □ BAY-NTN 33893 □ 1-(6-CHLORO-3-PYRIDYL METHYL)-N-NITROIMIDAZOLIDIN-3-YLIDENEAMINE □ CONFIDOR □ CONFIDOR 200 SL □ GAUCHO □ IMIDACLOPRID □ 2-IMIDAZOLIDINIMINE, 1-((6-CHLORO-3-PYRIDINYL) METHYL)-N-NITRO- □ MERIT □ NTN 33893 □ PROVADO**TOXICITY DATA with REFERENCE:**

orl-rat LD50:410 mg/kg AGJAEF (63),15,1993

ihl-rat LC50:>5323 mg/m³ AGJAEF (63),15,1993

skn-rat LD50:>5 g/kg AGJAEF (63),15,1993

orl-mus LD50:98 mg/kg NNGADV 19,S209,1994

SAFETY PROFILE: A poison by ingestion. Moderately toxic by inhalation. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW410 CAS: 111988-49-9 HR: 3
(3-((6-CHLORO-3-PYRIDINYL)METHYL)-2-THIAZOLIDINYLIDENE)CYANAMIDE**mf: C₁₀H₉ClN₄S mw: 252.74**SYNS:** 3-(2-CHLOR-5-PYRIDYLMETHYL)-2-CYANIMINOTHIAZ OLIDIN □ CYANAMIDE, (3-((6-CHLORO-3-PYRIDINYL)-METHYL)-2-THIAZOLIDINYLIDENE)- □ NTN 33894 □ THIAZLOPRID □ YRC 2894**TOXICITY DATA with REFERENCE:**

orl-rat LD50:444 mg/kg NTIS** OTS0559690

ihl-rat LC50:1223 mg/m³/4H NTIS** OTS0559691

ipr-mus LD50:28 mg/kg TXAPA9 177,77,2001

SAFETY PROFILE: A poison by intraperitoneal route. Moderately toxic by ingestion and inhalation. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**CKW435 CAS: 200258-66-8 HR: 3
((6-CHLORO-3-PYRIDINYL)METHYL)UREA**mf: C₇H₈ClN₃O mw: 185.63**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CKW500 CAS: 5428-90-0 HR: 3
CHLORO-3-PYRIDYLMERCURY**mf: C₅H₄ClHgN mw: 314.14**PROP:** Needles from H₂O. Mp: 279.5–280°. IDLH 10 mg/m³ (as Hg).**SYN:** 3-(CHLOROMERCURY)PYRIDINE**CONSENSUS REPORTS:** Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Probably a poison. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻, Hg, and NO_x.

CLB250 CAS: 78110-10-8 HR: 3
6'-CHLORO-2-(PYRROLIDINYL)-o-DIACE
TOTOLUIDIDE HYDROCHLORIDE

mf: C₁₅H₁₉ClN₂O₂•ClH mw: 294.81

SYNS: N-ACETYL-N-(2-CHLORO-6-METHYLPHENYL)-1-PYRROLIDINEACETAMIDE MONOHYDROCHLORIDE □ C 3199

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,609,58
 ipr-rat LD50:180 mg/kg ARZNAD 8,609,58
 ipr-mus LD50:120 mg/kg ARZNAD 8,609,58
 scu-mus LD50:325 mg/kg ARZNAD 8,609,58

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

CLC100 HR: 3
2'-CHLORO-2-PYRROLIDINYL-5'-TRIFLUORO
METHYLACETANILIDE HYDROCHLORIDE

mf: C₁₃H₁₄ClF₃N₂O•ClH mw: 343.20

SYNS: C 3078 □ 6'-CHLORO-2-PYRROLIDINYL-α,α,α-TRIFLUORO-m-ACETOTOLUIDINE, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MOD ARZNAD 8,270,58
 ipr-rat LD50:157 mg/kg ARZNAD 8,270,58
 scu-mus LD50:232 mg/kg ARZNAD 8,270,58

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

CLC125 HR: 3
4'-CHLORO-2-PYRROLIDINYL-3'-TRIFLUORO
METHYLACETANILIDE HYDROCHLORIDE

mf: C₁₃H₁₄ClF₃N₂O•ClH mw: 343.20

SYNS: C 3073 □ 4'-CHLORO-2-PYRROLIDINYL-α,α,α-TRIFLUORO-m-ACETOTOLUIDIDE, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 8,270,58
 ipr-rat LD50:174 mg/kg ARZNAD 8,270,58
 scu-mus LD50:460 mg/kg ARZNAD 8,270,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. A severe eye irritant. When heated to decomposition it emits toxic fumes of F⁻, NO_x and Cl⁻.

CLC500 CAS: 72-80-0 HR: 3
CHLOROQUINALDOL

mf: C₁₀H₇Cl₂NO mw: 228.08

PROP: Yellow needles from EtOH. Mp: 114–115° (decomp). Insol in H₂O; sol in CHCl₃, EtOH, C₆H₆, and hexane.

SYNS: CHLORQUINALDOL □ 5,7-DICHLORO-8-HYDROXYQUINALDINE □ 5,7-DICHLORO-2-METHYL-8-HYDROXYQUINOLINE □ 5,7-DICHLORO-2-METHYL-8-QUINOLINOL □

5,7-DICHLORO-8-QUINALDINOL □ HYDROXYDICHLOROQUINALDINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:660 mg/kg 29ZVAB -,33,69
 orl-dog LD50:2250 mg/kg 29ZVAB -,33,69
 orl-rbt LD50:160 mg/kg 29ZVAB -,33,69

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CLC750 CAS: 16064-14-5 HR: 3
6-CHLORO-4-QUINAZOLINONE

mf: C₈H₅ClN₂O mw: 180.60

SYN: 6-CHLORO-4(3H)-QUINAZOLINONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:404 mg/kg ARZNAD 12,1204,62
 ipr-mus LD50:340 mg/kg ARZNAD 12,1204,62

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

CLD000 CAS: 54-05-7 HR: 3
CHLOROQUINE

mf: C₁₈H₂₆ClN₃ mw: 319.92

SYNS: AMOKIN □ ARALEN □ ARTHROCHIN □ AVLOCLOR □ BEMACO □ BEMAPHATE □ BEMASULPH □ CHEMOCHIN □ CHINGAMIN □ CHLORAQUINE □ CHLOROCHIN □ 7-CHLORO-4-(4-DIETHYLAMINO-1-METHYLBUTYLAMINO)-QUINOLINE □ CHLOROQUINIUM □ N⁴-(7-CHLORO-4-QUINOLINYL)-N¹,N¹-DIETHYL-1,4-PENTANEDIAMINE □ CIDANCHIN □ CLORO CHINA □ COCARTRIT □ DELAGIL □ DICHINALEX □ ELESTOL □ GONTOCHIN □ HELIOPAR □ IMAGON □ IROQUINE □ KLOOROKIN □ LAPAQUIN □ MALAQUIN □ MALAREN □ MALAREX □ MESYLITH □ NEOCHIN □ NIVACHINE □ NIVAQUINE B □ QUINACHLOR □ QUINAGAMINE □ QUIN ERCYL □ QUINILON □ QUINOSCAN □ RESOCHIN □ RESO QUINA □ RESOQUINE □ REUMACHLOR □ REUMAQUIN □ ROQUINE □ RP 3377 □ SANOQUIN □ SENAQUIN □ SILBESAN □ SIRAGAN □ SN 6718 □ SN 7618 □ SOLPRINA □ SOPAQUIN □ TANAKAN □ TRESOCHIN □ TROCHIN □ W 7618 □ WIN 244

TOXICITY DATA with REFERENCE:

mno-sat 100 μmol/L AMACCC 9,77,76
 cyt-hmn:lym 100 mg/L BEXBAN 82,1095,76
 orl-wmn LDLo:110 mg/kg;CVS,GIT NEJMAG 318,1,88
 orl-wmn TDLo:3600 mg/kg/3Y TGMEAJ 32,216,80
 orl-man LDLo:86 mg/kg;CVS,GIT NEJMAG 318,1,88
 orl-hmn LDLo:20 mg/kg JETOAS 6,86,73
 orl-rat LD50:330 mg/kg JTCTDW 20,271,83
 ipr-rat LD50:102 mg/kg PHMGBN 13,401,75
 orl-mus LD50:311 mg/kg OYAA2 7,753,73
 ipr-mus LD50:66 mg/kg ARZNAD 32,1219,82
 scu-mus LD50:150 mg/kg JETOAS 6,86,73
 ivn-mus LD50:21,600 μg/kg CYLPDN 4,69,83
 ims-mus LD50:71 mg/kg CYLPDN 4,69,83
 scu-rbt LD50:75 mg/kg JETOAS 6,86,73
 ivn-rbt LD50:8 mg/kg JETOAS 6,86,73
 ims-rbt LDLo:80 mg/kg YHHPAL 15,630,80

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 13,47,77. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, intramuscular, and subcutaneous routes. Human systemic effects by ingestion: heart rate changes, nausea or vomiting. Human teratogenic effects by an unspecified route include developmental abnormalities of the urogenital system, eyes and ears, other unspecified areas, and postnatal effects. Human reproductive effects by an unspecified route: terminates pregnancy. Human mutation data reported. Questionable carcinogen. An antimalarial agent. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CLD100 CAS: 3545-67-3 HR: D
CHLOROQUINE DIHYDROCHLORIDE

mf: $\text{C}_{18}\text{H}_{26}\text{ClN}_3 \cdot 2\text{ClH}$ mw: 392.84

SYNS: 4-((4-AMINO-1-METHYLBUTYL)AMINO)-7-CHLOROQUINOLINE DIHYDROCHLORIDE □ ARALEN HYDROCHLORIDE □ QUINOLINE, 4-((4-AMINO-1-METHYLBUTYL)AMINO)-7-CHLORO-, DIHYDROCHLORIDE □ 1,4-PENTANEDIAMINE, N1-(7-CHLORO-4-QUINOLINYL)-N1,N1-DIETHYL-, DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

add-unr-lym 11 $\mu\text{mol/L}$ JMCMAR 21,658,1978

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x , HCl , and Cl^- .

CLD250 CAS: 50-63-5 HR: 3
CHLOROQUINE DIPHOSPHATE

mf: $\text{C}_{18}\text{H}_{26}\text{ClN}_3 \cdot 2\text{H}_3\text{O}_4\text{P}$ mw: 515.92

PROP: Dimorphic crystals. Mp: 193–195°.

SYNS: ALERMINE □ ARALEN DIPHOSPHATE □ ARALEN PHOSPHATE □ ARECHIN □ AROCLOR 54 □ AVLOCLOR □ BEMAPHATE □ CHINGAMIN □ 7-CHLOR-4-(4-(DIAETHYLAMINO)-1-METHYLBUTYLAMINO)-CHINOLINDIPHOSPHAT (GERMAN) □ 7-CHLORO-4-((4'-DIETHYLAMINO-1-METHYLBUTYL)AMINO)QUINOLINE DIPHOSPHATE □ CHLOROIN □ 2-((p-CHLORO- α -(2-DIMETHYLAMINO)ETHYL)BENZYL)-PYRIDINE MALEATE (1:1) □ CHLOROQUINE PHOSPHATE □ CHLOR-TRIMETON □ CQ □ DELAGIL □ GONTOCHIN PHOSPHATE □ HISTASPAN □ H-STADUR □ KHINGAMIN □ NOSCOSED □ RESOCHIN □ RESOCHIN DIPHOSPHATE □ RESOQUINE □ SANOQUIN □ TANAKAN □ TELDRIN □ TELODRON

TOXICITY DATA with REFERENCE:

mno-sat 100 mg/L MUREAV 68,41,79

orl-man TDLo:8571 $\mu\text{g/kg}$:GIT HUTODJ 8,387,89

orl-man TDLo:8571 $\mu\text{g/kg}$:GIT HUTODJ 8,387,89

orl-cld LDLo:250 mg/kg:BAH ATXKA8 23,204,68

orl-wmn TDLo:167 mg/kg:CVS,BPR,PUL JTCTDW 19,1067,82/83

orl-man LDLo:179 mg/kg ATXKA8 23,204,68

orl-rat LDLo:600 mg/kg 85GLAQ 1,390,46

orl-mus LD50:500 mg/kg TMPRAD 30,308,79

ipr-mus LD50:68 mg/kg 85GLAQ 1,390,46

scu-mus LD60:200 mg/kg ATMPA2 74,393,80

ivn-brd LD50:64,500 $\mu\text{g/kg}$ ARZNAD 20,1775,70

SAFETY PROFILE: A human poison by ingestion. Poison by intravenous, subcutaneous, and intraperitoneal routes. Human systemic effects by ingestion: EKG changes, blood pressure lowering, respiratory depression.

An experimental teratogen. Experimental reproductive effects. Human systemic effects: blood pressure lowering, coma, EKG changes, nausea or vomiting, nausea or vomiting, respiratory depression, ulceration or bleeding from duodenum. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and PO_x . See also CHLOROQUINE.

CLD500 CAS: 4213-44-9 HR: 3
CHLOROQUINE MUSTARD

mf: $\text{C}_{18}\text{H}_{24}\text{Cl}_3\text{N}_3 \cdot 2\text{ClH}$ mw: 461.72

SYNS: 4-((4-(BIS(2-CHLOROETHYL)AMINO)-1-METHYLBUTYL)AMINO)-7-CHLOROQUINOLINE, DIHYDROCHLORIDE □ ICR-25A □ NSC-17118

TOXICITY DATA with REFERENCE:

dnd-mus:lv 70 $\mu\text{mol/L}$ CNREA8 21,1124,61

dnd-mus:oth 70 $\mu\text{mol/L}$ CNREA8 21,1124,61

ipr-rat LD10:1100 $\mu\text{g/kg}$ CCROBU 17,63,62

ivn-dog LDLo:200 $\mu\text{g/kg}$ CCSUBJ 2,202,65

ivn-mky LDLo:410 $\mu\text{g/kg}$ CCSUBJ 2,202,65

SAFETY PROFILE: A deadly poison by intraperitoneal and intravenous routes. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also CHLOROQUINE.

CLD600 CAS: 130-16-5 HR: 2
5-CHLORO-8-QUINOLINOL

mf: $\text{C}_9\text{H}_6\text{ClNO}$ mw: 179.61

SYNS: 5-CHLORO-8-HYDROXYQUINOLINE □ CHLOROXYQUINOLINE □ 8-QUINOLINOL, 5-CHLORO-

TOXICITY DATA with REFERENCE:

mma-sat 50 nmol/plate MUREAV 42,335,77

orl-gpg LDLo:1200 mg/kg PSEBAA 28,484,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CLD750 CAS: 95-88-5 HR: 3
4-CHLORORESORCINOL

mf: $\text{C}_6\text{H}_5\text{ClO}_2$ mw: 144.56

PROP: Crystals from C_6H_6 . Mp: 89°, bp: 147°.

TOXICITY DATA with REFERENCE:

eye-rbt 5% MLD JAPMA8 46,185,57

orl-rat LD50:369 mg/kg FCTXAV 15,607,77

ipr-mus LD50:195 mg/kg JAPMA8 46,185,57

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Chlorophenols are on the Community Right-To-Know List.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Experimental reproductive effects. An eye irritant. A hair dye component. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROPHENOLS and RESORCINOL.

CLD800 CAS: 635-93-8 HR: 3

5-CHLOROSALICYLALDEHYDEmf: C₇H₅ClO₂ mw: 156.57**SYN:** SALICYLALDEHYDE, 5-CHLORO-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#05073

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**CLD825 CAS: 321-14-2 HR: 3****5-CHLOROSALICYLIC ACID**mf: C₇H₅ClO₃ mw: 172.57**SYNS:** BENZOIC ACID, 5-CHLORO-2-HYDROXY- □ SALICYLIC ACID, 5-CHLORO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:250 mg/kg PHMGBN 9,164,73

ipr-mus LDLo:250 mg/kg CBCCT* 7,792,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic vapors of Cl⁻.**CLE250 HR: 3**
CHLOROSILANES**PROP:** Compounds of Si, Cl, and H where the total number of atoms of Cl and H add up to 4. SiH₃Cl_{4-x}.**SAFETY PROFILE:** Poison by ingestion and inhalation, and a poisonous irritant to skin, eyes, and mucous membranes. Toxicity is based on HCl which is formed upon hydrolysis of a chlorosilane. Self-ignites in air. With a little ammonia, it forms a self-igniting product. They react with water or steam to produce heat and toxic and corrosive fumes of HCl. When heated to decomposition they emit highly toxic fumes of Cl⁻.**CLE500 CAS: 73928-01-5 HR: 2****3-CHLORO-4-STILBENAMINE**mf: C₁₂H₁₂ClN mw: 205.70**SYN:** 3-CHLORO-4-AMINOSTILBENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CLE600 CAS: 1331-28-8 HR: 3**
CHLOROSTYRENEmf: C₈H₇Cl mw: 138.60**SYN:** STYRENE, CHLORO-**TOXICITY DATA with REFERENCE:**

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

eye-rbt 500 mg open JIDHAN 30,63,48

orl-rat LD50:5200 mg/kg JIDHAN 30,63,48

orl-mus LD50:1230 mg/kg SAIGBL 15,544,73

ipr-mus LD50:1090 mg/kg SAIGBL 15,544,73

skn-rbt LD50:20 g/kg JIDHAN 30,63,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. A skin and eye irritant. A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.**CLE750 CAS: 2039-87-4 HR: 1**
o-CHLOROSTYRENEmf: C₈H₇Cl mw: 138.60**PROP:** A solid. Mp: -63.15°, bp: 188.6°, d: 1.100 @ 20°/4°.**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 50 ppm; STEL 75 ppm**ACGIH TLV:** TWA 50 ppm; STEL 75 ppm**SAFETY PROFILE:** A skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.**CLF000 CAS: 20697-04-5 HR: D**
3-CHLOROSTYRENE OXIDEmf: C₈H₇ClO mw: 154.60**SYNS:** (m-CHLOROPHENYL)OXIRANE □ (3-CHLOROPHENYL)OXIRANE (9CI) □ m-CHLOROSTYRENE OXIDE**TOXICITY DATA with REFERENCE:**

mmo-esc 2 mmol/L CMSHAF 7,737,78

msc-ham:lng 200 μmol/L CMSHAF 8,369,79

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.**CLF100 CAS: 956-04-7 HR: 3**
4-CHLOROSTYRYL PHENYL KETONEmf: C₁₅H₁₁ClO mw: 242.71**SYNS:** CHALCONE, 4-CHLORO-(6Cl,7Cl,8Cl) □ (4-CHLORO BENZYLIDENE)ACETOPHENONE □ p-CHLOROCHALCONE □ 4-CHLOROCHALCONE □ 3-(4-CHLOROPHENYL)-1-PHENYL-2-PROPEN-1-ONE □ p-CHLOROSTYRYL PHENYL KETONE □ 2-PROPEN-1-ONE, 3-(4-CHLOROPHENYL)-1-PHENYL-**TOXICITY DATA with REFERENCE:**

orl-mus LD:>1 g/kg PHARAT 46,542,91

ipr-mus LD50:>1 g/kg PHARAT 46,542,91

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by ingestion and intraperitoneal routes. A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.**CLF150 CAS: 3300-67-2 HR: 3**
o-CHLOROSTYRYL PHENYL KETONEmf: C₁₅H₁₁ClO mw: 242.71**SYNS:** CHALCONE, 2-CHLORO-(Cl,7Cl,8Cl) □ 2-CHLORO BENZYLIDENEACETOPHENONE □ 2-CHLOROCHALCONE □ 3-(2-CHLOROPHENYL)-1-PHENYL-2-PROPEN-1-ONE □ 2-PROPEN-1-ONE, 3-(2-CHLOROPHENYL)-1-PHENYL-**TOXICITY DATA with REFERENCE:**

orl-mus LD:>1 g/kg PHARAT 46,542,91

ipr-mus LD50:>750 mg/kg PHARAT 46,542,91

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of Cl^- .

CLF325 CAS: 14293-44-8 HR: 3
4-CHLORO-5-SULFAMOYL-2',6'-SALICYLOXYLIDIDE

mf: $\text{C}_{15}\text{H}_{15}\text{ClN}_2\text{O}_4\text{S}$ mw: 354.83

PROP: Crystals from methanol-water. Mp: 256° .

SYNS: 5-(AMINOSULFONYL)-4-CHLORO-N-(2,6-DIMETHYLPHENYL)-2-HYDROXY BENZAMIDE (9CI) \square AQUAPHOR \square BE 1293 \square BEI-1293 \square 4-CHLOR-5-SULFAMOYL-2',6'-SALICYLOXYLIDID (GERMAN) \square DIUREXAN \square XIPAMID \square XIPAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1640 mg/kg ARZNAD 25,245,75

ipr-rat LD50:320 mg/kg ARZNAD 25,245,75

orl-mus LD50:1810 mg/kg ARZNAD 25,245,75

ipr-mus LD50:520 mg/kg ARZNAD 25,245,75

scu-mus LD50:1480 mg/kg ARZNAD 25,245,75

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of Cl^- , SO_x , and NO_x .

CLF500 CAS: 25081-01-0 HR: 3
N-CHLOROSULFINYLIMIDE

mf: ClNOS mw: 97.52

O:S:NCI

PROP: Colorless liquid with suffocating smell. Mp: -80° , bp: 65.5° . Reacts vigorously with H_2O and Hg .

SAFETY PROFILE: May explode if melted in a sealed container. Reacts with chlorine fluoride to form an explosive, powerfully oxidizing product. When heated to decomposition it emits toxic fumes of Cl^- , SO_x , and NO_x .

CLG000 CAS: 73926-94-0 HR: 2
4-CHLORO-4'-(6-SULFO-2H-NAPHTHO(1,2-d)TRIAZOL-2-YL)-2,2'-STILBENEDISULFONIC ACID TRISODIUM SALT

mf: $\text{C}_{24}\text{H}_{13}\text{ClN}_3\text{O}_9\text{S}_3 \cdot 3\text{Na}$ mw: 688.00

SYN: 2-(4"-CHLOR-4'-STILBYL)NAFTOTRIAZOL-6,2',2"-TRISULFONAN SODNY (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 5 mg/24H SEV 28ZPAK -,250,72

orl-rat LD50:19,900 mg/kg 28ZPAK -,250,72

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , Na_2O , and SO_x .

CLG100 CAS: 4052-92-0 HR: 2
3-(CHLOROSULFONYL)BENZOYL CHLORIDE

mf: $\text{C}_7\text{H}_4\text{Cl}_2\text{O}_3\text{S}$ mw: 239.07

SYNS: BENZOYL CHLORIDE, m-(CHLOROSULFONYL)- \square BENZOYL CHLORIDE, 3-(CHLOROSULFONYL)- \square m-(CHLOROSULFONYL)BENZOYL CHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 50 μL MOD NTIS** OTS0537044

orl-rat LD50:1780 mg/kg NTIS** OTS0537044

skn-rbt LD :>3160 mg/kg NTIS** OTS0537044

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

CLG200 HR: 2
5-(CHLOROSULFONYL)-2,4-DICHLORO BENZOIC ACID

mf: $\text{C}_7\text{H}_4\text{Cl}_3\text{O}_4\text{S}$ mw: 290.52

SYN: 2,4-DICHLORO-5-CHLOROSULPHONYLBENZOIC ACID

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD FCTOD7 20,563,82

eye-rbt 100 mg SEV FCTOD7 20,573,82

eye-rbt 100 mg/4S rns SEV FCTOD7 20,573,82

SAFETY PROFILE: A skin and severe eye irritant.

When heated to decomposition it emits toxic fumes of Cl^- and SO_x .

CLG250 CAS: 1189-71-5 HR: 3
CHLOROSULFONYLISOCYANATE

mf: CClNO_3S mw: 141.54

$\text{ClSO}_2\text{N:C:O}$

PROP: Liquid which fumes in moist air. Fp: -43° , bp: 107° .

SAFETY PROFILE: A very strong irritant. Reacts violently with water or moist air forming CO_2 , $\text{H}_2\text{NS}_3\text{OH}$, and HCl . When heated to decomposition it emits toxic fumes of Cl^- , SO_x , and NO_x .

CLG500 CAS: 7790-94-5 HR: 3
CHLOROSULFURIC ACID

DOT: UN 1754/UN 2240

mf: ClHO_3S mw: 116.52

PROP: Strong acid; clear to cloudy or colorless to pale-yellow liquid; sharp odor. Fumes in moist air. Mp: -80° , bp: 155° , d: 1.77 @ 28° , vap press: 1 mm @ 32° , vap d: 4.02. Sol in CHCl_3 , CH_2Cl_2 , and Py ; insol in CS_2 and CCl_4 .

SYNS: CHLOROSULFONIC ACID \square CHLOROSULFONIC ACID (with or without sulfur trioxide) (UN 1754) (DOT) \square CHROMO SULFURIC ACID (UN 2240) (DOT) \square MONOCHLORO SULFURIC ACID \square SULFONIC ACID, MONOCHLORIDE \square SULFURIC CHLOROXYDRIN

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive, Poison (UN 1754); DOT Class: 8; Label: Corrosive (UN 2240)

SAFETY PROFILE: A poison irritant. See also SULFURIC ACID. Chlorosulfonic acid is corrosive, can cause severe acid burns and is very irritating to the eyes, lungs, and mucous membranes. It can cause acute toxic effects either in the liquid or vapor state. Inhalation of concentrated vapor may cause loss of consciousness with serious damage to lung tissue. Contact of liquid with the eyes can cause severe burns if the liquid is not immediately and completely removed. It also causes severe skin burns due to its highly corrosive action. Upon ingestion it will irritate the mouth, esophagus, and stomach to a serious degree and on contact with skin cause dermatitis. It may cause conjunctivitis even in the vapor form. If spilled on a person, remove all contaminated clothing, wash contaminated skin with copious amounts of water,

followed by a baking soda solution. Irrigate eyes with warm water for 15 minutes. Consult a physician.

Stored drums should be vented two times per month to control the hydrogen pressure, which is produced by the action of acid on the drum metal. Decomposes explosively on contact with water, alcohol, or acids. Explosive reaction with phosphorus. Violent reaction with silver nitrate. Potentially violent reaction with sulfuric acid or diphenyl ether. Incompatible with acetic acid, acetic anhydride, acetonitrile, acrolein, acrylic acid, acrylonitrile, allyl alcohol, allyl chloride, 2-amino ethanol, ammonium hydroxide, aniline, n-butylaldehyde, creosote oil, cresol, cumene, dichloroethyl ether, diethylene glycol monomethyl ether, diisobutylene, diisopropylether, epichloro hydrin, ethyl acetate, ethyl acrylate, ethylene chlorohydrin, ethylene cyanohydrin, ethylene diamine, ethylene glycol, ethylene glycol monoethyl ether acetate, ethylene imine, glyoxal, HCl, HF, H₂O₂, isoprene, mesityl oxide, metal powders, methyl ethyl ketone, HNO₃, 2-nitropropane, β-propiolactone, propylene oxide, pyridene, NaOH, sulfolane, styrene monomer, vinyl acetate, vinylidene chloride, water, organic matter, combustibles. Dangerous. To fight fire, avoid water, use dry chemicals. When heated to decomposition it emits toxic fumes of Cl⁻ and SO_x. See SULFURIC ACID, HYDROCHLORIC ACID, and SULFONATES.

CLG825 **CAS: 67287-95-0** **HR: 2**
4-CHLORO-5-SULPHAMOYLPHthalimide

mf: C₈H₅ClN₂O₄ mw: 228.60

SYN: 6-CHLORO-1,3-DIOXO-5-ISOINDOLINESULFONAMIDE

TOXICITY DATA with REFERENCE:

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

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

CLG900 **CAS: 855-19-6** **HR: 3**
4-CHLOROTESTOSTERONE 17-ACETATE

mf: C₂₁H₂₉ClO₃ mw: 364.95

SYNS: ANDROST-4-EN-3-ONE, 4-CHLORO-17-β-HYDROXY-, ACETATE □ ANDROST-4-EN-3-ONE, 17-(ACETYLOXY)-4-CHLORO-, (17-β)- □ 17-β-ACETOXY-4-CHLOROANDROST-4-EN-3-ONE □ ANABOLIT □ CHLOROTESTOSTERONE ACETATE □ 4-CHLOROTESTOSTERONE ACETATE □ CLOSTEBOL ACETATE □ MACROBIN □ MEGAGRISEVIT □ STEARANABOL □ STERABOL □ STERANABOL □ TEST-ANABOL □ TESTOMED □ TESTOSTERONE, 4-CHLORO-, ACETATE □ TURINABOL

TOXICITY DATA with REFERENCE:

orl-mus LD50:2780 µg/kg YAKUD5 9,759,1967

SAFETY PROFILE: A poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of Cl⁻.

CLH000 **CAS: 63938-10-3** **HR: 1**
CHLOROTETRAFLUOROETHANE

mf: C₂HClF₄ mw: 136.48

PROP: Colorless gas.

SYN: MONOCHLOROTETRAFLUOROETHANE (DOT)

SAFETY PROFILE: Probably acts as a simple asphyxiant. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES. When heated to decomposition it emits highly toxic fumes of F⁻ and Cl⁻.

CLH050 **CAS: 67287-95-0** **HR: 3**
6-CHLORO-2,3,4,5-TETRAHYDRO-3-METHYL-1-(3-METHYLPHENYL)-1H-3-BENZAZEPINE-7,8-DIOL, HYDROBROMIDE

mf: C₁₈H₂₀ClNO₂•BrH mw: 398.73

SYN: SKF 83959 HYDROBROMIDE

TOXICITY DATA with REFERENCE:

ims-mky TDLo:10 mg/kg JPETAB 293,1017,2000

SAFETY PROFILE: A poison by intramuscular route. When heated to decomposition it emits toxic vapors of NO_x, HBr, Br⁻, and Cl⁻.

CLH100 **CAS: 73663-86-2** **HR: 3**
5-CHLORO-1,2,3,4-TETRAHYDRO-9-MORPHOLINOACRIDINE HYDROCHLORIDE

mf: C₁₇H₁₉ClN₂O•ClH mw: 339.29

SYN: ACRIDINE, 1,2,3,4-TETRAHYDRO-5-CHLORO-9-MORPHOLINO-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#00332

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

CLH150 **CAS: 67287-39-2** **HR: 3**
6-CHLORO-2,3,4,5-TETRAHYDRO-1-PHENYL-1H-3-BENZAZEPINE-7,8-DIOL, HYDROBROMIDE

mf: C₁₆H₁₆ClNO₂•BrH mw: 370.67

SYN: (+/-)-SKF 81297 HYDROBROMIDE

TOXICITY DATA with REFERENCE:

ims-mky TDLo:3 mg/kg JPETAB 293,1017,2000

SAFETY PROFILE: A poison by intramuscular route. When heated to decomposition it emits toxic vapors of NO_x, HBr, Br⁻, and Cl⁻.

CLH160 **CAS: 74115-01-8** **HR: 3**
6-CHLORO-2,3,4,5-TETRAHYDRO-1-PHENYL-3-(2-PROPENYL)-1H-3-BENZAZEPINE-7,8-DIOL, HYDROBROMIDE

mf: C₁₉H₂₀ClNO₂•BrH mw: 410.74

SYN: (+/-)-SKF 77434 HYDROBROMIDE

TOXICITY DATA with REFERENCE:

ims-mky TDLo:10 mg/kg JPETAB 293,1017,2000

SAFETY PROFILE: A poison by intramuscular route. When heated to decomposition it emits toxic vapors of NO_x, HBr, Br⁻, and Cl⁻.

CLH500 **CAS: 6926-39-2** **HR: 3**
N-CHLOROTETRAMETHYLGUANIDINE

mf: C₅H₁₂ClN₃ mw: 149.63

SAFETY PROFILE: An unstable material (even at 0°C) that explodes if heated above 50°C. Upon decomposition it emits toxic fumes of Cl⁻ and NO_x.

CLH550 CAS: 38951-85-8 HR: 3
1-CHLORO-2,2,5,5-TETRAMETHYL-4-IMIDAZOLIDINONE

mf: C₇H₁₃ClN₂O mw: 176.67

SYNS: 4-IMIDAZOLIDINONE, 1-CHLORO-2,2,5,5-TETRAMETHYL- □ 9710MC

TOXICITY DATA with REFERENCE:

orl-rat LD50:227 mg/kg IJTofN 19,357,2000

skn-rat LD50:>5 g/kg IJTofN 19,357,2000

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

CLH625 CAS: 4113-57-9 HR: 3
5-CHLORO-1,2,3-THIADIAZOLE

mf: C₂HClN₂S mw: 120.56

PROP: Bp: 72–74° @ 27 mm.

SAFETY PROFILE: A heat- and impact-sensitive explosive. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x. See also EXPLOSIVES.

CLH750 CAS: 58-94-6 HR: 2
CHLOROTHIAZIDE

mf: C₇H₆ClN₃O₄S₂ mw: 295.73

PROP: Mp: 342.5–343° (decomp). Sol in alkali.

SYNS: ALURENE □ CHLORIAZID □ 6-CHLORO-2H-1,2,4-BENZOTHIADIAZINE-7-SULFONAMIDE-1,1-DIOXIDE □ 6-CHLORO-7-SULFAMOYL-2H-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE □ CHLOROTHIAZID □ CHLORSAL □ CHLOR THIAZIDE □ CHLORURIT □ CHLOTIDE □ CLOTIDE □ CT □ DIURESAL □ DIURIL □ DIURILIX □ DIURITE □ DIUTRID □ FLUMEN □ MINZIL □ NEO-DEMA □ SALISAN □ SALUNIL □ SALURETIL □ SALURIC □ SK-CHLOROTHIAZIDE □ THIAZIDE □ URINEX □ WARDUZIDE □ YADALAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 g/kg YAKUD5 21,775.79

ipr-rat LD50:1386 mg/kg 27ZIAQ -,77,73

ivn-rat LD50:200 mg/kg TXAPA9 1,333,59

orl-mus LD50:8 g/kg AIPTAK 118,467,59

ipr-mus LD50:1400 mg/kg JPETAB 134,273,61

ivn-mus LD50:940 mg/kg JPETAB 134,273,61

ivn-dog LD50:1000 mg/kg 27ZIAQ -,77,73

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

SAFETY PROFILE: Moderately toxic by intraperitoneal and intravenous routes. Mildly toxic by ingestion. Experimental reproductive effects. Has been implicated in aplastic anemia. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.

CLH800 CAS: 7672-94-8 HR: 3
6-CHLORO-2-THIO-2H-1,3-BENZOXAZINE-2,4(3H)-DIONE

mf: C₈H₄ClN₂O₂S mw: 213.64

SYN: 2H-1,3-BENZOXAZINE-2,4(3H)-DIONE, 6-CHLORO-2-THIO-

TOXICITY DATA with REFERENCE:

orl-mus LD50:200 mg/kg USXXAM #3595959

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

CLH810 CAS: 41219-31-2 HR: 3
6-CHLORO-4-THIOCHROMANYL-o,o-DIETHYL DITHIOPHOSPHATE

mf: C₁₃H₁₈ClO₂PS₃ mw: 368.91

SYNS: S-(6-CHLORO-3,4-DIHYDRO-2H-1-BENZOTHIOPYRAN-4-YL) o,o-DIETHYLPHOSPHORODITHIOATE □ PHOSPHORO DITHIOIC ACID, S-(6-CHLORO-3,4-DIHYDRO-2H-1-BENZO THIOPYRAN-4-YL) o,o-DIETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:63 mg/kg USXXAM #3883552

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of PO_x, SO_x, and Cl⁻.

CLH820 CAS: 41219-30-1 HR: 3
6-CHLORO-4-THIOCHROMANYL o,o-DIMETHYL DITHIOPHOSPHATE

mf: C₁₁H₁₄ClO₂PS₃ mw: 340.85

SYNS: S-(6-CHLORO-3,4-DIHYDRO-2H-1-BENZOTHIOPYRAN-4-YL) o,o-DIMETHYL PHOSPHORODITHIOATE □ PHOSPHORO DITHIOIC ACID, S-(6-CHLORO-3,4-DIHYDRO-2H-1-BENZO THIOPYRAN-4-YL) o,o-DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg USXXAM #3883552

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of PO_x, SO_x, and Cl⁻.

CLJ750 CAS: 2812-73-9 HR: 3
CHLOROTHIOFORMIC ACID ETHYL ESTER
DOT: UN 2826

mf: C₃H₅ClOS mw: 124.59

PROP: Bp: 52–55° @ 40 mm.

SYN: ETHYL CHLOROTHIOFORMATE (DOT)

DOT CLASSIFICATION: 8; Label: Corrosive, Poison

SAFETY PROFILE: Probably a poison by inhalation and ingestion. A corrosive irritant to skin, eyes, and mucous membranes. See also ESTERS and CHLORIDES. Flammable when exposed to heat or flame. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

CLJ800 CAS: 89-68-9 HR: 2
6-CHLOROTHYMOL

mf: C₁₀H₁₃ClO mw: 184.68

SYNS: 4-CHLORO-5-METHYL-2-(1-METHYLETHYL)PHENOL □ CHLOROTHYMOL □ CHLORTHYMOL □ PHENOL, 4-CHLORO-5-METHYL-2-(1-METHYLETHYL)-(9CI) □ THYMOL, 6-CHLORO-

TOXICITY DATA with REFERENCE:

scu-mus LD50:2460 mg/kg SIZSAR 3,73,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of Cl⁻.

CLK100 CAS: 95-49-8 HR: 3**o-CHLOROTOLUENE****DOT:** UN 2238mf: C₇H₇Cl mw: 126.59**PROP:** Liquid. Mp: -34°, bp: 159°, d: 1.08 @ 20°/4°. Volatile with steam. Sltly sol in water; freely sol in alc, benzene, chloroform, ether.**SYNS:** 2-CHLORO-1-METHYLBENZENE (9CI) □ 2-CHLORO TOLUENE □ HALSO 99 □ 1-METHYL-2-CHLOROBENZENE □ 2-METHYLCHLOROBENZENE □ o-TOLYL CHLORIDE**TOXICITY DATA with REFERENCE:**

ihl-rat LCLo:17,500 ppm DTLVS* 4,95,80

unr-rat LD50:5700 mg/kg GISAAA 45(12),64,80

unr-mus LD50:4400 mg/kg GISAAA 45(12),64,80

unr-gpg LD50:3000 mg/kg GISAAA 46(2),14,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 50 ppm**ACGIH TLV:** TWA 50 ppm**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by unspecified routes. Flammable when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻. See also TOLYL CHLORIDE and CHLORINATED HYDROCARBONS, AROMATIC.**CLK130 CAS: 25168-05-2 HR: 3****CHLOROTOLUENES****DOT:** UN 2238mf: C₇H₇Cl mw: 126.59**SYNS:** BENZENE, CHLOROMETHYL-(9CI) □ CHLORO METHYLBENZENE □ CHLOROTOLUENE □ ar-CHLORO TOLUENE □ TOLUENE, ar-CHLORO-**TOXICITY DATA with REFERENCE:**ihl-uns LC50:48 g/m³ GTPZAB 30(3),6,86**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by inhalation. A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.**CLK200 CAS: 87-60-5 HR: 3****3-CHLORO-o-TOLUIDINE**mf: C₇H₈ClN mw: 141.61**PROP:** Bp: 245°.**SYNS:** 1-AMINO-2-CHLORO-6-METHYLBENZENE □ 1-AMINO-3-CHLORO-2-METHYLBENZENE □ 2-AMINO-6-CHLORO TOLUENE □ AZOIC DIAZO COMPONENT 46 □ 3-CHLORO-2-METHYLANILINE □ 3-CHLOR-2-TOLUIDIN (CZECH) □ FAST SCARLET TR BASE □ SCARLET TR BASE**TOXICITY DATA with REFERENCE:**

dni-mus-orl 200 mg/kg MUREAV 46,305,77

orl-rat LD50:574 mg/kg 85JCAE -,613,86

orl-rat LD50:574 mg/kg MarJV# 29MAR77

orl-bwd LD50:237 mg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also other chloro toluidine entries.**CLK210 CAS: 615-65-6 HR: 3****2-CHLORO-p-TOLUIDINE**mf: C₇H₈ClN mw: 141.61**PROP:** Liquid. D: 1.151 @ 20°, mp: 7°, bp: 219° @ 732 mm.**SYNS:** BENZENAMINE, 2-CHLORO-4-METHYL- □ 2-CHLORO-4-METHYLANILINE □ 2-CHLOR-4-TOLUIDIN (CZECH) □ 4-METHYL-2-CHLOROANILINE**TOXICITY DATA with REFERENCE:**

skn-rbt 2 mg/24H SEV 85JCAE -,612,86

eye-rbt 250 µg/24H SEV 85JCAE -,612,86

mma-sat 1 µmol/plate MUREAV 77,317,80

orl-rat LD50:367 mg/kg 28ZPAK -,97,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by ingestion. A severe eye and skin irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also other chloro toluidine entries.**CLK215 CAS: 95-74-9 HR: 3****3-CHLORO-p-TOLUIDINE**mf: C₇H₈ClN mw: 141.61**PROP:** A solid or liquid. Mp: 26°, bp: 237–238.5°.**SYNS:** 1-AMINO-3-CHLORO-4-METHYLBENZENE □ 4-AMINO-2-CHLOROTOLUENE □ 2-CHLORO-4-AMINOTOLUENE □ 3-CHLORO-4-METHYLANILINE □ CPT □ DKC 1347 □ DRC 1339 □ NCI-C02040**TOXICITY DATA with REFERENCE:**

dni-mus-orl 200 mg/kg MUREAV 46,305,77

orl-rat LD50:1500 mg/kg TXAPA9 21,315,72

ipr-rat LD50:325 mg/kg TXAPA9 18,517,71

ivn-rat LD50:48 mg/kg TXAPA9 18,517,71

orl-mus LD50:316 mg/kg NCILB* NCI-E-C-72-3252,73

orl-pgn LD50:13 mg/kg TXAPA9 21,315,72

orl-qal LD50:1 mg/kg AECTCV 12,355,83

orl-bwd LD50:2400 µg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. NCI Carcinogenesis Bioassay (Feed); Results Negative: Mouse, Rat NCITR* NCI-CG-TR-145,78**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also other chloro toluidine entries.**CLK220 CAS: 95-69-2 HR: 3****4-CHLORO-o-TOLUIDINE**mf: C₇H₈ClN mw: 141.61**PROP:** Leaflets from EtOH. Mp: 29–30°, bp: 236–238° @ 730 mm.

SYNS: AMARTHOL FAST RED TR BASE □ 2-AMINO-5-CHLOROTOLUENE □ AZOENE FAST RED TR BASE □ AZOGENE FAST RED TR □ AZOIC DIAZO COMPONENT 11 BASE □ BRENTAMINE FAST RED TR BASE □ 5-CHLORO-2-AMINOTOLUENE □ 4-CHLORO-2-METHYLANILINE □ 4-CHLORO-6-METHYLANILINE □ 4-CHLORO-2-METHYL BENZENEAMINE □ 4-CHLORO-2-TOLUIDINE □ DAITO RED BASE TR □ DEVAL RED K □ DEVAL RED TR □ DIAZO FAST RED TRA □ FAST RED BASE TR □ FAST RED 5CT BASE □ FAST RED TR □ FAST RED TR11 □ FAST RED TR BASE □ FAST RED TRO BASE □ KAKO RED TR BASE □ KAMBAMINE RED TR □ 2-METHYL-4-CHLOROANILINE □ MITSUI RED TR BASE □ RED BASE CIBA IX □ RED BASE IRGA IX □ RED BASE NTR □ RED TR BASE □ SANYO FAST RED TR BASE □ TULABASE FAST RED TR

TOXICITY DATA with REFERENCE:

mmo-sat 400 µg/plate JPFCD2 19,95,84
 dnr-sat 250 mg/disc JPFCD2 19,95,84
 dnr-esc 2 g/disc JPFCD2 19,95,84
 oms-hmn:hla 1 mmol/L BECTA6 11,184,74
 slt-mus-ori 12 g/kg/3D-I MUREAV 135,219,84
 dnd-ham:lng 3 mmol/L/2H MUREAV 77,317,80
 scu-cat LDLo:310 mg/kg AHBAAM 110,12,33
 ori-brd LD50:75 mg/kg AECTCV 12,355,83

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,56,87; Human Inadequate Evidence IMEMDT 16,277,78; Animal Sufficient Evidence IMEMDT 30,61,83. Reported in EPA TSCA Inventory.

DFG MAK: Human Carcinogen

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Confirmed carcinogen. Poison by ingestion and subcutaneous routes. Human mutation data reported. In the presence of copper(II) chloride catalyst decomposition occurs above 239°C. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also other chloro toluidine entries.

CLK225 CAS: 95-79-4 HR: 3
5-CHLORO-o-TOLUIDINE

mf: C₇H₈ClN mw: 141.61

PROP: Solid. Bp: 237° @ 722 mm, mp: 21–22°.

SYNS: ACCO FAST RED KB BASE □ 1-AMINO-3-CHLORO-6-METHYLBENZENE □ 2-AMINO-4-CHLOROTOLUENE □ ANSIBASE RED KB □ AZOENE FAST RED KB BASE □ AZOIC DIAZO COMPONENT 32 □ 4-CHLORO-2-AMINOTOLUENE □ 3-CHLORO-6-METHYLANILINE □ 5-CHLORO-2-METHYLANILINE □ FAST RED KB AMINE □ FAST RED KB BASE □ FAST RED KB SALT □ FAST RED KB SALT SUPRA □ FAST RED KBS SALT □ GENAZO RED KB SOLN □ HILTONIL FAST RED KB BASE □ LAKE RED KB BASE □ METROGEN RED FORMER KB SOLN □ NAPHTHOSOL FAST RED KB BASE □ NCI-C02051 □ PHARMA ZOID RED KB □ RED KB BASE □ SPECTROLENE RED KB □ STABLE RED KB BASE

TOXICITY DATA with REFERENCE:

dni-mus-ori 200 mg/kg MUREAV 46,305,77
 ori-rat LD50:464 mg/kg NCILB* NIH-NCI-E-C-72-3252

CONSENSUS REPORTS: NTP Carcinogenesis Bioassay (feed): Clear Evidence: mouse NCITR* NCI-TR-187,79; (feed): Inadequate Studies: rat NCITR* NCI-TR-

187,79. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and tumorigenic data. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also AROMATIC AMINES.

CLK227 CAS: 87-63-8 HR: 3
6-CHLORO-o-TOLUIDINE

mf: C₇H₈ClN mw: 141.61

SYNS: 2-AMINO-3-CHLOROTOLUENE □ 3-CHLORO-2-AMINOTOLUENE □ 6-CHLORO-2-METHYLANILINE □ 6-CHLORO-2-TOLUIDINE □ o-TOLUIDINE, 6-CHLORO-

TOXICITY DATA with REFERENCE:

dni-mus-ori 200 mg/kg MUREAV 46,305,77
 scu-cat LDLo:200 mg/kg AHBAAM 110,12,33

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by subcutaneous route. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

CLK230 CAS: 7745-89-3 HR: 3
3-CHLORO-p-TOLUIDINE HYDROCHLORIDE

mf: C₇H₈ClN•ClH mw: 178.07

SYNS: CTH □ DRC-1,339 □ 4-METHYL-3-CHLOROANILINE HYDROCHLORIDE □ STARLICIDE

TOXICITY DATA with REFERENCE:

ori-rat LD50:655 mg/kg TXAPA9 18,517,71
 ipr-mus LD50:338 mg/kg TXAPA9 29,135,74
 ori-pgn LD50:18 mg/kg TXAPA9 21,315,72
 ori-ckn LD50:4 mg/kg PCOC** -,457,66
 ipr-ckn LDLo:100 mg/kg TXAPA9 22,458,72
 ori-dck LD50:18 mg/kg TXAPA9 21,315,72
 ori-bwd LD50:2400 µg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻. See also other chloro toluidine entries.

CLK235 CAS: 3165-93-3 HR: 3
4-CHLORO-2-TOLUIDINE HYDROCHLORIDE

DOT: UN 1579

mf: C₇H₈ClN•ClH mw: 178.07

SYNS: AMARTHOL FAST RED TR BASE □ AMARTHOL FAST RED TR SALT □ 2-AMINO-5-CHLOROTOLUENE HYDROCHLORIDE □ AZANIL RED SALT TRD □ AZOENE FAST RED TR SALT □ AZOGENE FAST RED TR □ AZOIC DIAZO COMPONENT 11 BASE □ BRENTAMINE FAST RED TR SALT □ CHLOR HYDRATE de 4-CHLOROORTHOTOLUIDINE (FRENCH) □ 5-CHLORO-2-AMINOTOLUENE HYDROCHLORIDE □ 4-CHLORO-2-METHYLANILINE HYDROCHLORIDE □ 4-CHLORO-6-METHYL ANILINE HYDROCHLORIDE □ 4-

CHLORO-2-METHYLBENZENE AMINE HYDROCHLORIDE □
 4-CHLORO-o-TOLUIDINE HYDRO CHLORIDE □ 4-CHLORO-o-TOLUIDINE HYDRO CHLORIDE (DOT) □ C.I. 37085 □ C.I. AZOIC DIAZO COMPONENT 11 □ DAITO RED SALT TR □ DEVOL RED K □ DEVOL RED TA SALT □ DEVOL RED TR □ DIAZO FAST RED TR □ DIAZO FAST RED TRA □ FAST RED 5CT SALT □ FAST RED SALT TR □ FAST RED SALT TRA □ FAST RED SALT TRN □ FAST RED TR SALT □ HINDASOL RED TR SALT □ KROMON GREEN B □ 2-METHYL-4-CHLOROANILINE HYDROCHLORIDE □ NATASOL FAST RED TR SALT □ NCI-C02368 □ NEUTROSEL RED TRVA □ OFNA-PERL SALT RRA □ RCRA WASTE NUMBER U049 □ RED BASE CIBA IX □ RED BASE IRGA IX □ RED SALT CIBA IX □ RED SALT IRGA IX □ RED TRS SALT □ SANYO FAST RED SALT TR

TOXICITY DATA with REFERENCE:

ipr-rat LD50:560 mg/kg NCIBR* NCI-E-68-1311,73
 ipr-mus LD50:680 mg/kg NCIBR* NCI-E-68-1311,73

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 48,123,90; Animal Inadequate Evidence, Human Inadequate Evidence IMEMDT 16,277,78. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse; No Evidence: rat NCITR* NCI-CG-TR-165,79. Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻. See also other chloro toluidine entries.

CLK325 CAS: 13710-19-5 HR: 3 N-(3-CHLORO-o-TOLYL)ANTHRANILIC ACID

mf: C₁₄H₁₂ClNO₂ mw: 261.72

PROP: Crystals from abs ethanol. Mp: 207–207.5°.

SYNS: N-(3-CHLORO-2-METHYLPHENYL)ANTHRANILIC ACID □ CLOTAM □ GEA 6414 □ N-(2-METHYL-3-CHLOROPHENYL) ANTHRANILIC ACID □ TOLFENAMIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:225 mg/kg TOIZAG 28,99,81
 ipr-rat LD50:238 mg/kg TOIZAG 29,851,83
 scu-rat LD50:246 mg/kg IYKEDH 14,838,83
 orl-mus LD50:280 mg/kg IYKEDH 14,838,83
 ipr-mus LD50:185 mg/kg IYKEDH 14,838,83
 scu-mus LD50:267 mg/kg IYKEDH 14,838,83

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

CLK500 CAS: 78371-90-1 HR: 3 1-(6-CHLORO-o-TOLYL)-3-CYCLOHEXYL-3-(2-(DIETHYLAMINO)ETHYL)UREA HYDROCHLORIDE

mf: C₂₀H₃₂ClN₃O•ClH mw: 402.46

TOXICITY DATA with REFERENCE:

ipr-rat LD50:41 mg/kg ARZNAD 8,664,58
 scu-mus LD50:87 mg/kg ARZNAD 8,664,58

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

CLK750 CAS: 78371-91-2 HR: 3 1-(6-CHLORO-o-TOLYL)-3-(3-(DIBUTYLAMINO)-PROPYL)UREA HYDROCHLORIDE

mf: C₁₉H₃₂ClN₃O•ClH mw: 390.45

TOXICITY DATA with REFERENCE:

eye-rbt 2% MOD ARZNAD 8,664,58
 ipr-rat LD50:275 mg/kg ARZNAD 8,664,58
 scu-mus LD50:450 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CLL000 CAS: 78371-93-4 HR: 3 1-(6-CHLORO-o-TOLYL)-3-(2-(DIETHYLAMINO)-ETHYL)-3-METHYLUREA

mf: C₁₅H₂₄ClN₃O mw: 297.87

SYN: C 3247

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58
 ipr-rat LD50:108 mg/kg ARZNAD 8,664,58
 scu-mus LD50:262 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CLL250 CAS: 78371-92-3 HR: 3 1-(6-CHLORO-o-TOLYL)-3-(2-(DIETHYLAMINO)-ETHYL)UREA HYDROCHLORIDE

mf: C₁₄H₂₂ClN₃O•ClH mw: 320.30

SYN: C 3182

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58
 ipr-rat LD50:212 mg/kg ARZNAD 8,664,58
 scu-mus LD50:500 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CLL500 CAS: 78371-95-6 HR: 3 1-(6-CHLORO-o-TOLYL)-3-(2-(DIETHYLAMINO)-ETHYL)-3-(2,6-XYLYL)UREA HYDROCHLORIDE

mf: C₂₂H₃₀ClN₃O•ClH mw: 424.46

SYN: C 3184

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58
 ipr-rat LD50:84 mg/kg ARZNAD 8,664,58
 scu-mus LD50:75 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CLL750 CAS: 78371-94-5 HR: 3 1-(6-CHLORO-o-TOLYL)-1-(2-(DIETHYLAMINO)-

**ETHYL)-3-(2,6-XYLYL)UREA
HYDROCHLORIDE**mf: $C_{22}H_{30}ClN_3O \cdot ClH$ mw: 424.46

SYN: C 3186

TOXICITY DATA with REFERENCE:

ipr-rat LD50:62 mg/kg ARZNAD 8,664,58

scu-mus LD50:90 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLM000 CAS: 78371-96-7 HR: 3
1-(6-CHLORO-o-TOLYL)-3-(3-(DIETHYLAMINO)-
PROPYL)UREA**mf: $C_{15}H_{24}ClN_3O$ mw: 297.87

SYN: C 3214

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:275 mg/kg ARZNAD 8,664,58

scu-mus LD50:450 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLM250 CAS: 78371-98-9 HR: 3
1-(6-CHLORO-o-TOLYL)-3-(2-(DIMETHYL-
AMINO) ETHYL)-3-ISOPROPYLUREA
HYDROCHLORIDE**mf: $C_{15}H_{24}ClN_3O \cdot ClH$ mw: 334.33

SYN: C 3246

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:22 mg/kg ARZNAD 8,664,58

scu-mus LD50:30 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLM500 CAS: 78371-97-8 HR: 3
1-(6-CHLORO-o-TOLYL)-3-(2-(DIMETHYL-
AMINO)ETHYL)UREA HYDROCHLORIDE**mf: $C_{12}H_{18}ClN_3O \cdot ClH$ mw: 292.24

SYN: C 3213

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:362 mg/kg ARZNAD 8,664,58

scu-mus LD50:1025 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .**CLM750 CAS: 78371-99-0 HR: 3
1-(6-CHLORO-o-TOLYL)-3-(3-(DIMETHYL-
AMINO) PROPYL)UREA HYDROCHLORIDE**mf: $C_{13}H_{20}ClN_3O \cdot ClH$ mw: 306.27

SYN: C 3229

TOXICITY DATA with REFERENCE:

ipr-rat LD50:300 mg/kg ARZNAD 8,664,58

scu-mus LD50:1375 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLN000 CAS: 78372-00-6 HR: 3
1-(6-CHLORO-o-TOLYL)-3-(4-METHOXY-
BENZYL)-3-(2-PIPERIDINOETHYL)UREA**mf: $C_{23}H_{30}ClN_3O_2$ mw: 416.01

SYN: C 5320

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:70 mg/kg ARZNAD 8,664,58

scu-mus LD50:130 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLN250 CAS: 78393-39-2 HR: 3
1-(6-CHLORO-o-TOLYL)-3-(4-METHOXY-
BENZYL)-3-(2-(PYRROLIDINYL)ETHYL)-
UREA HYDRO CHLORIDE**mf: $C_{22}H_{28}ClN_3O_2 \cdot ClH$ mw: 438.44

SYN: C 5324

TOXICITY DATA with REFERENCE:

ipr-rat LD50:72 mg/kg ARZNAD 8,664,58

scu-mus LD50:145 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLN325 CAS: 75318-76-2 HR: D
3-(4-CHLORO-o-TOLYL)-5-(m-METHOXY
PHENYL)-s-TRIAZOLE**mf: $C_{16}H_{14}ClN_3O$ mw: 299.78**TOXICITY DATA with REFERENCE:**scu-ham TDLo:200 $\mu g/kg$ (female 4-8D post):REP
RDMIDP 4,237,82**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .**CLN500 CAS: 78372-01-7 HR: 3
1-(4-CHLORO-o-TOLYL)-3-(p-METHYLBENZYL)-
3-(2-PYRROLIDINYLETHYL)UREA HYDRO
CHLORIDE**mf: $C_{22}H_{28}ClN_3O \cdot ClH$ mw: 422.44

SYN: C 5326

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58

ipr-rat LD50:85 mg/kg ARZNAD 8,664,58

scu-mus LD50:175 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**CLN750 CAS: 94-81-5 HR: 2
4-((4-CHLORO-o-TOLYL)OXY)BUTYRIC ACID**mf: $C_{11}H_{13}ClO_3$ mw: 228.69**PROP:** Crystals. Mp: 100. Very sltly sol in H_2O .

SYNS: BEXANE □ BEXONE □ CAN-TROL □ 4-(4-CHLOR-2-METHYLPHENOXY)-BUETTERSÄURE (GERMAN) □ 4-(4-CHLOR-2-METHYLPHENOXY)-BUTTERSÄURE (GERMAN) □ 4-(4-CHLORO-2-METHYLPHENOXY)BUTANOIC ACID □ γ -(4-CHLORO-2-METHYLPHENOXY)BUTYRIC ACID □ 4-(4-CHLORO-2-METHYLPHENOXY)BUTYRIC ACID □ (4-CHLORO-*o*-TOLYL OXY)BUTYRIC ACID □ LEGUMEX □ 4-(MCB) □ MCPB □ MCP-BUTYRIC □ 2-METHYL-4-CHLOROPHENOXYBUTYRIC ACID □ γ -2-METHYL-4-CHLOROPHENOXYBUTYRIC ACID □ 4-(2-METHYL-4-CHLOROPHENOXY)BUTYRIC ACID □ 4-(2-METHYL-4-CHLOROPHENOXY)-BUTTERSÄURE (GERMAN) □ PDQ □ THISTROL □ TRIFOLEX □ TRITROL □ TROPOTOX □ TROTOX □ U46 MCPB

TOXICITY DATA with REFERENCE:

sln-dmg-orl 4400 $\mu\text{mol/L}$ EXPEAM 30,621,74
mrc-smc 13,500 $\mu\text{mol/L}$ IARCCD 10,161,74
orl-rat LD50:680 mg/kg WRPCA2 4,36,65
orl-mus LD50:800 mg/kg FMCHA2 -,C43,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. An herbicide. When heated to decomposition it emits toxic fumes of Cl^- .

CLO000 CAS: 6062-26-6 HR: 2 (4-CHLORO-*o*-TOLYLOXY)BUTYRIC ACID SODIUM SALT

mf: $\text{C}_{11}\text{H}_{12}\text{ClO}_3\cdot\text{Na}$ mw: 250.67

SYNS: CANTROL □ 4-(4-CHLOR-2-METHYL-PHENOXY)-BUTTERSÄURE NATRIUMSALZ (GERMAN) □ CHLORO-METHYLPHENOXYBUTYRIC ACID SODIUM SALT □ 4-(4-CHLORO-2-METHYLPHENOXY)BUTYRIC ACID SODIUM SALT □ 4-(4-CHLORO-2-METHYLPHENOXY)BUTANOIC ACID, SODIUM SALT □ M&B 3046 □ MCPB □ 4-(MCPD) □ 4-(2-METHYL-4-CHLOROPHENOXY)BUTYRIC ACID, SODIUM SALT □ THISTROL □ TROPOTOX

TOXICITY DATA with REFERENCE:

orl-rat LD50:700 mg/kg PCOC** -,715,66
skn-rat LD50:1000 mg/kg WRPCA2 9,119,70
orl-mus LD50:600 mg/kg GTPZAB 10(3),50,66

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A pesticide. When heated to decomposition it emits toxic fumes of Cl^- and Na_2O .

CLO200 CAS: 1929-86-8 HR: 2 2-((4-CHLORO-*o*-TOLYL)OXY)PROPIONIC ACID POTASSIUM SALT

mf: $\text{C}_{10}\text{H}_{10}\text{ClO}_3\cdot\text{K}$ mw: 168.10

SYNS: GORDON'S MECOMEC □ HEDONAL MCPP □ MCPP POTASSIUM SALT □ MECOPEX □ MECOPROP POTASSIUM SALT □ METHOXONE M □ PROPANOIC ACID, 2-(4-CHLORO-2-METHYLPHENOXY)-, POTASSIUM SALT (9CI) □ PROPIONIC ACID, 2-((4-CHLORO-*o*-TOLYL)OXY)-, POTASSIUM SALT □ SYS 67MPROP □ VI-PEX

TOXICITY DATA with REFERENCE:

orl-rat TDLo:1320 mg/kg (female 4-18D post):TER TJADAB 33,11A,86
orl-rat LD50:930 mg/kg FMCHA2 -,C184,89

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- .

CLO500 CAS: 78372-02-8 HR: 3 1-(6-CHLORO-*o*-TOLYL)-3-(2-PYRROLIDINYL-ETHYL)UREA HYDROCHLORIDE

mf: $\text{C}_{14}\text{H}_{20}\text{ClN}_3\text{O}\cdot\text{ClH}$ mw: 318.28

SYN: C 3193

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58
ipr-rat LD50:210 mg/kg ARZNAD 8,664,58
scu-mus LD50:550 mg/kg ARZNAD 8,664,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CLO600 CAS: 94-76-8 HR: 3 CHLOROTOLYLTHIOGLYCOLIC ACID

mf: $\text{C}_9\text{H}_9\text{ClO}_2\text{S}$ mw: 216.69

SYNS: ACETIC ACID, ((4-CHLORO-2-METHYL)PHENYL)THIO- □ 4-CHLORO-2-METHYLPHENYLTHIOGLYCOLIC ACID □ RED 3B ACID

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of SO_x and Cl^- .

CLO700 CAS: 13820-45-6 HR: D CHLOROTRIAMMINEPLATINUM TRICHLORO PLATINATE(1-)

mf: $\text{Cl}_3\text{H}_3\text{NPt}\cdot\text{ClH}_3\text{N}_3\text{Pt}$ mw: 600.14

PROP: IDLH 4 mg/ m^3 (as Pt).

SYNS: PLATINUM(1+), TRIAMMINECHLORO-, (SP-4-2)-, (SP-4-2)-AMMINETRICHLOROPLATINATE(1-) (1:1) □ MAGNUS RED

TOXICITY DATA with REFERENCE:

mic-sat 25 $\mu\text{g/well}$ ENMUDM 3,555,1981

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x , Pt, and Cl^- .

CLO750 CAS: 569-57-3 HR: 3 CHLOROTRIANISENE

mf: $\text{C}_{23}\text{H}_{21}\text{ClO}_3$ mw: 380.89

PROP: Crystals from MeOH. Mp: 114–116°.

SYNS: ANISENE □ CHLORESTROLO □ 1,1',1''-(1-CHLORO-1-ETHENYL-2-YLIDENE)-TRIS(4-METHOXYBENZENE) □ CHLOROTRIANIZEN □ CHLOROTRISIN □ CHLOROTRIS(p-METHOXYPHENYL)ETHYLENE □ CHLORTRIANISEN □ CHLORESTROLO □ CLOROTRISIN □ CTA □ HORMONISENE □ KHLORTRIANIZEN □ MERBENTUL □ METACE □ NSC-10108 □ RIANIL □ TACE □ TACE-FN □ TRI-p-ANISYLCHLORO-ETHYLENE □ TRIS(p-METHOXYPHENYL) CHLORO-ETHYLENE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:37 mg/kg/2Y-C:ETA TXAPA9 11,489,67

CONSENSUS REPORTS: IARC Cancer Review:

Animal Inadequate Evidence IMEMDT 21,139,79;

Human Limited Evidence IMEMDT 21,139,79.

SAFETY PROFILE: Suspected human carcinogen with experimental tumorigenic data. Human reproductive

effects by ingestion: changes in fertility. Used in cancer treatment. When heated to decomposition it emits very toxic fumes of Cl^- .

CLP000 CAS: 3151-41-5 HR: 3
CHLOROTRIBENZYLSTANNANE

mf: $\text{C}_{21}\text{H}_{21}\text{ClSn}$ mw: 427.56

PROP: Colorless needles from EtOAc. Mp: 142–144°.

SYNS: CHLORID TRIBENZYLCLINICITY (CZECH) □
 TRIBENZYLCHLOROSTANNANE □ TRIBENZYL TIN
 CHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,232,72

eye-rbt 20 mg/24H MOD 85JCAE -,1254,86

orl-rat LD50:175 mg/kg 28ZPAK -,232,72

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by ingestion. A skin and
 severe eye irritant. See also TIN COMPOUNDS. When
 heated to decomposition it emits toxic fumes of Cl^- .

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

CLP250 CAS: 2117-36-4 HR: 2
CHLOROTRIBUTYLGERMANIUM

mf: $\text{C}_{12}\text{H}_{27}\text{ClGe}$ mw: 279.43

SYN: TRIBUTYLCHLOROGERMANE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:1970 mg/kg CHDDAT 262,1302,66

ipr-rat LDLo:1970 mg/kg CHDDAT 262,1302,66

orl-mus LD50:1280 mg/kg 85JCAE -,1243,86

ipr-mus LDLo:1280 mg/kg CHDDAT 262,1302,66

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and
 intraperitoneal routes. When heated to decomposition it
 emits very toxic fumes of Cl^- . See also GERMANIUM
 COMPOUNDS.

CLP500 CAS: 1461-22-9 HR: 3
CHLOROTRIBUTYLSTANNANE

mf: $\text{C}_{12}\text{H}_{27}\text{ClSn}$ mw: 325.53

PROP: Liquid. D: 1.2105 @ 20°, bp: 171–173° @ 25
 mm.

SYNS: CHLORID TRI-n-BUTYLCLINICITY (CZECH) □
 TRIBUTYL CHLOROSTANNANE □ TRI-n-BUTYL TIN
 CHLORIDE □ TRI-n-BUTYLZINN-CHLORID (GERMAN)

TOXICITY DATA with REFERENCE:

eye-rbt 50 µg/24H SEV 28ZPAK -,231,72

mno-sat 100 ng/tube MUREAV 300,265,93

dnd-bcs 10 µg/disk MUREAV 280,195,92

orl-rat LD50:129 mg/kg 28ZPAK -,231,72

orl-mus LD50:60 mg/kg YKYUA6 30,505,79

orl-rbt LDLo:30 mg/kg SAIGBL 15,3,73

skn-rbt LDLo:70 mg/kg SAIGBL 15,3,73

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

DFG MAK: 0.0021 ppm (0.05 mg/m³)

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

SAFETY PROFILE: Poison by ingestion and skin
 contact. A severe eye irritant. Mutation data reported.
 Tributyl tin compounds are extremely toxic to marine life.
 See also TIN COMPOUNDS. When heated to
 decomposition it emits toxic fumes of Cl^- .

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

CLP625 HR: 3
3-CHLORO-3-TRICHLOROMETHYLDIAZIRINE

mf: $\text{C}_2\text{Cl}_4\text{N}_2$ mw: 193.85

SAFETY PROFILE: An extremely shock-sensitive
 explosive. Upon decomposition it emits toxic fumes of
 Cl^- and NO_x . See also EXPLOSIVES.

CLP750 CAS: 1929-82-4 HR: 3
2-CHLORO-6-(TRICHLOROMETHYL)PYRIDINE

mf: $\text{C}_6\text{H}_3\text{Cl}_4\text{N}$ mw: 230.90

PROP: Crystals. Mp: 62–63°. Very sltly sol in H_2O .

SYNS: DOWCO-163 □ NITRAPYRIN (ACGIH) □ N-SERVE
 NITROGEN STABILIZER

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate EMMUEG 11(Suppl 12),1,88

orl-rat LD50:940 mg/kg PCOC** -,819,66

orl-mus LD50:710 mg/kg GUHAZ 6,122,73

orl-rbt LD50:713 mg/kg FAATDF 11,464,88

skn-rbt LD50:850 mg/kg PCOC** -,819,66

orl-ckn LD50:235 mg/kg 28ZEAL 5,166,76

CONSENSUS REPORTS: NCI Carcinogenesis
 Studies (ipr); Clear Evidence: mouse, rat RRCRBU
 52,1,75. Reported in EPA TSCA Inventory.

OSHA PEL: Total Dust: 15 mg/m³; Respirable
 Fraction: 5 mg/m³

ACGIH TLV: TWA 10 mg/m³; STEL 20 mg/m³; Not
 Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion. Moderately
 toxic by skin contact. Experimental reproductive effects.
 Mutation data reported. When heated to decomposition it
 emits very toxic fumes of Cl^- and NO_x .

CLP800 CAS: 10140-99-5 HR: 2
2-CHLORO-1,1,3-TRIETHOXY PROPANE

mf: $\text{C}_9\text{H}_{19}\text{ClO}_3$ mw: 210.73

SYN: PROPIONALDEHYDE, 2-CHLORO-3-ETHOXY-, DIETHYL
 ACETAL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,546,1986

orl-rat LD50:1320 mg/kg AMIHBC 4,119,1951

ihl-rat LCLo:2000 ppm/4H JIHTAB 31,343,1949

skn-rbt LD50:8 mL/kg AMIHBC 4,119,1951

SAFETY PROFILE: Moderately toxic by ingestion and
 skin contact. Low toxicity by inhalation. A mild skin
 irritant. When heated to decomposition it emits toxic
 vapors of Cl^- .

CLQ250 CAS: 869-24-9 HR: 3
2-CHLOROTRIETHYLAMINE HYDROCHLORIDEmf: $C_6H_{14}ClN \cdot ClH$ mw: 172.12**SYNS:** β -CHLOROETHYLDIETHYLAMINE HYDROCHLORIDE
 \square (2-CHLOROETHYL)DIETHYLAMINE HYDROCHLORIDE \square
DIETHYLAMINOETHYL CHLORIDE HYDROCHLORIDE \square β -
DIETHYLAMINOETHYL CHLORIDE HYDROCHLORIDE \square
DIETHYL- β -CHLOROETHYLAMINEHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**mmo-sat 500 μ mol/L ENMUDM 3,11,81
mmo-esc 1 μ mol/L JPPMAB 31,67P,79
dns-rat:lv 100 μ mol/L ENMUDM 3,11,81
msc-mus:lym 22 μ mol/L ENMUDM 3,33,81
ipr-rat LD50:30 mg/kg CPBTAL 8,807,60
orl-mus LDLo:320 mg/kg AECTCV 14,111,85
ipr-mus LD50:71 mg/kg JPETAB 94,249,48
scu-mus LD50:100 mg/kg JPETAB 91,224,47
ivn-mus LD50:100 mg/kg JPETAB 91,224,47
ivn-rbt LDLo:40 mg/kg JPETAB 91,224,47
orl-bwd LD50:42 mg/kg TXAPA9 21,315,72**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also AMINES and CHLORIDES.**CLQ500 CAS: 15529-90-5 HR: 3**
CHLORO(TRIETHYLPHOSPHINE)GOLDmf: $C_6H_{15}AuClP$ mw: 350.60**PROP:** Crystals from EtOH. Mp: 78°, bp: 210° @ 0.03 mm. Sol in $CHCl_3$ and EtOH.**SYNS:** SK&F 36914 \square TRIETHYLPHOSPHINEAUROUS CHLORIDE**TOXICITY DATA with REFERENCE:**dni-hmn:oth 37,500 nmol/L BCPCA6 34,3243,85
orl-rat LD50:79 mg/kg VTPHAK 15(Suppl 5),1,78
orl-mus LD50:68 mg/kg VTPHAK 15(Suppl 5),1,78**SAFETY PROFILE:** Poison by ingestion. Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and PO_x . See also PHOSPHINE and GOLD.**CLQ750 CAS: 79-38-9 HR: 3**
CHLOROTRIFLUOROETHYLENE**DOT:** UN 1082mf: C_2ClF_3 mw: 116.47**PROP:** A gas. Fp: -157.5°, bp: -26.2°, flash p: -18°F, lel: 24%, uel: 40.3%.**SYNS:** 1-CHLORO-1,2,2-TRIFLUOROETHYLENE \square 2-CHLORO-1,1,2-TRIFLUOROETHYLENE \square CHLOROTRIFLUOROETHYLENE (GERMAN) \square CTFE \square DAIFLON \square FLUOROPLAST 3 \square GENETRON 1113 \square MONOCHLOROTRIFLUOROETHYLENE \square TRIFLUOROCHLOROETHYLENE (DOT) \square 1,1,2-TRIFLUORO-2-CHLOROETHYLENE \square TRIFLUOROMONOCHLOROETHYLENE \square TRIFLUOROVINYL CHLORIDE \square TRITHENE**TOXICITY DATA with REFERENCE:**ihl-rat LC50:1000 ppm/4H FLCRAP 1,197,67
orl-mus LD50:268 mg/kg ABMGAJ 21,377,68ihl-mus LC50:3000 ppm/7H ABMGAJ 21,377,68
ipr-mus LD50:175 mg/kg ABMGAJ 21,377,68
ihl-gpg LC50:4300 mg/m³/4H GTPZAB 21(5),36,77**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 2.1; Label: Flammable Gas**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Moderately toxic by inhalation. Very dangerous fire hazard when exposed to heat, flames (sparks), or oxidizers. To fight fire, stop flow of gas. Violent reaction when mixed with ($Br_2 + O_2$) or ($ClF_3 +$ water). Potentially explosive polymerization reaction with ethylene. Incompatible with 1,1-dichloroethylene; oxygen. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.**CLR000 CAS: 425-87-6 HR: 3**
2-CHLORO-1,1,2-TRIFLUOROETHYL METHYL ETHERmf: $C_3H_4ClF_3O$ mw: 148.52**PROP:** A liquid. D: 1.364 @ 20°/4°. Mp: -92.6°, mp: -109.4° (dimorph), bp: 70.6°.**TOXICITY DATA with REFERENCE:**eye-rbt 2 mg open SEV AMIHBC 4,119,51
orl-rat LD50:5130 mg/kg AMIHBC 4,119,51
skn-rbt LD50:200 mg/kg AMIHBC 4,119,51**SAFETY PROFILE:** Poison by skin contact. Mildly toxic by ingestion. Severe eye irritant. See also ETHERS. When heated to decomposition it emits very toxic fumes of Cl^- and F⁻. See also ETHERS, CHLORIDES, and FLUORIDES.**CLR250 CAS: 75-72-9 HR: 1**
CHLOROTRIFLUOROMETHANE**DOT:** UN 1022mf: $CClF_3$ mw: 104.46**PROP:** Colorless gas; ethereal odor. Mp: -181°, bp: -81.4°, fp: -181°.**SYNS:** ARCTON 3 \square F 13 \square FREON 13 \square GENETRON 13 \square HALOCARBON 13/UCON 13 \square MONOCHLOROTRIFLUORO METHANE (DOT) \square R 13 \square R13 (DOT) \square TRIFLUOROCHLORO METHANE (DOT) \square TRIFLUOROMETHYL CHLORIDE \square TRIFLUOROMONOCHLOROCARBON**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DFG MAK:** 1000 ppm (4300 mg/m³)**DOT CLASSIFICATION:** 2.2; Label: Nonflammable Gas**SAFETY PROFILE:** A mild irritant. Narcotic in high concentrations. Reacts violently with Al. When heated to decomposition it emits highly toxic fumes of F⁻ and Cl⁻.**CLR300 CAS: 50594-77-9 HR: 2**
2-CHLORO-4-TRIFLUOROMETHYL-3'-ACETOXY DIPHENYL ETHERmf: $C_{15}H_{10}ClF_3O_3$ mw: 330.70**SYNS:** 3-(2-CHLORO-4-(TRIFLUOROMETHYL)PHENOXY) PHENOL ACETATE \square PHENOL, 3-(2-CHLORO-4-(TRIFLUORO METHYL)PHENOXY)-, ACETATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 mg/kg NTIS** OTS0537698
 skn-rbt LD50:1920 mg/kg NTIS** OTS0537697

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

CLR825 CAS: 58911-30-1 HR: 3
3-CHLORO-3-TRIFLUOROMETHYLDIAZIRINE

mf: C₂ClF₃N₂ mw: 144.48

PROP: Gas. Bp: -19°.

SAFETY PROFILE: Potentially explosive. When heated to decomposition it emits toxic fumes of F⁻, Cl⁻, and NO_x.

CLS000 CAS: 6294-93-5 HR: 3
4-CHLORO-3-TRIFLUOROMETHYLPHENOL

mf: C₇H₄ClF₃O mw: 196.56

SYN: p-CHLORO-m-TRIFLUOROMETHYLPHENOL

TOXICITY DATA with REFERENCE:

orl-mus LD50:630 mg/kg 11FYAN 3,84,63

ivn-mus LD50:64 mg/kg 11FYAN 3,84,63

CONSENSUS REPORTS: Chlorophenols on the Community Right-To-Know List.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻. See also CHLOROPHENOLS.

CLS025 CAS: 63734-62-3 HR: 2
3-(2-CHLORO-4-(TRIFLUOROMETHYL)-PHENOXY)BENZOIC ACID

mf: C₁₄H₈ClF₃O₃ mw: 316.67

SYN: BENZOIC ACID,3-(2-CHLORO-4-(TRIFLUOROMETHYL)-PHENOXY)-

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV NTIS** OTS0537702

orl-rat LD50:1170 mg/kg NTIS** OTS0537709

ihl-rat LCLo:3400 mg/m³/4H NTIS** OTS0537702

skn-rbt LDLo:5 g/kg/kg NTIS** OTS0537709

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. Low toxicity by skin contact. A severe skin irritant. When heated to decomposition it emits toxic vapors of F⁻ and Cl⁻.

CLS050 CAS: 72178-02-0 HR: 1
5-(2-CHLORO-4-(TRIFLUOROMETHYL)-PHENOXY)-N-(METHYLSULFONYL)-2-NITRO BENZAMIDE

mf: C₁₅H₁₀ClF₃N₂O₆S mw: 438.78

SYNS: BENZAMIDE, 5-(2-CHLORO-4-(TRIFLUOROMETHYL)PHENOXY)-N-(METHYLSULFONYL)-2-NITRO- □ FLEX □ FOMESAFEN □ FOMESAFENE □ PP021 □ REFLEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:1250 mg/kg PEMNDP 9,433,91

skn-rbt LD50:>1 g/kg PEMNDP 9,433,91

orl-dck LD50:>5 g/kg PEMNDP 9,433,91

SAFETY PROFILE: Low toxicity by ingestion. Low toxicity by skin contact. When heated to decomposition it emits toxic vapors of SO_x, NO_x, F⁻, and Cl⁻.

CLS075 CAS: 50594-66-6 HR: 3
5-(2-CHLORO-4-(TRIFLUOROMETHYL)-PHENOXY)-2-NITROBENZOIC ACID

mf: C₁₄H₇ClF₃NO₅ mw: 361.67

SYNS: ACIFLUORFEN □ ACIFLUORFENE □ BENZOIC ACID, 5-(2-CHLORO-4-(TRIFLUOROMETHYL)PHENOXY)-2-NITRO- □ 5-(2-CHLORO-α-α-TRIFLUORO-p-TOLYLOXY)-2-NITRO-BENZOIC ACID (IUPAC) □ TACKLE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1370 mg/kg PEMNDP 9,6,91

ihl-rat LC50:>6900 mg/m³/4H PEMNDP 9,6,91

orl-mus LD50:1370 mg/kg PEMNDP 9,6,91

skn-rbt LD50:3680 mg/kg PEMNDP 9,6,91

orl-qal LD50:325 mg/kg PEMNDP 9,6,91

orl-dck LD50:2821 mg/kg PEMNDP 9,6,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CLS100 CAS: 52334-81-3 HR: D
2-CHLORO-5-(TRIFLUOROMETHYL)PYRIDINE

mf: C₆H₃ClF₃N mw: 181.55

SYN: PYRIDINE, 2-CHLORO-5-(TRIFLUOROMETHYL)-

TOXICITY DATA with REFERENCE:

cyt-mus:lym 600 mg/L MUREAV 301,57,93

msc-mus:lym 800 mg/L MUREAV 301,57,93

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, F⁻, and Cl⁻.

CLS125 CAS: 25238-02-2 HR: 3
2-CHLORO-N,N,N'-TRIFLUOROPROPION AMIDINE

mf: C₃H₄ClF₃N₂ mw: 160.53

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

CLS250 CAS: 17230-87-4 HR: 3
4-(4-(4-CHLORO-α,α,α-TRIFLUORO-m-TOLYL)-4-HYDROXYPIPERIDINO)BUTYRO-PHENONE-4'-FLUOROHYDROCHLORIDE

mf: C₂₂H₂₂ClF₄NO₂•ClH mw: 480.36

PROP: Crystals from EtOH/Et₂O. Mp: 203.5–206°.

SYNS: CLOFLUPEROL HYDROCHLORIDE □ R 9298 □ SEPERIDOL □ SEPEROL

TOXICITY DATA with REFERENCE:

orl-rat LD50:195 mg/kg 27ZQAG -,186,72

scu-rat LD50:69 mg/kg 27ZQAG -,186,72

ivn-rat LD50:17 mg/kg 27ZQAG -,186,72

scu-mus LD50:47 mg/kg 27ZQAG -,186,72

ivn-mus LD50:19 mg/kg 27ZQAG -,186,72

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

CLS500 CAS: 7342-38-3 HR: 3

CHLORO(TRIISOBUTYL)STANNANEmf: $C_{12}H_{27}ClSn$ mw: 325.53**PROP:** Solid. D: 1.1290 @ 34°, mp: 30.2°, bp: 174° @ 13 mm.**SYN:** TRIISOBUTYL TIN CHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:5 mg/kg CSLNX* NX#05523

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** Poison by intravenous route. Tributyl tin compounds are very toxic to marine life. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**CLS750****HR: 3****CHLOROTRIMETHYLSILANE**mf: C_3H_9ClSi mw: 108.64**PROP:** Flash p: -4°F.**SAFETY PROFILE:** Reacts violently with water or hexafluoroisopropylideneaminolithium. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.**CLT000****CAS: 1066-45-1****HR: 3****CHLOROTRIMETHYLSTANNANE**mf: C_3H_9ClSn mw: 199.26**PROP:** Colorless needles. Mp: 42°, bp: 154–156°.**SYNS:** CHLOROTRIMETHYL TIN □ TRIMETHYLCHLOROSTANNANE □ TRIMETHYLCHLOROTIN □ TRIMETHYLSTANNYL CHLORIDE □ TRIMETHYL TIN CHLORIDE**TOXICITY DATA with REFERENCE:**

dni-rbt:oth 10 µg/L JTEHD6 16,229,85

orl-rat LD50:12,600 µg/kg AJPA4 97,59,79

ipr-rat LD50:7450 µg/kg NETOD7 4,127,82

ivn-mus LD50:1800 µg/kg CSLNX* NX#02983

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** A deadly poison by intravenous route. Experimental reproductive effects. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**CLT250****CAS: 1943-16-4****HR: 3****CHLOROTRINITROMETHANE**mf: $CClN_3O_6$ mw: 185.49**PROP:** D: 1.68 @ 20°/4°, bp: 32–32.5° @ 11 mm.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:29,300 µg/kg KHFZAN 10(6),53,76

ipr-mam LDLo:500 mg/kg COREAF 171,1396,20

ihl-mam LCLo:5 g/m³ COREAF 171,1396,20**SAFETY PROFILE:** Poison by intraperitoneal route. Mildly toxic by inhalation. Potentially explosive. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**CLT500****CAS: 76-83-5****HR: 3****CHLOROTRIPHENYLMETHANE**mf: $C_{19}H_{15}Cl$ mw: 278.79**PROP:** Crystals from C₆H₆ or pet ether. Mp: 111–112°.**SYN:** TRITYL CHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#04021

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.**CLU000****CAS: 639-58-7****HR: 3****CHLOROTRIPHENYLSTANNANE**mf: $C_{18}H_{15}ClSn$ mw: 385.47**PROP:** Colorless crystals from alc. Mp: 106°, bp: 240° @ 13.5 mm. Insol in water; sol in org solvs.**SYNS:** AQUATIN □ BRESTANOL □ CHLOROTRIPHENYL TIN □ FENTIN CHLORIDE □ GC 8993 □ GENERAL CHEMICALS 8993 □ HOE 2872 □ LS 4442 □ TINMATE □ TPTC □ TRIPHENYL CHLOROSTANNANE □ TRIPHENYLCHLOROTIN □ TRIPHENYL TIN CHLORIDE**TOXICITY DATA with REFERENCE:**

sln-hmn:lyms 30 nmol/L MUREAV 246,109,91

oth-ham:ovr 60 µg/L MUREAV 300,5,93

orl-rat LD50:135 mg/kg FMCHA2 -,C245,83

orl-mus LD50:18 mg/kg FMCHA2 -,C245,83

ipr-mus LD50:21,500 µg/kg JICSAH 67,740,90

ivn-mus LD50:18 mg/kg CSLNX* NX#01649

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.**OSHA PEL:** TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and intravenous routes. Experimental reproductive effects. Mutation data reported. An insect chemosterilant. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**CLU250****CAS: 2279-76-7****HR: 3****CHLOROTRIPROPYLSTANNANE**mf: $C_9H_{21}ClSn$ mw: 283.44**PROP:** Colorless liquid. D: 1.2678 @ 28°, mp: -23.5°. Sol in org solvs.

SYNS: TRIPROPYL TIN CHLORIDE □ TRI-n-PROPYLTIN CHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:4 mg/kg CSLNX* NX#02220

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by intravenous route. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.

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

CLU500 CAS: 10008-90-9 HR: 3
CHLORO(TRIVINYL)STANNANE

mf: C₆H₉ClSn mw: 235.29

PROP: Colorless liquid. Bp: 59–60° @ 6 mm.

SYN: TRIVINYLTIN CHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:40 mg/kg CSLNX* NX#05524

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by intravenous route. See also TIN COMPOUNDS and CHLORIDES. When heated to decomposition it emits toxic fumes of Cl⁻.

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

CLV000 CAS: 541-25-3 HR: 3
CHLOROVINYLSARSINE DICHLORIDE

mf: C₂H₂AsCl₃ mw: 207.31

PROP: Liquid; faint odor of geranium. Bp: 190° decomp, fp: -13°, d: 1.888 @ 20°/4°, vap press: 0.4 mm @ 20°, vap d: 7.15.

SYNS: (2-CHLOROETHENYL) ARSONOUS DICHLORIDE □ β-CHLOROVINYLBICHLOROARSINE □ 2-CHLOROVINYLDICHLOROARSINE □ (2-CHLOROVINYLDICHLOROARSINE □ DICHLORO(2-CHLOROVINYLSARSINE □ LEWISITE □ LEWISITE (ARSENIC COMPOUND)

TOXICITY DATA with REFERENCE:

skn-hmn 95 µg NTIS** PB158-508

ihl-hmn LCLo:6 ppm/30M NTIS** PB214-270

ihl-hmn LC50:1500 mg/kg/M:PUL YKYUA6 30,355,79

ihl-rat LC50:580 mg/m³/1H NTIS** PB158-508

skn-rat LD50:15 mg/kg NTIS** PB158-508

scu-rat LD50:1 mg/kg JPBAA7 58,411,46

ihl-mus LC50:500 mg/m³/9M NTIS** PB158-508

skn-mus LD50:15 mg/kg NTIS** PB158-508

ihl-dog LC50:1400 mg/m³/15M NTIS** PB158-508

skn-dog LD50:15 mg/kg JPBAA7 58,411,46

scu-dog LD50:2 mg/kg JPBAA7 58,411,46

ivn-dog LD50:2 mg/kg NTIS** PB158-508

ihl-cat LC50:30 g/m³/30M NTIS** PB158-508

ihl-rbt LC50:1200 mg/m³/8M NTIS** PB158-508

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

SAFETY PROFILE: A human poison by inhalation. Poison experimentally by inhalation, skin contact, subcutaneous, intraperitoneal, and intravenous routes. An experimental teratogen. A blistering-type military poison. Lewisite is absorbed through skin; as little as 2 mL on the skin can cause death. Has a delayed action similar to distilled mustard gas. This gas exhibits a systemic poisoning effect on humans. When heated to decomposition it emits toxic fumes of Cl⁻ and As. See also ARSENIC COMPOUNDS.

CLV250 CAS: 64049-11-2 HR: 3
(2-CHLOROVINYLDIETHOXYARSINE

mf: C₆H₁₂AsClO₂ mw: 226.55

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:500 mg/m³ NDRC** -,7,43

skn-mus LDLo:80 mg/kg NDRC** -,24,42

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

SAFETY PROFILE: Poison by skin contact. Moderately toxic by inhalation. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of As and Cl⁻.

CLV375 CAS: 311-47-7 HR: 3
2-CHLOROVINYLDIETHYL PHOSPHATE

mf: C₆H₁₂ClO₄P mw: 214.60

SYNS: COMPOUND 1836 □ DIETHYL-2-CHLOROVINYLDIETHYL PHOSPHATE □ O,O-DIETHYL-O-(2-CHLOROVINYLDIETHYL PHOSPHATE □ OS 1836 □ SD 1836 □ SHELL OS 1836

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 mg/kg AMIHBC 9,45,54

ihl-rat LC50:22 ppm AMIHBC 9,45,54

ipr-rat LD50:9 mg/kg AMIHBC 9,45,54

orl-mus LD50:32 mg/kg PAREAQ 11,636,59

orl-rbt LD50: 3 mg/kg AMIHBC 9,45,54

skn-rbt LD50:18 mg/kg AMIHBC 9,45,54

SAFETY PROFILE: Poison by inhalation, skin contact, ingestion, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Cl⁻ and PO₃.

CLV500 CAS: 556-97-8 HR: D
1-CHLORO-3,5-XYLENE

mf: C₈H₉Cl mw: 140.62

PROP: Bp: 191°.

SYNS: 5-CHLORO-m-XYLENE □ 5-CHLORO-1,3-XYLENE □ m-XYLENE, 5-CHLORO-

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

CLW000 CAS: 88-04-0 HR: 3
4-CHLORO-3,5-XYLENOL

mf: C₈H₉ClO mw: 156.62

PROP: Crystals or prisms from (C₆H₆); phenolic odor. Mp: 115.5°, bp: 246°. Sltly water-sol.

SYNS: BENZYTOL □ 4-CHLORO-3,5-DIMETHYLPHENOL □ CHLORO-XYLENOL □ p-CHLORO-m-XYLENOL □ DESSON □ DETTOL □ ESPADOL □ HUSEPT EXTRA □ OTTASEPT □ OTTASEPT EXTRA □ PCMX □ RBA 777

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD JACTDZ 4(5),147,85
 orl-rat LD50:3830 mg/kg JACTDZ 4(5),147,85
 orl-mus LDLo:1600 mg/kg AECTCV 14,111,85
 ipr-mus LD50:115 mg/kg JAPMA8 41,595,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Chlorophenols are on the Community Right-To-Know List.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. An eye irritant. An antimicrobial agent. See also CHLOROPHENOLS and CHLORINATED HYDROCARBONS, AROMATIC. When heated to decomposition it emits toxic fumes of Cl⁻.

CLW250 CAS: 50892-23-4 HR: 3
(4-CHLORO-6-(2,3-XYLIDINO)-2-PYRIMIDINYL THIO)ACETIC ACID

mf: C₁₄H₁₄ClN₃O₂S mw: 323.82

PROP: Crystals from EtOAc. Mp: 150–153°.

SYNS: ((4-CHLORO-6-((2,3-DIMETHYLPHENYL)AMINO)-2-PYRIMIDINYL)THIO)ACETIC ACID □ WY-14,643

TOXICITY DATA with REFERENCE:

dns-rat:lvrl 1 mmol/L CALEDQ 24,147,84
 dni-mus:oth 100 μmol/L CNREA8 40,36,80
 orl-rat TDLo:29 g/kg/69W-C:CAR CNREA8 39,152,79
 orl-mus TDLo:37 g/kg/62W-C:CAR CNREA8 39,152,79
 orl-rat LD50:4150 mg/kg ATHSBL 30,45,78
 orl-mus LD50:1600 mg/kg ATHSBL 30,45,78

SAFETY PROFILE: Moderately toxic by ingestion. Suspected carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

CLW500 CAS: 65089-17-0 HR: 3
2-((4-CHLORO-6-(2,3-XYLIDINO)-2-PYRIMIDINYL)THIO)-N-(2-HYDROXYETHYL)-ACETAMIDE

mf: C₁₆H₁₉ClN₄O₂S mw: 366.90

PROP: Crystals from Me₂CO. Mp: 144–146°.

SYNS: BR-931 □ PIRINIXIL

TOXICITY DATA with REFERENCE:

dns-rat:lvrl 100 μmol/L CALEDQ 24,147,84
 dni-mus:oth 25 μmol/L CNREA8 40,36,80

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

CLW625 CAS: 30544-72-0 HR: 3
4-(p-CHLORO-N-2,6-XYLYLBENZAMIDO) BUTYRIC ACID

mf: C₁₉H₂₉ClNO₃ mw: 345.85

SYNS: B 66347 □ B 67347 □ N-(p-CHLOROBENZOYL)-γ-(2,6-DIMETHYLANILINO)-BUTTERSAEURE (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1900 mg/kg GWXXBX #1917036
 ivn-rat LD50:300 mg/kg GWXXBX #1917036
 orl-mus LD50:710 mg/kg GWXXBX #1917036
 ipr-mus LD50:305 mg/kg GWXXBX #1917036

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

CLW650 CAS: 16726-46-8 HR: 3
CHLOROXYPHENAMINE

mf: C₂₃H₃₁ClN₂O₃•2ClH mw: 491.93

SYNS: ETHANOL, 2-(2-(4-(2-((4-CHLOROPHENYL)PHENYL-METHOXY)ETHYL)-1-PIPERAZINYL) ETHOXY)-, 2HCL □ PIPERAZINE, 1-(2-(p-CHLOROBENZ HYDROXY)ETHYL)-4-(2-(2-HYDROXYETHOXY)ETHYL)-, DIHYDROCHLORIDE □ UCB 1486

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg 27ZQAG-314,1972
 ipr-rat LD50:150 mg/kg 27ZQAG-314,1972
 ivn-rat LD50:43 mg/kg 27ZQAG-314,1972
 orl-mus LD50:322 mg/kg 27ZQAG-314,1972
 ipr-mus LD50:125 mg/kg 27ZQAG-314,1972
 ivn-mus LD50:42 mg/kg 27ZQAG-314,1972

SAFETY PROFILE: A poison by intraperitoneal and intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.

CLX000 CAS: 54749-90-5 HR: 3
CHLOROZOTOCIN

mf: C₉H₁₆ClN₃O₇ mw: 313.73

SYNS: 1-(2-CHLOROETHYL)-3-(d-GLUCOPYRANOS-2-YL)-1-NITROSOUREA □ 2-(((2-CHLOROETHYL)NITROSOAMINO) CARBONYL)AMINO)-2-DEOXY-d-GLUCOPYRANOSE □ 2-(((2-CHLOROETHYL)NITROSOAMINO)CARBONYL)AMINO)-2-DEOXY-d-GLUCOSE □ 2-(3-(2-CHLOROETHYL)-3-NITROSO UREIDO)-2-DEOXY-d-GLUCOSOPYRANOSE □ 2-(3-(2-CHLOROETHYL)-3-NITROSOUREIDO)-d-GLUCO-PYRANOSE □ CHLZ □ CZT □ DCNU □ NSC-178248 □ NSC-D 254157

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate JJIND8 65,149,80
 mma-sat 100 mg/L/1H MUREAV 40,281,76
 dnd-rat-ipr 100 μmol/kg CNREA8 44,514,84
 sce-rat:oth 1 μmol/L CNREA8 43,473,83
 dnd-mam:lym 10 mmol/L CNREA8 44,1887,84
 ivn-hmn TDLo:2027 μg/kg/5D:BLD CTRRDO 63,17,79
 ivn-man TDLo:500 mg/kg:CNS,GIT,BLD CANCAR 46,2365,80
 ipr-rat LD50:28 mg/kg CALEDQ 8,133,79
 scu-rat LDLo:40 mg/kg TXAPA9 82,540,86
 ivn-rat LD50:22,500 μg/kg ONCOBS 37,177,80
 ipr-mus LD50:35 mg/kg INSSDM 19,123,81
 scu-mus LD50:66,230 μg/kg NCISP* JAN86
 ivn-mus LD10:15 mg/kg GANNA2 71,686,80

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 50,65,90; Animal Sufficient Evidence IMEMDT 50,65,90; Human No Adequate Data IMEMDT 50,65,90. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison

by subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by intravenous route: anorexia, leukopenia, nausea or vomiting, thrombocytopenia. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also NITROSAMINES.

CLX250 CAS: 633-59-0 HR: 3
CHLORPERPHENTHIXENE DIHYDRO-CHLORIDE

mf: $\text{C}_{22}\text{H}_{25}\text{ClN}_2\text{O}_5 \cdot 2\text{ClH}$ mw: 473.92

PROP: Crystals from $\text{MeOH}/\text{Et}_2\text{O}$. Mp: 257–258°. Very sol in H_2O ; insol in org solvents.

SYNS: AY 62021 □ 4-(3-(2-CHLOROTHIOXANTHEN-9-YLIDENE) PROPYL)-1-PIPERAZINEETHANOL DIHYDRO CHLORIDE □ CHLORPENTHIXOL DIHYDROCHLORIDE □ CIATYL □ CLOPENTHIXOL DIHYDROCHLORIDE □ CLOPIXOL □ N-746 □ SORDENAC □ SORDINOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:660 mg/kg 27ZQAG -,67,72
 ipr-rat LD50:105 mg/kg 27ZQAG -,67,72
 ivn-rat LD50:125 mg/kg 27ZQAG -,67,72
 orl-mus LD50:560 mg/kg 27ZQAG -,67,72
 ipr-mus LD50:222 mg/kg 27ZQAG -,67,72
 ivn-mus LD50:111 mg/kg USXXAM #3996211

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of SO_x , NO_x , and Cl^- .

CLX300 CAS: 132-22-9 HR: 3
CHLORPHENIRAMINE

mf: $\text{C}_{16}\text{H}_{19}\text{ClN}_2$ mw: 274.82

SYNS: ALLERGICAN □ ALLERGISAN □ 2-(p-CHLORO- α -(2-(DIMETHYLAMINO)ETHYL)BENZYL)PYRIDINE □ CHLORO PHENYL PYRIDAMINE □ 1-(p-CHLOROPHENYL)-1-(2-PYRIDYL)-3-DIMETHYLAMINOPROPANE □ 1-(p-CHLORO PHENYL)-1-(2-PYRIDYL)-3-N,N-DIMETHYLPROPYLAMINE □ 4-CHLORO PHENIRAMINE □ CHLOROPIRIL □ CHLORO-PROPHEPYRID AMINE □ CHLORPHENAMINE □ CHLORPROPHEPYRID AMINE □ CHLOR-TRIMETON □ CHLOR-TRIPOLON □ CLORFENIRAMINA □ CLOROPIRIL □ HAYNON □ HISTADUR □ PIRITON □ POLARONIL □ PYRIDINE, 2-(p-CHLORO- α -(2-(DIMETHYLAMINO)ETHYL) BENZYL)- □ 2-PYRIDINEPROPAN AMINE, γ -(4-CHLORO PHENYL)-N,N-DIMETHYL-(9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:118 mg/kg MEWEAC 17,2791,66
 orl-mus LD50:121 mg/kg MEWEAC 17,2791,66
 ipr-mus LD50:125 mg/kg YKKZAJ 92,1339,72
 scu-mus LD50:160 mg/kg BCFAAI 111,293,72
 ivn-mus LD50:20 mg/kg MEWEAC 17,2791,66
 ivn-rbt LD50:22 mg/kg MEWEAC 17,2791,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CLY250 CAS: 461-78-9 HR: 3

CHLORPENTERMINE

mf: $\text{C}_{10}\text{H}_{14}\text{ClN}$ mw: 183.70

PROP: A liquid. Bp: 231°.

SYNS: p-CHLORO- α , α -DIMETHYLPHENETHYLAMINE □ CHLORPENTERMINE □ β -(p-CHLOROPHENYL)- α , α -DIMETHYLETHYLAMINE □ 1-(p-CHLOROPHENYL)-2-METHYL-2-AMINOPROPANE □ CHLORPENTERAMINE

TOXICITY DATA with REFERENCE:

dns-rat-unr 300 mg/kg/5D-C 40QBA3 -,459,78
 oms-rat-unr 300 mg/kg/5D-C 40QBA3 -,459,78
 orl-man TDLo:5357 $\mu\text{g}/\text{kg}$:ANS,CVS THERAP 34,205,79
 orl-rat LD50:250 mg/kg NYKZAU 65(6),218S,69
 orl-mus LD50:270 mg/kg APPHAX 26,598,69
 ipr-mus LD50:150 mg/kg APSXAS 15,87,78
 scu-mus LD50:260 mg/kg APPHAX 26,598,69
 ivn-mus LD50:56 mg/kg CSLNX* NX#00697

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. Human systemic effects by ingestion: blood pressure elevation and sympathetic nervous system stimulation. An experimental teratogen. Mutation data reported. An anorectic drug which diminishes the appetite. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CLY500 CAS: 52-86-8 HR: 3
 γ -(4-(p-CHLOROPHENYL)-4-HYDROXYPYRIDINO)-p-FLUORBUTYROPHENONE

mf: $\text{C}_{21}\text{H}_{23}\text{ClFNO}_2$ mw: 375.90

PROP: A solid. Mp: 148–149.4°.

SYNS: ALDO □ ALOPERIDIN □ ALOPERIDOLO □ BROTOP-ON □ 4-(4-(4-CHLOROPHENYL)-4-HYDROXY-1-PIPERIDINYL)-1-(4-FLUOROPHENYL)-1-BUTANONE □ EINALON S □ EUKYSTOL □ 1-(3-p-FLUOROBENZOYL-PROPYL)-4-p-CHLOROPHENYL-4-HYDROXYPYRIDINE □ 4'-FLUORO-4-(4-HYDROXY-4-(4'-CHLOROPHENYL)PIPERIDINO)-BUTYRO-PHENONE □ GALO PERIDOL □ HALDOL □ HALOPERIDOL □ HALOSTEN □ 4-(4-HYDROXY-4'-CHLORO-4-PHENYL-PIPERIDINO)-4'-FLUORO BUTYROPHENONE □ KESELAN □ LEALGIN COMPOSITUM □ LINTON □ PELUCES □ PERNOX □ R 1625 □ SERENACE □ SERNAS □ SERNEL □ ULCOLIND □ ULIOLIND □ VESALIUM

TOXICITY DATA with REFERENCE:

mma-sat 100 nmol/plate CRNGDP 3,223,82
 cyt-hmn:fbr 10 g/L AMBUCH 6,42,79
 orl-man TDLo:9 mg/kg/30W-I:PNS BIPCBF 22,111,87
 orl-man TDLo:480 $\mu\text{g}/\text{kg}$ /6D-I:BAH AJPSAO 142,389,85
 orl-cld TDLo:72 $\mu\text{g}/\text{kg}$:BAH AJPSAO 143,1176,85
 orl-wmn TDLo:100 $\mu\text{g}/\text{kg}$ /10D-I:BLD JAGSAF 35,248,87
 orl-hmn TDLo:71 $\mu\text{g}/\text{kg}$:BAH JCPYDR 5,120,85
 unr-cld TDLo:375 $\mu\text{g}/\text{kg}$ /3D:CNS LANCAO 2,479,80
 unr-hmn TDLo:9800 $\mu\text{g}/\text{kg}$ /28D:BAH ARZNAD 32,911,82
 unr-man TDLo:500 $\mu\text{g}/\text{kg}$ /5D-I:BAH JAMAAP 250,485,83
 mul-man TDLo:343 $\mu\text{g}/\text{kg}$ SMJOAV 76,546,83
 mul-man TDLo:1 mg/kg/1D-I JCPYDR 3,338,83
 orl-rat LD50:128 mg/kg ARZNAD 24,45,74
 orl-rat LD50:128 mg/kg ARZNAD 24,45,74
 ipr-rat LD50:27 mg/kg 27ZQAG -,190,72
 scu-rat LD50:60 mg/kg NIIRDN 6,594,82

ivn-rat LD50:15 mg/kg NIIRDN 6,594,82
 orl-mus LD50:71 mg/kg FRPSAX 31,442,76
 ipr-mus LD50:30 mg/kg BCFAAI 111,293,72
 scu-mus LD50:41 mg/kg OYYAA2 1,74,67
 ivn-mus LD50:13 mg/kg ARZNAD 11,932,61

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Human systemic effects: change in motor activity, distorted perceptions, excitement, fasciculations, hallucinations, muscle contraction or spasticity, muscle weakness, rigidity, somnolence, tremors. A human teratogen by ingestion which causes developmental abnormalities of the musculoskeletal and cardiovascular (circulatory) systems, and abnormal conditions of newborn at birth. Human mutation data reported. An experimental teratogen. Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic data. A tranquilizer used in the treatment of schizophrenia and agitated psychoses. When heated to decomposition it emits very toxic fumes of F⁻, Cl⁻, and NO_x.

CLY600 CAS: 77-36-1 HR: 1
CHLORPHthalidolone

mf: C₁₄H₁₁ClN₂O₄S mw: 338.78

SYNS: BENZENESULFONAMIDE, 2-CHLORO-5-(2,3-DIHYDRO-1-HYDROXY-3-OXO-1H-ISOINDOL-1-YL)- (9CI) □ BENZENESULFONAMIDE, 2-CHLORO-5-(1-HYDROXY-3-OXO-1-ISOINDOLINYL)- □ CHLOROTHALIDONE □ CHLOR-PHTHALIDONE □ CHLORTALIDONE □ CHLORTHALIDON □ CHLOR THALIDONE □ G 33182 □ HYGROTON □ IGROTON □ ISOREN □ NATRIURAN □ ORADIL □ OXODOLIN □ PHTHALAMODINE □ PHTHALAMUDINE □ RENON □ SALURETIN □ ZAMBESIL

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:2587 µg/kg/8D-I:EYE,GIT JAMAAP 258,484,87
 orl-man TDLo:5714 µg/kg/4D-I:BPR,GLN JAMAAP 220,1592,72
 orl-wmn TDLo:12 mg/kg/6D-I:SYS SMJOAV 79,629,86

SAFETY PROFILE: Human systemic effects by ingestion: BP elevation, hyperglycemia, sodium and chlorine level changes, headache, nausea or vomiting. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x, NO_x, and Cl⁻.

CLY750 CAS: 84-01-5 HR: 3
CHLORPROETHAZINE

mf: C₁₉H₂₃ClN₂S mw: 346.95

PROP: Bp: 225–240° @ 1 mm.

SYNS: 2-CHLORO-10-(3-DIETHYLAMINOPROPYL)PHENOTHIAZINE □ NEURIPLEGE □ RP 4909

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg PSCBAY 2,17,63
 ipr-mus LD50:90 mg/kg PSCBAY 2,17,63
 scu-mus LD50:325 mg/kg PSCBAY 2,17,63
 ivn-mus LD50:80 mg/kg PSCBAY 2,17,63

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes.

When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

CLZ000 CAS: 4611-02-3 HR: 3
CHLORPROETHAZINE HYDROCHLORIDE

mf: C₁₉H₂₃ClN₂S•ClH mw: 383.41

PROP: A solid. Mp: 178°.

SYN: 2-CHLORO-10-(3-DIETHYLAMINOPROPYL)PHENOTHIAZINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg 27ZQAG -,14,72
 ipr-mus LD50:90 mg/kg 27ZQAG -,14,72
 scu-mus LD50:325 mg/kg 27ZQAG -,14,72
 ivn-mus LD50:80 mg/kg 27ZQAG -,14,72

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

CMA000 CAS: 5490-31-3 HR: 3
CHLORPROHEPTATRIEN

mf: C₂₀H₂₀ClN•ClH mw: 346.32

TOXICITY DATA with REFERENCE:

orl-mus LD50:250 mg/kg AIPTAK 144,481,63
 ivn-mus LD50:28,500 µg/kg AIPTAK 144,481,63

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

CMA100 CAS: 2921-88-2 HR: 3
CHLORPYRIFOS

mf: C₉H₁₁Cl₃NO₃PS mw: 350.59

PROP: Crystals with mild mercaptan odor. Mp:

42–43.5°. Very sltly sol in H₂O; sol in most org solvs.

SYNS: BRODAN □ CHLORPYRIFOS-ETHYL □ CHLORPYRIPHOS □ CHLORPYRIPHOS-ETHYL □ DETMOL U.A. □ O,O-DIAETHYL-O-3,5,6-TRICHLORO-2-PYRIDYLMONO THIOPHOSPHAT □ O,O-DIETHYL O-3,5,6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE □ DOWCO 179 □ DURSBN □ DURSBN F □ ENT 27,311 □ ERADEX □ ETHION, dry □ LORSBAN □ OMS-0971 □ PIRIDANE □ 2-PYRIDINOL, 3,5,6-TRICHLORO-, O-ESTER with O,O-DIETHYL PHOSPHOROTHIOATE □ PYRINEX □ STIPEND

TOXICITY DATA with REFERENCE:

cyt-dmg-orl 50 ppb/3S ENMUDM 5,835,83
 orl-man TDLo:300 mg/kg:PNS ARTODN 59,176,86
 orl-rat LD50:82 mg/kg TXAPA9 14,515,69
 ihl-rat LC50:>200 mg/m³/4H PEMNDP 9,166,91
 skn-rat LD50:202 mg/kg TXAPA9 14,515,69
 orl-mus LD50:60 mg/kg JESEDU 13,11,78
 ipr-mus LD50:192 mg/kg TXAPA9 65,144,82
 orl-rbt LD50:1000 mg/kg SPEADM 78-1,45,78
 skn-rbt LD50:2000 mg/kg GUCHAZ 6,203,73

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.2 mg/m³ (skin)

ACGIH TLV: TWA 0.1 mg/m³ (skin); Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion, intraperitoneal, skin contact, and inhalation routes.

Human systemic effects by ingestion: paresthesia, muscle weakness, coma. Experimental reproductive effects: developmental toxicity. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , PO_x , and SO_x .

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-62.

CMA250 CAS: 5598-13-0 HR: 2
CHLORPYRIFOS-METHYL

mf: $\text{C}_7\text{H}_7\text{Cl}_3\text{NO}_3\text{PS}$ mw: 322.53

PROP: A solid. Mp: 44.5–45.5°. Slightly sol in H_2O ; very sol in org solvs.

SYNS: O,O-DIMETHYL-O-(3,5,6-TRICHLORO-2-PYRIDYL) PHOSPHOROTHIOATE □ DOWCO 217 □ DURSBAN METHYL □ ENT 27,520 □ METHYL CHLORPYRIFOS □ METHYL DURSBAN □ NOLTRAN □ NSC-60380 □ OMS-1155 □ RELDAN □ ZERTELL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD TXAPA9 21,369,72
orl-rat LD50:1828 mg/kg HOEKAN 23,57,73
skn-rat LD50:3713 mg/kg YKYUA6 35,1315,84
orl-mus LD50:2032 mg/kg HOEKAN 23,57,73
ipr-mus LD50:2325 mg/kg TXAPA9 65,144,82
scu-mus LD50:23,800 mg/kg YKYUA6 30,409,79
orl-rbt LD50:2000 mg/kg BESAAT 15,123,69

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and skin contact routes. A skin irritant. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , PO_x , and SO_x . A pesticide.

CMA500 CAS: 3495-42-9 HR: 3
CHLORQUINOX

mf: $\text{C}_8\text{H}_2\text{Cl}_4\text{N}_2$ mw: 267.92

SYNS: LUCEL □ 5,6,7,8-TETRACHLOROQUINOXALINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:6400 mg/kg 28ZEAL 5,50,76
orl-rbt LD50:3000 mg/kg 28ZEAL 5,50,76
orl-brd LD50:400 mg/kg 28ZEAL 5,50,76

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

CMA600 CAS: 97919-22-7 HR: 3
CHLORSULFAQUINOXALINE

mf: $\text{C}_{14}\text{H}_{11}\text{ClN}_4\text{O}_2\text{S}$ mw: 334.80

SYNS: 4-AMINO-N-(5-CHLORO-2-QUINOXALINYL) BENZENESULFONAMIDE □ BENZENESULFONAMIDE, 4-AMINO-N-(5-CHLORO-2-QUINOXALINYL)- □ NSC-339004

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:600 mg/kg NTIS** PB87-128658
ivn-mus LD50:607 mg/kg NTIS** PB87-128658
ivn-dog LDLo:12 mg/kg NTIS** PB87-128658

SAFETY PROFILE: Poison by intravenous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x , NO_x , and Cl^- .

CMA700 CAS: 64902-72-3 HR: 2
CHLORSULFURON

mf: $\text{C}_{12}\text{H}_{12}\text{ClN}_5\text{O}_4\text{S}$ mw: 357.80

SYNS: BENZENESULFONAMIDE, 2-CHLORO-N-(((4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)AMINO)-CARBONYL)- □ 2-CHLORO-N-(((4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)-AMINOCARBONYL)-BENZENESULFONAMIDE □ 1-((O-CHLOROPHENYL)SULFONYL)-3-(4-METHOXY-6-METHYL-S-TRIAZIN-2-YL)UREA □ CHLORSULFON □ DPX 4189 □ GLEAN □ GLEAN 20DF □ TELAR □ UREA, 1-((O-CHLOROPHENYL)SULFONYL)-3-(4-METHOXY-6-METHYL-S-TRIAZIN-2-YL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:5545 mg/kg JAFCAU 29,416,81
ihl-rat LC50:>5900 $\text{mg}/\text{m}^3/4\text{H}$ 85JFAN A579,84
skn-rbt LD50:3400 mg/kg FMCHA2 -,C154,91

SAFETY PROFILE: Moderately toxic by skin contact route. Low toxicity by ingestion and inhalation routes. When heated to decomposition it emits toxic vapors of NO_x , SO_x , and Cl^- .

CMA750 CAS: 57-62-5 HR: 3
CHLORTETRACYCLINE

mf: $\text{C}_{22}\text{H}_{23}\text{ClN}_2\text{O}_8$ mw: 478.92

PROP: Golden-yellow crystals. Mp: 168–169°. Slightly sol in water; very sol in aq soln pH 7.65; freely sol in the “cellosolves,” dioxane, “Carbitol”; sol in methanol, ethanol, butanol, acetone, ethyl acetate, and benzene; insol in ether and pet ether.

SYNS: ACRONIZE □ AUREOCINA □ AUREOMYCIN □ AUREOMYCIN A-377 □ AUREOMYKIN □ BIOMITSIN □ BIOMYCIN □ 7-CHLORO-4-(DIMETHYLAMINO)-1,4,4a,5,5a,6,11,12a-OCTAHYDRO-2-NAPHTHACENE CARBOXAMIDE □ 7-CHLOROTETRACYCLINE □ CHRYSOMYKINE □ CTC □ DUOMYCIN □ FLAMYCIN

TOXICITY DATA with REFERENCE:

orl-rat LDLo:3 g/kg JAFCAU 17,497,69
ipr-rat LDLo:335 mg/kg CLDND*
orl-dog LDLo:750 mg/kg AAGAAW -,595,60
ivn-dog LD50:150 mg/kg HBTXAC 5,52,59
ipr-gpg LDLo:1800 mg/kg ANTBAL 20,793,75
ivn-gpg LDLo:100 mg/kg ANYAA9 51,182,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also TETRACYCLINE.

CMB000 CAS: 64-72-2 HR: 3
CHLORTETRACYCLINE HYDROCHLORIDE

mf: $\text{C}_{22}\text{H}_{23}\text{ClN}_2\text{O}_8 \cdot \text{ClH}$ mw: 515.38

PROP: Yellow crystals.

SYNS: AUREOCICLINA □ AUREOCYCLINE □ AUREOMYCIN HYDROCHLORIDE □ AUXEOMYCIN □ CHLOROTETRACYCLINE HYDROCHLORIDE □ CLOROTETRACICLINA CLORIDRATO (ITALIAN) □ ISPHAMYCIN □ NSC-13252 □ U-6780

TOXICITY DATA with REFERENCE:

orl-rat LD50:10,300 mg/kg TXAPA9 18,185,71
ivn-rat LD50:100 mg/kg BCFAAI 102,660,63
orl-mus LD50:2740 mg/kg FRPSAX 10,197,55
ipr-mus LD50:197 mg/kg RPOBAR 2,278,70
scu-mus LDLo:1000 mg/kg ANYAA9 51,254,48

ivn-mus LD50:101 mg/kg RPOBAR 2,278,70

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also TETRACYCLINE.

CLB022 CAS: 21923-23-9 HR: 3
CHLORTHIOPHOS

mf: $\text{C}_{11}\text{H}_{15}\text{Cl}_2\text{O}_3\text{PS}_2$ mw: 361.25

SYNS: CM-S 2957 □ O,O-DIETHYL O-(DICHORO (METHYLTHIO)PHENYL) PHOSPHOROTHIOATE □ O,O-DIETHYL O-DICHORO(METHYLTHIO)PHENYL THIOPHOSPHATE □ PHOSPHOROTHIOIC ACID, O-(DICHORO (METHYLTHIO)PHENYL) O,O-DIETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:7800 $\mu\text{g}/\text{kg}$ FMCHA2 -,C74,91

skn-rat LD50:121 mg/kg 85JFAN A093,83

orl-mus LD50:91,400 $\mu\text{g}/\text{kg}$ 85JFAN A093,83

skn-rbt LD50:50 mg/kg 85JFAN A093,83

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion and skin contact. When heated to decomposition it emits toxic fumes of Cl^- , PO_x , and SO_x .

CMB125 CAS: 14008-79-8 HR: 3
CHLORTROPBENZYL

mf: $\text{C}_{21}\text{H}_{21}\text{ClNO}\cdot\text{ClH}$ mw: 378.37

PROP: Crystals from 2-propanol. Mp: 215–217°.

SYNS: 3- α -(p-CHLORO- α -PHENYLBENZYL)OXY)-1- α -H,5- α -H-TROPANE HYDROCHLORIDE □ FC-1 □ SL-6057 □ TROPINE-4-CHLOROBENZHYDRYL ETHER HYDROCHLORIDE □ WY 2149

TOXICITY DATA with REFERENCE:

orl-rat LD50:364 mg/kg JPETAB 114,192,55

ipr-rat LD50:58 mg/kg JPETAB 114,192,55

orl-mus LD50:174 mg/kg JPETAB 114,192,55

ipr-mus LD50:32 mg/kg JPETAB 114,192,55

ivn-dog LDLo:28 mg/kg JPETAB 114,192,55

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

CMB250 HR: 3
CHLORYL HYPOFLUORITE

mf: ClFO_3 mw: 102.45

SAFETY PROFILE: An explosive. Upon decomposition it emits toxic fumes of F^- and Cl^- . See also CHLORIDES and FLUORIDES.

CMB500 CAS: 12442-63-6 HR: 3
CHLORYL PERCHLORATE

mf: Cl_2O_6 mw: 166.91

PROP: A red liquid. Mp: 3.5°, bp: 203°.

SAFETY PROFILE: Probably a poison and irritant due to its reactivity. A very powerful oxidant. Explodes when heated or on contact with water or thionyl chloride. Violent or explosive reaction with organic matter (e.g., ethanol; stopcock grease; wood). The least explosive of the chlorine oxide compounds. When heated to

decomposition it emits toxic fumes of Cl^- . See also CHLORIDES and PERCHLORATES.

CMB675 CAS: 35317-79-4 HR: 2
CHLOTAZOLE

mf: $\text{C}_5\text{H}_5\text{Cl}_3\text{N}_2\text{OS}$ mw: 247.53

SYNS: KHLOTAZOL □ 2,2,2-TRICHLORO-1-(2-THIAZOLYLAMINO)ETHANOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 mg/kg PCJOAU 17,519,83

orl-mus LD50:1 g/kg RPTOAN 46,213,83

ipr-mus LD50:708 mg/kg FRXXBL #2400361

orl-cat LD50:700 mg/kg PCJOAU 17,519,83

orl-rbt LD50:700 mg/kg PCJOAU 17,519,83

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Cl^- , SO_x , and NO_x .

CMB750 CAS: 12236-46-3 HR: 3
CHOCOLATE BROWN FB

SYNS: 11660 BROWN □ C.I. FOOD BROWN 2

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:250 mg/kg FCTXAV 5,159,67

ipr-mus LD50:210 mg/kg FCTXAV 5,159,67

SAFETY PROFILE: Poison by intraperitoneal route.

CMC000 CAS: 479-23-2 HR: 2
CHOLANTHRENE

mf: $\text{C}_{20}\text{H}_{14}$ mw: 254.34

PROP: Pale-yellow leaflets from $\text{C}_6\text{H}_6/\text{EtOH}$. Mp: 170–171°.

SYNS: BENZ(j)ACEANTHRYLENE □ 1,2-DIHYDRO-BENZ(j)ACEANTHRYLENE □ 7,8-DIMETHYLENE BENZ(a)ANTHRACENE

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

CMC750 CAS: 67-97-0 HR: 3
CHOLECALCIFEROL

mf: $\text{C}_{27}\text{H}_{44}\text{O}$ mw: 384.71

PROP: White crystals; odorless. Mp: 87–88°. Insol in water; sol in alc, chloroform, and fatty oils.

SYNS: COLECALCIFEROL □ 7-DEHYDROCHOLESTROL, ACTIVATED □ DELSTEROL □ DEPARAL □ D3-VIGANTOL □ OLEOVITAMIN D3 □ RICKETON □ 9,10-SECOCHOLESTA-5,7,10(19)-TRIEN-3- β -OL □ TRIVITAN □ VIGORSAN □ VITAMIN D3 □ VITINC DAN-DEE-3

TOXICITY DATA with REFERENCE:

orl-inf TDLo:39 mg/kg/34W-I BMJOAE 295,1173,87

orl-rat LD50:42 mg/kg TXAPA9 43,125,78

orl-mus LD50:42,500 $\mu\text{g}/\text{kg}$ DOVEAA 43(255-256),14,89

orl-dog LD50:80 mg/kg JAVMA4 193,211,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CMC800 HR: 3**CHOLERA ENTEROTOXIN**

SYNS: CHOLERA ENTERO-EXOTOXIN □ CHOLERAGEN □ ENTERO-EXOTOXIN, CHOLERA □ ENTEROTOXIN, CHOLERA

TOXICITY DATA with REFERENCE:

ivn-mus LD₅₀:260 µg/kg IMLCAV 1,223,72

ivn-mky LDLo:10 µg/kg TOXIA6 18,309,80

ivn-rbt LDLo:100 µg/kg TOXIA6 19,701,81

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

CMD000 CAS: 80-99-9 HR: 2**5-α-CHOLEST-7-EN-3-β-OL**

mf: C₂₇H₄₆O mw: 386.73

PROP: Needles from Me₂CO. Mp: 125–127°.

SYNS: Δ⁷-CHOLESTENOL □ 7-CHOLESTEN-3-β-OL □ CHOLESTERIN (GERMAN) □ LATHOSTEROL

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

CMD250 CAS: 3328-25-4 HR: 2**CHOLEST-6-EN-3-β-OL-5-α-HYDROPEROXIDE**

mf: C₂₇H₄₆O₃ mw: 418.73

SYNS: Δ⁶-CHOLESTEN-3-β-OL-5-α-HYDROPEROXIDE □ Δ⁶-CHOLESTEN-3-β-OL-5-α-HYDROPEROXYD (GERMAN) □ CHOLESTEROL-5-α-HYDROPEROXIDE

TOXICITY DATA with REFERENCE:

mno-sat 3600 nmol/L MUREAV 161,39,86

ipr-mus TDLo:200 mg/kg:NEO STRAAA 124,626,64

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

CMD500 CAS: 601-54-7 HR: 2**CHOLEST-5-EN-3-ONE**

mf: C₂₇H₄₄O mw: 384.71

PROP: Crystals from EtOH. Mp: 126–127°.

SYNS: CHOLESTENONE □ Δ⁵-CHOLESTENONE □ 5-CHOLESTEN-3-ONE □ CHOLESTERONE

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

CMD750 CAS: 57-88-5 HR: 2**CHOLESTEROL**

mf: C₂₇H₄₆O mw: 386.73

PROP: White or faint yellow, pearly leaflets from aq alc. Mp: 148.5° (anhyd), bp: 360° (decomp).

SYNS: CHOLEST-5-EN-3-β-OL □ Δ⁵-CHOLESTEN-3-β-OL □ 5-CHOLESTEN-3-β-OL □ 5:6-CHOLESTEN-3-β-OL □ CHOLESTERIN □ CHOLESTEROL BASE H □ CHOLESTERYL ALCOHOL □ CHOLESTRIN □ CHOLESTROL □ CORDULAN □ DUSOLINE □ DUSORAN □ DYTHOL □ HYDROCERIN □ 3-β-HYDROXY CHOLEST-5-ENE □ KATHRO □ LANOL □ NIMCO CHOLESTEROL BASE H □ PROVITAMIN D □ SUPER HARTOLAN □ TEGOLAN

TOXICITY DATA with REFERENCE:

mno-sat 500 µg/plate FCTOD7 20,35,82

dnd-mus:oth 1 µmol/L CJBBDU 62,94,84

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,161,87; Human Inadequate Evidence IMEMDT 31,95,83; Animal Inadequate Evidence IMEMDT 10,99,76. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. Used in pharmaceutical and dermal preparations as an emulsifying agent. When heated to decomposition it emits acrid smoke and irritating fumes.

CME000 CAS: 63019-46-5 HR: 2**CHOLESTEROL ISOHEPTYLATE**

mf: C₃₄H₅₈O₂ mw: 498.92

SYN: CHOLESTEROL-5-METHYL-1-HEXANOATE

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

CME250 CAS: 3546-10-9 HR: 3**CHOLESTERYL-p-BIS(2-CHLOROETHYL)-AMINO PHENYLACETATE**

mf: C₃₉H₅₉Cl₂NO₂ mw: 644.89

SYNS: (p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)ACETATE CHOLESTEROL □ (p-(BIS(2-CHLOROETHYL) AMINO)PHENYL)ACETIC ACID CHOLESTEROL ESTER □ (4-(BIS(2-CHLOROETHYL)AMINO)PHENYL)ACETIC ACID CHOLESTERYL ESTER □ 5-CHOLESTEN-3-β-OL 3-(p-(BIS(2-CHLOROETHYL) AMINO)PHENYL)ACETATE □ FENESTERIN □ FENESTRIN □ NCI-C01558 □ NSC-104469 □ PHENESTERINE □ PHENESTRIN

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (gavage); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-60,78.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and neoplastigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

CME400 CAS: 11041-12-6 HR: 2**CHOLESTYRAMINE**

SYNS: CHOLESTYRAMINE CHLORIDE □ CHOLESTYRAMINE RESIN □ COLESTYRAMIN □ CUEMID □ QUANTALAN □ QUESTRAN

TOXICITY DATA with REFERENCE:

orl-inf TDLo:4 g/kg/2D-I:SYS AJDCAI 141,479,87

orl-cld TDLo:46 g/kg/39W-I:NOSE CMAJAX 134,609,86

orl-rat LD₅₀:>4 g/kg DRUGAY -,412,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion. Questionable human carcinogen producing colon tumors. An experimental teratogen. Other experimental reproductive effects. Toxic effects by ingestion: acidosis and nosebleeds. When heated to decomposition it emits acrid smoke and irritating fumes.

CME675 CAS: 27959-26-8 HR: 1**CHOLEXAMIN**mf: C₃₄H₃₂N₄O₉ mw: 640.70**PROP:** Crystals from dilute acetic acid and aq alc; practically odorless and tasteless. Mp: 177–180°. Sltly sol in water; ethanol, and ether.**SYNS:** CHOLEXAMINE □ 2-HYDROXYCYCLOHEXANE-1,1,3,3-TETRAMETHANOL TETRAESTER with NICOTINIC ACID □ K 31 (pharmaceutical) □ NICOMOL □ 3-PYRIDINECARBOXYLIC ACID, (2-HYDROXY-1,3-CYCLOHEXANEDIYLIDENE) TETRAKIS (METHYLENE) ESTER □ 2,2,6,6-TETRAKIS (NICOTINOXYLOXYMETHYL)CYCLOHEXANOL □ TETRA-NICOTINIC ACID-2-HYDROXYCYCLOHEXA-1,1,3,3-TETRAMETHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:10 g/kg OYYAA2 14,741,77

SAFETY PROFILE: Mildly toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x. An anticholesteremic agent that reduces the blood cholesterol level. See also ESTERS.**CME750 CAS: 81-25-4 HR: 3****CHOLIC ACID**mf: C₂₄H₄₀O₅ mw: 408.64**PROP:** Crystals. Mp: 197° (anhyd). The most abundant bile acid; the monohydrate crystallizes in plates from dilute acetic acid; sol in glacial acetic acid, acetone, and alc. Sltly sol in chloroform, practically insol in water and benzene.**SYNS:** CHOLALIN □ CHOLSAEURE (GERMAN) □ COLALIN □ 3-α,7-α,12-α-TRIHYDROXY-5-β-CHOLAN-24-OIC ACID □ 3,7,12-TRIHYDROXY-CHOLAN-24-OIC ACID (3-α,5-β,7-α,12-α) □ 3-α,7-α,12-α-TRIHYDROXYCHOLANSAEURE (GERMAN)**TOXICITY DATA with REFERENCE:**

mmo-sat 50 mg/L MUREAV 158,45,85

sln-smc 400 mg/L CRNGDP 5,447,84

orl-mus LD50:4950 mg/kg ESKHA5 (103),29,85

ipr-mus LD50:330 mg/kg ARZNAD 20,323,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**CMF000 CAS: 62-49-7 HR: 3****CHOLINE**mf: C₅H₁₄NO mw: 104.20**SYNS:** BILINEURINE □ CHOLINE ION □ (2-HYDROXY-ETHYL) TRIMETHYLAMMONIUM □ 2-HYDROXY-N,N,N-TRIMETHYLETHANAMINIUM**TOXICITY DATA with REFERENCE:**

scu-cat LDLo:150 mg/kg HBAMAK 4,1289,35

ivn-cat LDLo:35 mg/kg 85IXA4 -,358,48

scu-rbt LDLo:800 mg/kg CRSBAW 83,481,20

ivn-rbt LDLo:70 mg/kg CRSBAW 83,481,20

rec-rbt LDLo:460 mg/kg CRSBAW 83,481,20

scu-frg LDLo:1500 mg/kg HBAMAK 4,1289,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by subcutaneous and intravenous routes. Moderately toxic by rectal route.Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and NH₃.**CMF250 CAS: 51-84-3 HR: 3****CHOLINE ACETATE (ESTER)**mf: C₇H₁₆NO₂ mw: 146.24**SYNS:** ACECOLINE □ ACETYLCHOLINE □ ACETYLCHOLINE ION □ 2-(ACETYLOXY)-N,N,N-TRIMETHYLETHANAMINIUM □ ACH □ ARTEROCOLINE □ CHOLINE ACETATE □ OVISOT**TOXICITY DATA with REFERENCE:**

scu-rat LD50:250 mg/kg 27ZIAQ -,29,73

ivn-rat LD50:22 mg/kg JPETAB 58,337,36

orl-mus LD50:3000 mg/kg JPETAB 58,337,36

ipr-mus LD50:170 mg/kg AIPTAK 192,88,71

scu-mus LD50:170 mg/kg JPETAB 58,337,36

ivn-mus LD50:11 mg/kg ATXKA8 29,39,72

ivn-rbt LD50:300 µg/kg 27ZIAQ -,39,73

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x. See also CHOLINE and ESTERS.**CMF260 CAS: 66-23-9 HR: 3****CHOLINE ACETATE (ESTER), BROMIDE**mf: C₇H₁₆NO₂•Br mw: 226.15**SYNS:** ACETOXYETHYL-TRIMETHYLAMMONIUM BROMIDE □ ACETYLCHOLINE BROMHYDRATE □ ACETYLCHOLINE BROMIDE □ ACETYLCHOLINE HYDROBROMIDE □ 2-(ACETYLOXY)-N,N,N-TRIMETHYLETHANAMINIUM BROMIDE □ CHOLINE, ACETYL-, BROMIDE □ ETHANAMINIUM, 2-(ACETYLOXY)-N,N,N-TRIMETHYL-, BROMIDE (9CI) □ PRAGMOLINE □ TONOCOLIN B**TOXICITY DATA with REFERENCE:**

scu-mus LD50:170 mg/kg JPETAB 103,62,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x and Br⁻.**CMF300 HR: D****CHOLINE BITARTRATE**mf: C₉H₁₉NO₇ mw: 253.25**PROP:** White crystalline powder; acetic taste. Sol in water; sltly sol in alc; insol in ether, chloroform, benzene.**SYN:** (2-HYDROXYETHYL)TRIMETHYLAMMONIUM BITARTRATE**SAFETY PROFILE:** When heated to decomposition emits toxic fumes of NO_x.**CMF350 CAS: 987-78-0 HR: 2****CHOLINE CYTIDINE DIPHOSPHATE**mf: C₁₄H₂₆N₄O₁₁P₂ mw: 488.38**PROP:** Hygroscopic powder.**SYNS:** CHOLINE, HYDROXIDE, 5'-ESTER with CYTIDINE 5'-(TRIHYDROGEN PYROPHOSPHATE), inner salt □ CDP-CHOLIN □ CDP-CHOLINE □ CDP-COLINA □ CEREB □ CHOLINE 5'-CYTIDINE DIPHOSPHATE □ CITICHOINE □ CITICOLINE □ CITIDIN DIFOSFATO de COLINA □ CITIDOLINE □ COLITE □ CYTIDINDIPHOSPHOCHOLIN □ CYTIDINE CHOLINE DIPHOS

PHATE □ CYTIDINE 5'-(CHOLINE DIPHOSPHATE) □
CYTIDINE DIPHOSPHATE CHOLINE □ CYTIDINE 5'-DIPHOSPHATE CHOLINE □ CYTIDINE DIPHOSPHATE CHOLINE
ESTER □ CYTIDINE DIPHOSPHATE CHOLIN ESTER □
CYTIDINE DIPHOSPHOCHOLINE □ CYTIDINE 5'-
DIPHOSPHOCHOLINE □ CYTIDINE DIPHOSPHORYL-
CHOLINE □ CYTIDOLINE □ ENSIGN □ NICHOLIN □
NICOLIN □ NITICOLIN □ RECOFNAN □ RECOGNAN □
SOMAZINA □ SUNCHOLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:18 g/kg DRUGAY 6,322,82
ipr-rat LD50:5344 mg/kg OYYAA2 20,109,80
scu-rat LD50:8218 mg/kg OYYAA2 20,109,80
ivn-rat LD50:2973 mg/kg OYYAA2 20,109,80
orl-mus LD50:12,500 mg/kg DRUGAY 6,322,82
ipr-mus LD50:5393 mg/kg OYYAA2 20,109,80
scu-mus LD50:5800 mg/kg DRUGAY 6,322,82
ivn-mus LD50:4600 mg/kg ARZNAD 33,1033,83

SAFETY PROFILE: Moderately toxic by intravenous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and PO_x.

**CMF400 CAS: 999-81-5 HR: 3
CHOLINE DICHLORIDE**

mf: C₅H₁₃Cl₂N • Cl mw: 158.09

PROP: Crystals. Mp: 245° (decomp). Very sol in H₂O.

SYNS: ANTYWYLEGACZ □ CCC PLANT GROWTH
REGULANT □ CE CE CE □ 2-CHLORAETHYLTRIMETHYL-
AMMONIUM CHLORID □ CHLORCHOLIN-CHLORID □
CHLORCHOLINE CHLORIDE □ CHLORMEQUAT □ CHLOR-
ME-UAT CHLORIDE □ CHLOROCHOLINE CHLORIDE □ (β-
CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE □ (2-
CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE □ 2-
CHLORO-N,N,N-TRIMETHYLETHANAMINIUM CHLORIDE □
60-CS-16 □ CYCLOCEL □ CYCOCEL □ CYCOCEL-EXTRA □
CYCOGAN □ CYCOGAN EXTRA □ CYOCEL □ EI 38,555 □
ETHANAMINIUM, 2-CHLORO-N,N,N-TRIMETHYL-, CHLORIDE
(9CI) □ HICO CCC □ HORMOCEL-2CCC □ INCRECEL □
LIHOCIN □ NCI-C02960 □ RETACEL □ STABILAN □
TRIMETHYL-β-CHLORETHYL AMMONIUMCHLORID □ TUR

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,616,86
dni-mus-ivg 5 pph JIDEAE 62,378,74
orl-hmn LDLo:10 mg/kg:PUL AXVMAW 31,527,77
ivn-hmn LDLo:1 mg/kg:PUL
orl-rat LD50:600 mg/kg GISAAA 36(11),33,71
AXVMAW 31,527,77
skn-rat LD50:4000 mg/kg FMCHA2 -,C53,83
ipr-rat LD50:64 mg/kg ABMGAJ 33,89,74
ivn-rat LD50:12,500 µg/kg AXVMAW 31,527,77
unr-rat LD50:780 mg/kg VINIT* #4758-80
orl-mus LD50:54 mg/kg ABMGAJ 27,663,71
ipr-mus LD50:62 mg/kg ABMGAJ 27,663,71
ivn-mus LD50:7 mg/kg AXVMAW 31,527,77
unr-mus LD50:560 mg/kg VINIT* #4758-80
orl-dog LD50:50 mg/kg AXVMAW 24,1049,70
orl-cat LD50:7 mg/kg AXVMAW 24,1049,70
ivn-rbt LDLo:4 mg/kg AXVMAW 31,527,77

CONSENSUS REPORTS: NTP Carcinogenesis
Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-
TR-158,79. EPA Extremely Hazardous Substances List.
Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human poison by ingestion and intravenous routes. Moderately toxic by skin contact. Human systemic effects: respiratory depression. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.

**CMF750 CAS: 67-48-1 HR: 3
CHOLINE HYDROCHLORIDE**

mf: C₅H₁₄NO • Cl mw: 139.65

PROP: Colorless to white, deliquescent, hygroscopic crystals; slt odor of trimethylamine. Sol in water and alc.

SYNS: BIOCOLINA □ CHLORIDE de CHOLINE (FRENCH) □
CHOLINE CHLORHYDRATE □ CHOLINE CHLORIDE (FCC) □
CHOLINIUM CHLORIDE □ HEPACHOLINE □ (2-HYDROXY
ETHYL)TRIMETHYLAMMONIUM CHLORIDE □ LIPOTRIL

TOXICITY DATA with REFERENCE:

cyt-ham:ovr 500 µg/L ENMUDM 7,1,85
sce-ham:ovr 500 µg/L ENMUDM 7,1,85
orl-rat LD50:3400 mg/kg PSEBAA 58,87,45
ipr-rat LD50:400 mg/kg TXAPA9 12,486,68
orl-mus LD50:3900 mg/kg ARZNAD 33,1016,83
ipr-mus LD50:320 mg/kg PSEBAA 51,281,42
scu-mus LDLo:735 mg/kg JPETAB 6,477,14/15
ivn-mus LD50:53 mg/kg ARZNAD 33,1016,83
ivn-dog LDLo:5 mg/kg HBAMAK 4,1289,35
ivn-cat LDLo:25 mg/kg HBAMAK 4,1289,35
ipr-rbt LDLo:500 mg/kg JIDIAQ 42,473,28
scu-rbt LDLo:1 g/kg PSEBAA 51,281,42
ivn-rbt LDLo:1100 µg/kg PSEBAA 51,281,42

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic experimentally by ingestion and subcutaneous routes. Mutation data reported. A lipotropic agent which induces the reduction in fats contained in the liver. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x. See also CHOLINE.

**CMF800 CAS: 123-41-1 HR: 3
CHOLINE HYDROXIDE**

mf: C₅H₁₄NO • HO mw: 121.21

SYNS: BURSINE □ FAGINE □ GOSSYPINE □ LURIDINE □
SINCALINE □ SINKALIN □ SINKALINE □ VIDINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:21,400 µg/kg THERAP 23,1357,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**CMG000 CAS: 2016-36-6 HR: 2
CHOLINE SALICYLATE**

mf: C₁₂H₁₉NO₄ mw: 241.32

PROP: Very hygroscopic. Mp: 49.5–50°.

SYNS: ACTASAL □ ARRET □ ARTHROPAN □ ARTROBIONE
□ CHOLINE SALICYLATE B □ CHOLINE, SALICYLATE (SALT)
□ CHOLINE SALICYLIC ACID SALT □ (2-HYDROXYETHYL)
TRIMETHYLAMMONIUM SALICYLATE □ 2-HYDROXY-N,N,N-

TRIMETHYLETHANAMINIUM SALT with 2-HYDROXYBENZOIC ACID (1:1) □ MUNDISAL □ SALICOL □ SALICYLIC ACID CHOLINE SALT □ SYRAP

TOXICITY DATA with REFERENCE:

orl-mus LD50:2690 NIIRDN 6,291,82
ipr-mus LD50:410 mg/kg NIIRDN 6,291,82
scu-mus LD50:1 g/kg NIIRDN 6,291,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. An analgesic and antipyretic. When heated to decomposition it emits toxic fumes of NO_x and NH₃. See also CHOLINE.

CMG250 CAS: 306-40-1 HR: 3 CHOLINE SUCCINATE (2:1) (ESTER)

mf: C₁₄H₃₀N₂O₄ mw: 290.46

SYNS: ANECTINE □ CHOLINE SUCCINATE (ester) □ DIACETYLCHOLINE □ DICHOLINE SUCCINATE □ 2,2'-(1,4-DIOXO-1,4-BUTANEDIYL)BIS(OXY)BIS(N,N,N-TRIMETHYLETHANAMINIUM) □ DITILIN □ DITILINE □ QUELICIN □ SUCCINIC ACID DIESTER with CHOLINE □ SUCCINOCHOLINE □ SUCCINOYLCHOLINE □ SUCCINYLBISCHOLINE □ SUCCINYLDICHOLINE □ SUXAMETHONIUM □ SUXE METHONIUM

TOXICITY DATA with REFERENCE:

ivn-hmn TDLo:1430 µg/kg:PUL ANATAE 21,27,72
orl-mus LD50:125 mg/kg 27ZIAQ -,65
ipr-mus LD50:2140 µg/kg AIPTAK 152,277,64
scu-mus LD50:7500 µg/kg ARZNAD 15,126,65
ivn-mus LD50:280 µg/kg RCOCB8 1,141,70
ivn-dog LDLo:300 µg/kg AIPTAK 88,1,51
ivn-rbt LD50:800 µg/kg AIPTAK 88,1,51

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Human systemic effects by intravenous route: changes in the trachea or bronchi. When heated to decomposition it emits toxic fumes of NO_x.

CMG300 CAS: 4499-40-5 HR: 3 CHOLINE, with THEOPHYLLINE (1:1)

mf: C₇H₇N₄O₂•C₅H₁₄NO mw: 283.38

PROP: Granules.

SYNS: CHOLEDYL □ CHOLEGYL □ CHOLINE THEOPHYLLINATE □ CHOLINE THEOPHYLLINE SALT □ CHOLINOPHYLLINE □ FILORAL □ (2-HYDROXYETHYL) TRIMETHYLAMMONIUM with THEOPHYLLINE □ 2-HYDROXY-N,N,N-TRIMETHYLETHANAMINIUM SALT with 3,7-DIHYDRO-1,3-DIMETHYLPURINE-2,6-DIONE □ OXTRIMETHYLLINE □ OXTRIPHYLLINE □ SOLIPHYLLINE □ TEOFILCOLINA □ TEOKOLIN □ THEOPHYLLINE CHOLINATE □ THEO PHYLLINE SALT of CHOLINE □ THEOXYLLINE □ THIOPHYLLINE CHOLINATE □ THIOPHYLLINE with CHOLINE

TOXICITY DATA with REFERENCE:

orl-man TDLo:429 mg/kg:SYS AJEMEN 3,408,85
orl-inf TDLo:113 mg/kg/31D:END,KID ADCHAK 53,757,78
orl-wmn TDLo:420 mg/kg:GIT,CNS SMJOAV 71,965,78
orl-rat LD50:600 mg/kg NIIRDN 6,278,82
ipr-rat LD50:185 mg/kg NIIRDN 6,278,82
ims-rat LD50:240 mg/kg NIIRDN 6,278,82

orl-mus LD50:770 mg/kg CLDND*
ivn-mus LD50:112 mg/kg CLDND*
ims-mus LD50:360 mg/kg CLDND*
orl-gpg LD50:210 mg/kg CLDND*
ivn-gpg LD50:118 mg/kg CLDND*
ims-gpg LD50:185 mg/kg CLDND*

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and intramuscular routes. Human systemic effects by ingestion: changes in potassium, changes in urine composition, hyperglycemia, metabolic acidosis, nausea or vomiting, tremors, and excitement. When heated to decomposition it emits toxic fumes of NO_x and NH₃. See also THEOPHYLLINE and CHOLINE.

CMF600 CAS: 9007-28-7 HR: 2 CHONDROITIN SULFURIC ACIDS

SYNS: CHONDROITIN, HYDROGEN SULFATE (9CI) □ CHONDROITIN POLYSULFATE □ CHONDROITIN SULFATE □ CHONDROITIN SULFURIC ACID □ CHONDROITIN SULPHATE □ CHONSURID

TOXICITY DATA with REFERENCE:

ivn-mus LD50:2340 mg/kg KSRNAM 6,506,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

CMG675 CAS: 9002-61-3 HR: D CHORIONIC GONADOTROPIN

PROP: Long, thin rods or needles from 60% aq alc. Freely sol in water; sol in aq glycerol and glycols; insol in the anhydrous org solvs.

SYNS: AMBINON □ ANTUITRIN S □ APL □ APL (hormone) □ APOIDINA □ CHORIGON □ CHORIGONADOTROPIN □ CHORIGONIN □ CHORIONIC GONADOTROPHIN □ CHORIONIC GONADOTROPIC HORMONE □ CHORULON □ CORIANTIN □ FOLLUTEIN □ GONABION □ GONADEX □ HCG □ HUMAN CHORIONIC GONADOTROPIN □ KOROTRIN □ PHYSEX □ PRAEDYN □ PREGNYL □ PRIMOGONYL □ RANDONOS □ SYNAPHORIN

TOXICITY DATA with REFERENCE:

spm-nml-ipr 18 mg/kg/2D ENDKAC 67,167,76

SAFETY PROFILE: Human reproductive effects by an unspecified route: changes in female fertility. An experimental teratogen. Other reproductive effects with experimental animals. Mutation data reported.

CMG700 HR: 3 CHRISTMAS ROSE

PROP: An evergreen perennial herb which grows to 2 feet. The white or pink-white flower has 5 petals and is 2 to 3 inches across. It is native to Europe and grows wild in the northern United States and Canada.

SYNS: HELLEBORE □ HELLEBORUS NIGER

SAFETY PROFILE: The whole plant contains the poisons hellebrin, helleborin and helleborein (cardiac glycosides), and the direct irritants saponin and protoanemonin. Ingestion may cause mouth and abdominal pain, nausea, vomiting, and diarrhea. Cardiac

glycosides may cause death due to their effect on heart function. See also DIGITALIS and SAPONIN.

CMG750 CAS: 1836-22-2 HR: D
CHROMACID FAST RED 3B

mf: $C_{17}H_{12}N_2O_9S_2 \cdot 3Na$ mw: 521.40

PROP: Bluish red crystalline powder. Sol in H_2O ; sltly sol in EtOH and Me_2CO .

SYNS: ACID ALIZARINE RED B □ ACID ALIZARIN RED B □ ACID ANTHRACENE RED G □ ACID CHROME RED A □ ACID CHROME RED B □ ALIZARINE ACID RED B EXTRA □ ALIZARINE CHROME RED BG □ AZOCHROMAL TELESIO RED □ BEACON RED □ BENZOIC ACID, 2-((2-HYDROXY-3,6-DISULFO-1-NAPHTHALENYL)AZO)-, TRISODIUM SALT (9CI) □ BRILLIANT LAKE B □ BRILLIANT LAKE PBB □ CARMINE 3B □ CHROME FAST RED 3B □ CHROME FAST RED P □ C.I. 16105 □ C.I. MORDANT RED 9 □ C.I. MORDANT RED 9, TRISODIUM SALT □ DAINICHI PIGMENT SCARLET 3B □ DIAMOND FAST RED BT □ DIAMOND RED BHA □ ENIACROMO RED B □ ERIO CHROME RED PE □ ERIOCHROME RED PE1 □ EXT. D and C RED NO. 2 □ FENAKROM RED R □ HISPACROM RED B □ HUDSON CHROME RED B □ IRGASOL RED 3BNS □ JAVA CHROME RED PE □ KENACHROME RED B □ KITON FAST SCARLET 3B □ KROMON GERANIUM LAKE □ LAKE SCARLET 3B □ LIGHHOUSE CHROME RED B □ LITHO SOL SCARLET 3BI □ MAGRACROM RED A □ MONOCHROME RED 2GL □ MONO SOL SCARLET 3B □ MONSOL SCARLET 3BS □ OMEGA CHROME RED SB □ ORALITH SCARLET 3B WATER SOLUBLE □ PIGMENT FAST SCARLET 3B □ PIGMENT RED 60 □ PIGMENT SCARLET 829 □ PIGMENT SCARLET 25A □ PIGMENT SCARLET 25AD □ PIGMENT SCARLET 3B □ PIGMENT SCARLET CP-1394 □ PONT ACHROME RED B □ RESAMINE PINK 3B □ SALICINE CHROME RED B □ SANYO BRILLIANT CARMINE □ SCARLET TONER H3B □ SILOTERMO SCARLET B □ SILOTON RED 3B □ SOLO CHROME LEATHER PINK B □ SOLOCHROME RED B □ SOLO CHROME RED BS □ SUPERCHROME RED B □ SYTON FAST GERANIUM 3B □ TERTROCHROME RED AB □ VERSAL SCARLET 3BBA

TOXICITY DATA with REFERENCE:

mno-sat 500 μg /plate MUREAV 56,249,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x , Na_2O , and SO_x .

CMG800 CAS: 15005-90-0 HR: 3
CHROMALUM HEXAHYDRATE

mf: $Cr_2O_3 \cdot 6H_2O$ mw: 500.30

PROP: IDLH 25 mg/m^3 [as Cr(III)].

SYN: CHROMIUM(III) SULFATE, HEXAHYDRATE (2:3:6)

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:144 mg/kg AJPHAP 209,489,65

OSHA PEL: TWA 0.5 $mg(Cr)/m^3$

ACGIH TLV: TWA 0.5 $mg(Cr)/m^3$; Not Classifiable as a Carcinogen.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of SO_x and Cr^- .

CMG850 CAS: 7788-99-0 HR: 3

CHROME ALUM (DODECAHYDRATE)

mf: $CrK_2O_8S_2 \cdot 12H_2O$ mw: 499.41

PROP: Deep purple crystals. Mp: 89°. Sol in H_2O ; virtually insol in EtOH.

SYNS: CHROME ALUM □ POTASSIUM CHROMIUM ALUM □ SULFURIC ACID, CHROMIUM(3+)POTASSIUM SALT(2:1:1), DODECAHYDRATE

TOXICITY DATA with REFERENCE:

dnr-esc 125 μg /well MUREAV 133,161,84

ivn-rat LD50:112 mg/kg EQSFAP 1,1,75

OSHA PEL: TWA 0.5 $mg(Cr)/m^3$

ACGIH TLV: TWA 0.5 $mg(Cr)/m^3$; Not Classifiable as a Carcinogen.

SAFETY PROFILE: Poison by intravenous route. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cr^- .

CMH000 CAS: 1066-30-4 HR: 3
CHROMIC ACETATE

mf: $C_6H_9O_6 \cdot Cr$ mw: 229.15

PROP: Gray-green powder or bluish-green pasty mass. IDLH 25 mg/m^3 [as Cr(III)].

SYNS: CHROMIC ACETATE(III) □ CHROMIUM ACETATE □ CHROMIUM(III) ACETATE □ CHROMIUM TRIACETATE

TOXICITY DATA with REFERENCE:

mno-esc 16 $mmol/L$ MUREAV 58,175,78

cyt-hmn:leu 16 $\mu mol/L$ MUREAV 58,175,78

ivn-mus LDLo:2290 mg/kg EQSSDX 1,1,75

ivn-rbt LDLo:1604 mg/kg EQSSDX 1,1,75

ivn-frg LDLo:6185 mg/kg APTAK 62,330,39

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,165,87; Animal Inadequate Evidence IMEMDT 2,100,73; IMEMDT 23,205,80. Chromium and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.5 $mg(Cr)/m^3$

ACGIH TLV: TWA 0.5 $mg(Cr)/m^3$; Not Classifiable as a Carcinogen

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Moderately toxic by intravenous route. Human mutation data reported. See also CHROMIUM COMPOUNDS. When heated to decomposition it emits acrid smoke and irritating fumes.

CMH250 CAS: 7738-94-5 HR: 3
CHROMIC(VI) ACID

mf: CrH_2O_4 mw: 118.02

PROP: Found in solution. IDLH Ca [15 mg/m^3 {as Cr(VI)}].

SYNS: ACIDE CHROMIQUE (FRENCH) □ CHROMIC ACID

TOXICITY DATA with REFERENCE:

mno-sat 80 μg /plate MUREAV 54,139,78

dnr-smc 1200 $nmol/L$ CNJGA8 24,771,82

dnr-ssp 1200 $nmol/L$ CNJGA8 24,771,82

scu-dog LDLo:320 mg/kg EQSSDX 1,1,75

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

OSHA PEL: CL 0.1 $mg(CrO_3)/m^3$

ACGIH TLV: TWA 0.05 mg(Cr)/m³, Confirmed

Human Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 0.025 mg(Cr(VI))/m³; CL 0.05/15M

SAFETY PROFILE: Confirmed human carcinogen.

Poison by subcutaneous route. Mutation data reported. A powerful oxidizer. A powerful irritant of skin, eyes, and mucous membranes. Can cause a dermatitis, bronchoasthma, "chrome holes," damage to the eyes.

Dangerously reactive. Incompatible with acetic acid, acetic anhydride, tetrahydronaphthalene, acetone, alcohols, alkali metals, ammonia, arsenic, bromine penta fluoride, butyric acid, n,n-dimethylformamide, hydrogen sulfide, peroxyformic acid, phosphorus, potassium hexacyanoferrate, pyridine, selenium, sodium, sulfur, and many other materials. See also CHROMIUM COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

CMH260 CAS: 1308-14-1 HR: 3
CHROMIC(III) ACID

mf: CrH₃O₃ mw: 103.03

PROP: Green flocculent solid or crystals. Readily hydrolyzed. Practically insol in H₂O; sol in mineral acids. IDLH 25 mg/m³ [as Cr(III)].

SYNS: CHROMIC (III) HYDROXIDE □ CHROMIUM(III) HYDROXIDE □ CHROMIUM TRIHYDROXIDE

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 49,49,90. Reported in EPA TSCA Inventory.

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 0.001 mg(Cr)/m³

SAFETY PROFILE: A confirmed carcinogen. A poison. A powerful oxidizer. A powerful irritant of skin, eyes, and mucous membranes.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

CMH270 CAS: 14721-18-7 HR: 3
CHROMIC ACID, NICKEL⁽²⁺⁾ SALT (1:1)

mf: CrO₄•Ni mw: 174.71

SYNS: CHROMIUM NICKEL OXIDE □ NICKEL CHROMATE □ NICKEL CHROMATE(VI) □ NICKEL CHROMIUM OXIDE

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Animal Limited Evidence IMEMDT 49,257,90.

ACGIH TLV: TWA 1 mg(Ni)/m³

SAFETY PROFILE: Confirmed human carcinogen. When heated to decomposition it emits toxic vapors of Ni and Cr.

CMH300 CAS: 15242-96-3 HR: 3
CHROMIC CHLORIDE STEARATE

mf: C₁₈H₃₆Cl₄Cr₂O₃ mw: 546.34

SYNS: CHROMIUM, TETRACHLORO-μ-HYDROXY(μ-(OCTA DECANOATO-O: O))DI- □ CHROMIUM, TETRACHLORO-μ-HYDROXY(μ-STEARATO)DI- □ KHROMOLAN □ NCI-C60800 □ QUILON S □ STEARATE CHROMIC CHLORIDE □ STEARATO CHROMIC CHLORIDE □ STEARATO-CHROMIC CHLORIDE COMPLEX □ STEARATOCHROMIUM CHLORIDE

TOXICITY DATA with REFERENCE:

mno-sat 333 μg/plate EMMUEG 11(Suppl 12),1,88

orl-mus LD50:1280 mg/kg ESKHA5 (103),37,85

skn-mus LD50:>2500 mg/kg ESKHA5 (103),37,85

ivn-mus LD50:180 mg/kg CSLNX* NX#03305

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of Cr and Cl⁻.

CMI250 CAS: 24613-89-6 HR: 3
CHROMIC CHROMATE

mf: Cr₃O₁₂•2Cr mw: 452.00

SYNS: CHROMIC ACID, CHROMIUM(3+) SALT (3:2) □ CHROMIUM CHROMATE (MAK)

TOXICITY DATA with REFERENCE:

imp-rat TDLo:112 mg/kg:NEO AIHAAP 20,274,59

CONSENSUS REPORTS: IARC Cancer Review: Animal Sufficient Evidence IMEMDT 2,100,73. Reported in EPA TSCA Inventory. Chromium and its compounds are on the Community Right-To-Know List.

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 0.001 mg(Cr(VI))/m³

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastic data. Very powerful oxidizer. See also CHROMIUM COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

CMI300 CAS: 13537-21-8 HR: 3
CHROMIC PERCHLORATE

mf: Cl₃O₁₂•Cr mw: 350.35

SYNS: CHROMIUM PERCHLORATE □ CHROMIUM TRIPERCHLORATE □ PERCHLORIC ACID, CHROMIUM(3+) SALT

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90.

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen

DOT CLASSIFICATION: 5.1; Label: Oxidizer

SAFETY PROFILE: A toxic and reactive oxidizing solid. When heated to decomposition it emits toxic vapors of Cr.

**CMI500 CAS: 1308-31-2 HR: 3
CHROMITE (mineral)**mf: Cr_2FeO_4 mw: 223.85**PROP:** Black or brown-black cubic crystals. Relatively insol in acids.**SYNS:** CHROME ORE □ CHROMITE □ CHROMITE ORE □ IRON CHROMITE**TOXICITY DATA with REFERENCE:**

mma-sat 2 mg/plate CRNGDP 3,1331,82

cyt-hmn:oth 500 mg/L BJCAAI 44,219,81

sce-ham:ovr 10 mg/L CRNGDP 3,1331,82

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 3 IMEMDT 7,165,87; Animal Inadequate Evidence IMEMDT 23,205,80. Chromium and its compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 0.5 mg(Cr)/m³**ACGIH TLV:** TWA 0.05 mg/m³ (ore processing); Confirmed Human Carcinogen (ore processing)**SAFETY PROFILE:** Confirmed human carcinogen during ore processing. Human mutation data reported. See also CHROMIUM COMPOUNDS and IRON.**CMI750 CAS: 7440-47-3 HR: 3
CHROMIUM**

af: Cr av: 52.00

PROP: Hard, ductile, blue-white metal. Resists oxidation in air. Bp: 26° @ 2690 mm. More reactive to acids than Mo or W and can be rendered passive. Rapidly attacked by fused NaOH + KNO₃ or KClO₄. IDLH 250 mg/m³ (as Cr).**SYNS:** CHROME □ CHROMIUM METAL (OSHA)**TOXICITY DATA with REFERENCE:**

ivn-rat TDLo:2160 µg/kg/6W-I:ETA JNCIAM 16,447,55

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,165,87; Animal Inadequate Evidence IMEMDT 23,205,80. Chromium and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 1 mg/m³**ACGIH TLV:** TWA 0.5 (Cr)mg/m³; Not Classifiable as a Carcinogen**SAFETY PROFILE:** Confirmed human carcinogen with experimental tumorigenic data. Powder will explode spontaneously in air. Ignites and is potentially explosive in atmospheres of carbon dioxide. Violent or explosive reaction when heated with ammonium nitrate. May ignite or react violently with bromine pentafluoride. Incandescent reaction with nitrogen oxide or sulfur dioxide. Incompatible with oxidants. See also CHROMIUM COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #ID-125G or NIOSH: Chromium, 7024; Welding and Brazing Fume, 7200; Elements, 7300.**CMJ000 CAS: 628-52-4 HR: 3
CHROMIUM ACETATE HYDRATE**mf: $\text{C}_4\text{H}_6\text{O}_4 \cdot \text{Cr} \cdot \text{H}_2\text{O}$ mw: 188.12**PROP:** Air-sensitive dark red crystals. Stable in air for short period. Sltly sol in H₂O and EtOH; sol in hot H₂O. IDLH 250 mg/m³ [as Cr(II)].**SYNS:** ACETIC ACID, CHROMIUM (2+) SALT (8CI, 9CI) □ CHROMIUM(2+) ACETATE □ CHROMIUM(II) ACETATE □ CHROMIUM DIACETATE □ CHROMOUS ACETATE □ CHROMOUS ACETATE MONOHYDRATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:11,260 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Chromium and its compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 0.5 mg(Cr)/m³**ACGIH TLV:** TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen**SAFETY PROFILE:** Mildly toxic by ingestion. The anhydrous acetate ignites spontaneously in air. See also CHROMIUM COMPOUNDS. When heated to decomposition it emits acrid smoke and irritating fumes.**CMJ100 CAS: 29689-14-3 HR: 1
CHROMIUM CARBONATE**mf: $\text{CH}_2\text{O}_3 \cdot x\text{Cr}$ mw: 426.03**SYNS:** BASIC CHROMIUM CARBONATE □ CARBONIC ACID, CHROMIUM SALT**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** When heated to decomposition it emits toxic fumes of Cr.**CMJ250 CAS: 10025-73-7 HR: 3
CHROMIUM CHLORIDE**mf: Cl_3Cr mw: 158.35**PROP:** Red-violet flaky crystals. Mp: 1152°, bp: 1300° (subl). Insol in cold H₂O; sltly sol in hot H₂O. IDLH 25 mg/m³ [as Cr(III)].**SYNS:** CHROMIC CHLORIDE □ CHROMIUM(III) CHLORIDE (1:3) □ CHROMIUM CHLORIDE, anhydrous □ CHROMIUM TRICHLORIDE □ C.I. 77295 □ PURATRONIC CHROMIUM CHLORIDE □ TRICHLOROCHROMIUM**TOXICITY DATA with REFERENCE:**

cyt-hmn:oth 500 mg/L BJCAAI 44,219,81

sce-ham:lng 39 mg/L CRNGDP 4,605,83

ipr-mus TDLo:59,500 µg/kg (female 8D post):TER JTSCDR 1(2),1,76

ipr-mus TDLo:59,500 µg/kg (female 9D post):REP JTSCDR 1(2),1,76

orl-rat LD50:1870 mg/kg YAKUD5 22,291,80

ihl-mus LC50:31,500 µg/m³/2H 85GMAT -,39,82

ipr-mus LD50:434 mg/kg COREAF 256,1043,63

skn-gpg LDLo:202 mg/kg AEHLAU 11,201,65*

ipr-gpg LDLo:200 mg/kg AEHLAU 11,201,65

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 49,49,90. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Chromium and its compounds are on the Community Right-To-Know List. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen

SAFETY PROFILE: Poison by skin contact, inhalation, and intraperitoneal routes. Experimental teratogenic and reproductive effects. Human mutation data reported. Questionable carcinogen. Reacts violently with lithium under nitrogen atmosphere. When heated to decomposition it emits toxic fumes of Cl⁻.

CMJ300 CAS: 10049-05-5 HR: 2
CHROMIUM(II) CHLORIDE (1:2)

mf: Cl₂Cr mw: 122.90

PROP: IDLH 250 mg/m³ [as Cr(II)].

SYNS: CHROMIUM CHLORIDE □ CHROMIUM(II) CHLORIDE □ CHROMIUM DICHLORIDE □ CHROMOUS CHLORIDE

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/L BECTA6 40,597,88

pic-esc 33,300 ng/Well MUREAV 260,349,91

orl-rat LD50:1870 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: 8H TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of Cr.

CMJ355 CAS: 14986-48-2 HR: 3
CHROMIUM(VI) CHLORIDE

mf: Cl₆Cr mw: 264.70

PROP: IDLH Ca [15 mg/m³ {as Cr(VI)}].

SYNS: CHROMIUM CHLORIDE □ CHROMIUM HEXACHLORIDE

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 49,49,90; Human Sufficient Evidence IMEMDT 49,49,90.

SAFETY PROFILE: Confirmed human carcinogen. When heated to decomposition it emits toxic vapors of Cr and Cl⁻.

CMJ500 HR: 3
CHROMIUM COMPOUNDS

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

SAFETY PROFILE: Chromate salts are suspected human carcinogens producing tumors of the lungs, nasal cavity, and paranasal sinus. Chromic acid and its salts have a corrosive action on the skin and mucous membranes. The lesions are confined to the exposed parts, affecting chiefly the skin of the hands and forearms and the mucous membranes of the nasal septum. The characteristic lesion is a deep, penetrating ulcer, which, for the most part, does not tend to suppurate, and which is slow in healing. Small ulcers, about the size of a matchhead, may be found, chiefly around the base of the nails, on the knuckles, dorsum of the hands and forearms. These ulcers tend to be clean and progress slowly. They are frequently painless, even though quite deep. They heal slowly and leave scars. On the mucous membranes of the nasal septum, the ulcers are usually accompanied by purulent discharge and

crusting. If exposure continues, perforation of the nasal septum may result but produces no deformity of the nose. Hexavalent compounds are more toxic than the trivalent. Eczematous dermatitis due to trivalent chromium compounds has been reported.

CMJ560 CAS: 7788-97-8 HR: 3
CHROMIUM(III) FLUORIDE

DOT: UN 1756/UN 1757

mf: CrF₃ mw: 109.00

PROP: IDLH 25 mg/m³ [as Cr(III)].

SYNS: CHROME FLUORURE □ CHROMIC FLUORIDE □ CHROMIC FLUORIDE, solid (UN1756) (DOT) □ CHROMIC FLUORIDE, solution (UN1757) (DOT) □ CHROMIC TRIFLUORIDE □ CHROMIUM TRIFLUORIDE

TOXICITY DATA with REFERENCE:

orl-gpg LDLo:150 mg/kg YAKUD5 22,291,80

scu-frg LDLo:420 mg/kg CRSBAW 124,133,37

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: 8H TWA 0.5 mg(Cr)/m³; TWA 2.5 mg(F)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; TWA 2.5 mg(F)/m³

NIOSH REL: (Fluorides, Inorganic) TWA 2.5 mg(F)/m³

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: A poison by ingestion. A corrosive. When heated to decomposition it emits toxic vapors of Cr and F⁻.

CMJ565 CAS: 12336-95-7 HR: 1
CHROMIUM HYDROXIDE SULFATE

mf: CrHO₅S mw: 165.07

SYNS: BASIC CHROMIC SULFATE □ BASIC CHROMIUM SULFATE □ CHROMEDOL □ CHROME TAN □ CHROMIUM SULFATE □ CROMO SOLFATO BASIFICATO □ MONOBASIC CHROMIUM SULFATE □ PEACHROME

TOXICITY DATA with REFERENCE:

cyt-hmn-oth 500 mg/L BJCAAI 44,219,81

dni-ham-kdy 500 mg/L BJCAAI 44,219,81

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90. Chromium and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a carcinogen

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

CMJ580 CAS: 16065-83-1 HR: D
CHROMIUM, ION (CR³⁺)

mf: Cr mw: 52.00

PROP: IDLH 25 mg/m³ [as Cr(III)].

SYNS: CHROMIC ION □ CHROMIUM (3+) □ CHROMIUM (III) □ CHROMIUM (III) ION □ CHROMIUM ION (3+)

TOXICITY DATA with REFERENCE:

add-bac-esc 5 µmol/L MUREAV 89,95,81

add-mus:ast 5 µmol/L MUREAV 89,95,81

ACGIH TLV: TWA 0.5 mg(Cr)/m³

NIOSH REL: (Chromium(III) Compounds) 10H TWA 0.5 mg/m³

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

ANALYTICAL METHOD: Reported in NIOSH Analytical Method, 1994: Elements by ICP, 7300; chromium and compounds, 7024.

CMJ582 CAS: 18540-29-9 HR: D
CHROMIUM(6+) ION

mf: Cr mw: 52.00

PROP: IDLH Ca [15 mg/m³ {as Cr(VI)}].

SYNS: CHROMIUM(+) □ CHROMIUM (CR⁶⁺) □ CHROMIUM HEXAVALENT ION □ CHROMIUM, ION (CR⁶⁺) □ CHROMIUM, ION (CR⁶⁺) (8Cl,9Cl) □ CHROMIUM(VI) □ NCI-C04273

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate NATWAY 65,207,78

add-hmn:hlas 5 µmol/L MUREAV 89,95,81

dnd-hmn:leu 50 µmol/L CBINA8 46,189,83

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³

NIOSH REL: (chromium, hexavalent) TWA 0.001 mg/m³/10H

SAFETY PROFILE: Human mutation data reported.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-103 or NIOSH: 1994: chromium hexavalent, 7600 and 7604; 1994: Elements by ICP, 7300

CMJ600 CAS: 13548-38-4 HR: 3
CHROMIUM(III) NITRATE

DOT: UN 2720

mf: CrN₃O₉ mw: 238.03

PROP: Very deliquescent, pale green powder. Non-volatile. Sol in H₂O, EtOAc, MeCN, and DMSO; insol in C₆H₆, CCl₄, and CHCl₃. IDLH 25 mg/m³ [as Cr(III)].

SYNS: CHROMIC NITRATE □ CHROMIUM NITRATE □ CHROMIUM (3+) NITRATE □ CHROMIUM NITRATE (DOT) □ CHROMIUM TRINITRATE □ NITRIC ACID, CHROMIUM (3+) SALT

TOXICITY DATA with REFERENCE:

dnr-bcs 160 mmol/L MUREAV 58,175,78

orl-rat LD50:3250 mg/kg YAKUD5 22,291,80

orl-mus LD50:2976 mg/kg SAIGBL 20,590,78

ipr-mus LD50:110 mg/kg SAIGBL 20,590,78

scu-mus LD50:3232 mg/kg SAIGBL 20,590,78

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 49,49,90. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen

DOT CLASSIFICATION: 5.1; Label: Oxidizer

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous and ingestion routes. Mutation data reported. Questionable carcinogen. When

heated to decomposition it emits toxic fumes of NO_x and Cr.

CMJ610 CAS: 7789-02-8 HR: 2
CHROMIUM(III) NITRATE, NONAHYDRATE (1:3:9)

mf: N₃O₉•Cr•9H₂O mw: 400.21

PROP: IDLH 25 mg/m³ [as Cr(III)].

SYNS: CHROMIC NITRATE NONAHYDRATE □ CHROMIUM NITRATE NONAHYDRATE □ CHROMIUM TRINITRATE NONAHYDRATE □ NITRIC ACID, CHROMIUM(3+) SALT, NONAHYDRATE

TOXICITY DATA with REFERENCE:

mic-bac-sat 13,937 µg/plate CRNGDP 3,1331,82

dnr-esc 62 µg/well MUREAV 133,161,84

dni-hmn-fbr 1 mmol/L NASGEJ 3,237,85

cyt-ham-ovr 50 mg/L CRNGDP 3,1331,82

sce-ham-ovr 50 mg/L CRNGDP 3,1331,82

orl-rat LD50:3250 mg/kg AIHAAP 30,470,69

ACGIH TLV: TWA 0.5 mg(Cr)/m³

SAFETY PROFILE: Moderately toxic by ingestion. Mutation human data reported. When heated to decomposition it emits toxic vapors of Cr.

CMJ850 CAS: 24094-93-7 HR: 3
CHROMIUM NITRIDE

mf: CrN mw: 66.00

PROP: Dark gray powder; bronze yellow crystals with metallic luster. Sol in conc HCl.

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

SAFETY PROFILE: Mixture with potassium nitrate ignites when heated. When heated to decomposition it emits toxic fumes of NO_x. See also CHROMIUM COMPOUNDS and NITRIDES.

CMJ900 CAS: 1308-38-9 HR: 3
CHROMIUM(III) OXIDE (2:3)

mf: Cr₂O₃ mw: 152.00

PROP: Green crystals. Mp: 2275°. IDLH 25 mg/m³ [as Cr(III)].

SYNS: ANADOMIS GREEN □ ANIDRIDE CROMIQUE (FRENCH) □ CASALIS GREEN □ CHROME GREEN □ CHROME OCHER □ CHROME OXIDE □ CHROME OXIDE GREEN □ CHROMIA □ CHROMIC ACID □ CHROMIC ACID GREEN □ CHROMIC OXIDE □ CHROMIUM OXIDE □ CHROMIUM(III) OXIDE □ CHROMIUM(3+) OXIDE □ CHROMIUM SESQUIOXIDE □ CHROMIUM(3+) TRIOXIDE □ C.I. 77288 □ C.I. No. 77278 □ C.I. PIGMENT GREEN 17 □ DICHROMIUM TRIOXIDE □ 11661 GREEN □ GREEN CHROME OXIDE □ GREEN CHROMIC OXIDE □ GREEN CINNABAR □ GREEN ROUGE □ GUIGNER'S GREEN □ LEAF GREEN □ LEVANOX GREEN GA □ OIL GREEN □ OXIDE of CHROMIUM □ ULTRAMARINE GREEN

TOXICITY DATA with REFERENCE:

mno-sat 1 mmol/L TOLED5 8,195,81

dnr-sat 50 mmol/L TOLED5 7,439,81

dnd-esc 5 mmol/L CNREA8 40,2455,80

sce-ham:lng 34 mg/L CRNGDP 4,605,83

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 3 IMEMDT

7,165,87; Animal Inadequate Evidence IMEMDT 23,205,80. Reported in EPA TSCA Inventory. Chromium and its compounds are on the Community Right-To-Know List.

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen

DFG MAK: Suspected Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic data. Mutation data reported. Probably a severe eye, skin, and mucous membrane irritant. A powerful oxidizer. Reacts violently with ClF₃. See also CHROMIUM COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium, 7024; Welding and Brazing Fume, 7200; Elements, 7300.

CMJ910 CAS: 12018-40-5 HR: 2
CHROMIUM OXIDE, aerosols

mf: Cr₅O₁₂ mw: 452.00

PROP: Black crystals. Stable in air. Nonferromagnetic. Insol in H₂O.

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

CMK000 CAS: 1333-82-0 HR: 3
CHROMIUM(VI) OXIDE (1:3)

DOT: UN 1463/NA 1463/UN 1755

mf: CrO₃ mw: 100.00

PROP: Dark orange-red, rhombic, deliquescent crystals. D: 2.70, mp: 190°, bp: decomp, sol: 61.7 g/100 cc @ 0°, 67.45 g/100 cc @ 100°. Very sol in H₂O; sol in H₂SO₄ and org solvs. IDLH 15 mg/m³ {as Cr(VI)}.

SYNS: ANHYDRIDE CHROMIQUE (FRENCH) □ ANIDRIDE CROMICA (ITALIAN) □ CHROME (TRIOXYDE de) (FRENCH) □ CHROMIC ACID □ CHROMIC(VI) ACID □ CHROMIC ACID, solid (NA 1463) (DOT) □ CHROMIC ACID, solution (UN 1755) (DOT) □ CHROMIC ANHYDRIDE □ CHROMIC TRIOXIDE □ CHROMIUM OXIDE □ CHROMIUM(VI) OXIDE □ CHROMIUM TRIOXIDE □ CHROMIUM(6+) TRIOXIDE □ CHROMIUM TRIOXIDE, anhydrous (DOT) □ CHROMIUM TRIOXIDE, anhydrous (UN 1463) (DOT) □ CHROMO (TRIOSSIDO di) (ITALIAN) □ CHROMSAEURE ANHYDRID (GERMAN) □ CHROMTRIOXID (GERMAN) □ CHROOMTRIOXYDE (DUTCH) □ CHROOMZUURANHYDRIDE (DUTCH) □ MONOCHROMIUM OXIDE □ MONOCHROMIUM TRIOXIDE □ PURATRONIC CHROMIUM TRIOXIDE

TOXICITY DATA with REFERENCE:

mno-sat 1 mmol/L TOLED5 8,195,81

cyt-hmn:leu 2 mg/L MUREAV 58,175,78

ihl-hmn TCLo:110 µg/m³/3Y-C:CAR AGGHAR 13,528,55

imp-rat TDLo:125 mg/kg:CAR AIHAAP 20,274,59

ihl-hmn TCLo:110 µg/m³ YAKUD5 22,291,80

orl-rat LD50:80 mg/kg TRENAF 27(2),119,76

orl-mus LD50:127 mg/kg CHYCDW 14,86,80

ipr-mus LD50:14 mg/kg NEZAAQ 34,193,79

scu-mus LDLo:20 mg/kg SEIJB0 19,171,79

CONSENSUS REPORTS: IARC Cancer Review:

Group 1 IMEMDT 7,165,87; Animal Sufficient Evidence

IMEMDT 23,205,80. EPA Genetic Toxicology Program. Chromium and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen

DFG MAK: 0.1 mg/m³, Suspected Carcinogen

NIOSH REL: (Chromium(VI)) TWA 0.025 mg(Cr(VI))/m³; CL 0.05/15M

DOT CLASSIFICATION: 5.1; Label: Oxidizer, Corrosive (NA 1463, UN 1463); DOT Class: 8; Label: Corrosive (UN 1755)

SAFETY PROFILE: Confirmed human carcinogen producing nasal and lung tumors. Experimental carcinogenic and tumorigenic data. Poison by ingestion, intraperitoneal, and subcutaneous routes. Experimental teratogenic and reproductive effects. Human mutation data reported. Corrosive. Probably a severe eye, skin, and mucous membrane irritant. See also CHROMIUM COMPOUNDS.

A powerful oxidizer. Explosive reaction with acetaldehyde, acetic acid + heat, acetic anhydride + heat, benzaldehyde, benzene, benzylthylaniline, butyraldehyde, 1,3-dimethylhexahydropyrimidine, diethyl ether, ethylacetate, isopropylacetate, methyl dioxane, pelargonic acid, pentyl acetate, phosphorus + heat, propionaldehyde, and other organic materials or solvents. Forms a friction- and heat-sensitive explosive mixture with potassium hexacyanoferrate. Ignites on contact with alcohols, acetic anhydride + tetrahydronaphthalene, acetone, butanol, chromium(II) sulfide, cyclohexanol, dimethyl formamide, ethanol, ethylene glycol, methanol, 2-propanol, pyridine. Violent reaction with acetic anhydride + 3-methylphenol (above 75°C), acetylene, bromine pentafluoride, glycerol, hexamethylphosphoramide, peroxyformic acid, selenium, sodium amide. Incandescent reaction with alkali metals (e.g., sodium, potassium), ammonia, arsenic, butyric acid (above 100°C), chlorine trifluoride, hydrogen sulfide + heat, sodium + heat, and sulfur. Incompatible with N,N-dimethylformamide.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium, Hexavalent, 7600.

CMK275 CAS: 14884-42-5 HR: 3
CHROMIUM PENTAFLUORIDE

mf: CrF₅ mw: 146.99

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

PROP: Volatile crimson solid. Readily hydrol. Mp: 30°, bp: 117° (decomp).

SAFETY PROFILE: Undergoes violent redox and halogen exchange reactions. Mixtures with phosphorus trichloride react violently on slight heating. When heated to decomposition it emits toxic fumes of F⁻. See also CHROMIUM COMPOUNDS.

CMK300 CAS: 7789-04-0 HR: 1
CHROMIUM PHOSPHATE

mf: Cr•H₃O₄P mw: 150.00

SYNS: ARNAUDON'S GREEN □ ARNAUDON'S GREEN (HEMI HEPTAHYDRATE) □ CHROMIC PHOSPHATE □ CHROMIUM MONOPHOSPHATE □ CHROMIUM ORTHOPHOSPHATE □ PHOSPHORIC ACID CHROMIUM (III) SALT □ PHOSPHORIC ACID, CHROMIUM(3+) SALT (1:1) □ PLESSY'S GREEN (HEMI HEPTAHYDRATE)

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90; IARC Cancer Review: Animal Inadequate Evidence IMEMDT 49,49,90. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen

SAFETY PROFILE: When heated to decomposition it emits toxic fumes of PO_x and Cr.

**CMK400 CAS: 37224-57-0 HR: 2
CHROMIUM POTASSIUM ZINC OXIDE**

SYNS: POTASSIUM ZINC CHROMATE □ ZINC POTASSIUM CHROMATE

CONSENSUS REPORTS: IARC Cancer Review: Human Sufficient Evidence IMEMDT 23,205,80; Animal Sufficient Evidence IMEMDT 2,100,73. Chromium and its compounds, as well as zinc and its compounds, are on the Community Right-To-Know List.

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.01 mg(Cr)/m³; Confirmed Human Carcinogen

DFG MAK: Human Carcinogen

NIOSH REL: (Chromium (VI)) TWA 0.001 mg(Cr(VI))/m³

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of Cr⁻ and Zn⁻.

**CMK405 CAS: 14489-25-9 HR: 2
CHROMIUM SULFATE**

DOT: UN 2240

mf: Cr_xO₄S mw: 724.42

SYNS: CHROMOSULFURIC ACID (UN2240) (DOT) □ CHRONISULFAT □ SULFURIC ACID, CHROMIUM SALT

TOXICITY DATA with REFERENCE:

scu-gpg LDLo:600 mg/kg HBAMAK 4,1289,35

ACGIH TLV: TWA 0.5 mg(Cr)/m³

SAFETY PROFILE: Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of SO_x and Cr.

**CMK415 CAS: 10101-53-8 HR: 3
CHROMIUM (III) SULFATE (2:3)**

mf: O₁₂S₃•2Cr mw: 392.18

SYNS: BAYCHROM A □ BAYCHROM F □ CHROMIC SULFATE □ CHROMIC SULPHATE □ CHROMITAN B □ CHROMITAN MS □ CHROMITAN NA □ CHROMIUM III SULFATE □ CHROMIUM SULFATE (2:3) □ CHROMIUM SULPHATE □ CHROMIUM SULPHATE (2:3) □ C.I. 77305 □ DICHROMIUM SULFATE □ DICHROMIUM SULPHATE □ DICHROMIUM TRISULFATE □ DICHROMIUM TRISULPHATE □ KOREON □ SULFURIC ACID, CHROMIUM(3+) SALT (3:2)

TOXICITY DATA with REFERENCE:

mno-sat 10 mg/plate BECTA6 32,400,84

oth-hmn:oth 500 mg/L BJCAAI 44,219,81

dni-ham:kdy 500 mg/L BJCAAI 44,219,81

ivn-mus LDLo:85 mg/kg AQMOAC #70-15,70

ivn-rbt LDLo:215 mg/kg EQSFAP 1,1,75

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 23,205,80; Animal Inadequate Evidence IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 49,49,90. Reported in EPA TSCA Inventory.

OSHA PEL: 8H TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³

SAFETY PROFILE: A poison by intravenous route. Questionable carcinogen. Human mutation data reported. When heated to decomposition it emits toxic vapors of SO_x and Cr.

**CMK425 CAS: 10031-37-5 HR: 3
CHROMIUM SULFATE, PENTADECAHYDRATE**

mf: O₁₂S₃•2Cr•15H₂O mw: 662.38

SYNS: SULFURIC ACID, CHROMIUM(3+) SALT (3:2), PENTADECAHYDRATE □ WOOL MORDANT

TOXICITY DATA with REFERENCE:

ipr-mus LD50:258 mg/kg CRNGDP 4,1535,83

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen

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

**CMK450 CAS: 10060-12-5 HR: 3
CHROMIUM TRICHLORIDE HEXAHYDRATE**

mf: Cl₃Cr•6HO₂ mw: 356.41

PROP: IDLH 25 mg/m³ [as Cr(III)].

SYNS: CHLORID CHROMITY HEXAHYDRAT □ CHROMIC CHLORIDE HEXAHYDRATE □ CHROMIUM CHLORIDE, HEXA HYDRATE (8Cl,9Cl) □ CHROMIUM(III) CHLORIDE, HEXA HYDRATE (1:3:6) □ CHROMIUM SESQUICHLORIDE □ HEXA AQUACHROMIUM CHLORIDE □ HEXAAQUACHROMIUM (III) CHLORIDE

TOXICITY DATA with REFERENCE:

oth-hmn:oth 500 mg/L BJCAAI 44,219,81

cyt-hmn:leu 400 mg/L SAIGBL 18,136,76

dnd-ham:kdy 500 mg/L CBINA8 37,309,81

sce-ham:fbr 32 mg/L MUREAV 104,141,82

orl-rat LD50:1790 mg/kg SinJF# 29MAR77

ipr-mus LD50:285 mg/kg TXAPA9 63,461,82

ivn-mus LDLo:1602 mg/kg AIPTAK 62,330,39

ivn-rbt LDLo:576 mg/kg AIPTAK 62,330,39

ivn-frg LDLo:374 mg/kg AIPTAK 62,330,39

OSHA PEL: TWA 0.5 mg(Cr)/m³

ACGIH TLV: TWA 0.5 mg(Cr)/m³; Not Classifiable as a Carcinogen.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. An experimental teratogen. Human mutation data reported. When heated to decomposition it emits acrid smoke and toxic fumes.

CMK500 CAS: 15930-94-6 HR: 3
CHROMIUM(⁶⁺)ZINC OXIDE HYDRATE (1:2:6:1)mf: $\text{CrO}_4 \cdot \text{H}_2\text{O}_2 \cdot \text{Zn}_2 \cdot \text{H}_2\text{O}$ mw: 298.78**SYNS:** BUTTERCUP YELLOW □ CHROMIC ACID, ZINC SALT (1:2) □ ZINC CHROMATE HYDROXIDE □ ZINC CHROMATE(VI) HYDROXIDE □ ZINC HYDROXYCHROMATE □ ZINC YELLOW**TOXICITY DATA with REFERENCE:**

sce-ham:ovr 100 µg/L MUREAV 156,219,85

CONSENSUS REPORTS: IARC Cancer Review:

Human Sufficient Evidence IMEMDT 23,205,80; Animal Sufficient Evidence IMEMDT 2,100,73. Chromium and its compounds, as well as zinc and its compounds, are on the Community Right-To-Know List.

OSHA PEL: CL 0.1 mg(CrO_3)/m³**ACGIH TLV:** TWA 0.01 mg(Cr)/m³; Confirmed Human Carcinogen**DFG MAK:** Human Carcinogen**NIOSH REL:** (Chromium (VI)) TWA 0.001 mg(Cr(VI))/m³**SAFETY PROFILE:** Confirmed human carcinogen. Mutation data reported. When heated to decomposition it emits toxic fumes of ZnO. See also CHROMIUM and ZINC COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Chromium Hexavalent, 7024.**CMK650 CAS: 7059-24-7 HR: 3**
CHROMOMYCIN A3mf: $\text{C}_{57}\text{H}_{82}\text{O}_{26}$ mw: 1183.39**PROP:** Pale-yellow crystals. Mp: 185° (decomp).**SYNS:** ABURAMYCIN B □ 3B-o-(4-o-ACETYL-2,6-DIDEOXY-3-C-METHYL- α -l-ARABINOHEXOPYRANOSYL)-7-METHYL-OLIVOMYCIN D □ ANTIBIOTIC B 599 □ CHROMOMYSIN A₃ □ NSC-58514 □ TOYOMYCIN**TOXICITY DATA with REFERENCE:**

dnr-bcs 800 ng/plate TAKHAA 44,96,85

dnd-hmn:hla 400 µg/L CNREA8 45,2813,85

msc-hmn:hla 8 µg/L CNREA8 45,2813,85

msc-mus:emb 25 µg/L CNREA8 45,2813,85

ipr-rat LDLo:250 µg/kg 85ERAY 2,1401,78

orl-mus LD50:1431 µg/kg NCISP* JAN86

ipr-mus LD50:800 µg/kg JAJAAA 16,22,63

scu-mus LD50:2800 µg/kg NIIRDN 6,245,82

ivn-mus LD50:1 mg/kg JAJAAA 16,22,63

ipr-dog LDLo:250 µg/kg 85ERAY 2,1401,78

ivn-dog LDLo:200 µg/kg TXAPA9 27,259,74

ivn-mky LDLo:330 µg/kg TXAPA9 27,259,74

ipr-cat LDLo:250 µg/kg 85ERAY 2,1041,78

SAFETY PROFILE: A deadly poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits acrid smoke and fumes.**CMK750 CAS: 12622-79-6 HR: 3**
CHROMOMYCIN SODIUM**PROP:** Produced by a strain of *Actinomyces olivoreticuli* (85ERAY 2,1322,78).**SYN:** OLIVOMYCIN, SODIUM SALT**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:1 mg/kg ANTBAL 7,53,62

ivn-rat LDLo:1 mg/kg ANTBAL 7,53,62

orl-mus LDLo:250 mg/kg ANTBAL 7,53,62

ipr-mus LD50:12,700 µg/kg ANTBAL 7,53,62

scu-mus LD50:15,600 µg/kg ANTBAL 7,53,62

ivn-mus LD50:138 mg/kg 85ERAY 2,1322,78

ivn-dog LDLo:300 µg/kg ANTBAL 7,53,62

ivn-rbt LDLo:2500 µg/kg ANTBAL 7,53,62

ipr-gpg LDLo:2 mg/kg ANTBAL 7,53,62

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. When heated to decomposition it emits toxic fumes including Na₂O.**CML000 CAS: 14259-67-7 HR: 3**
CHROMYL AZIDE CHLORIDEmf: ClCrN_3O_2 mw: 161.47 $\text{CrO}_2(\text{N}_3)\text{Cl}$ **PROP:** Dark-green, amorphous solid.**CONSENSUS REPORTS:** Chromium and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** An explosive. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHROMIUM COMPOUNDS, AZIDES, and CHLORIDES.**CML125 CAS: 14977-61-8 HR: 3**
CHROMYL CHLORIDE**DOT:** UN 1758mf: Cl_2CrO_2 mw: 154.90**PROP:** Dark-red liquid; yellow-red vapor; musty burning odor. Readily hydrol to HCl and CrO₃. Fumes in air. Sol in org solvs and inorganic acid halides. Mp: -96.5°, bp: 115.7°, d: 1.9145 @ 25°/4°, vap press: 20 mm @ 20°. IDLH Ca [15 mg/m³ {as Cr(VI)}].**SYNS:** CHLORURE de CHROMYLE (FRENCH) □ CHROMIC OXYCHLORIDE □ CHROMIUM CHLORIDE OXIDE □ CHROMIUM DICHLORIDE DIOXIDE □ CHROMIUM DIOXIDE DICHLORIDE □ CHROMIUM(VI) DIOXYCHLORIDE □ CHROMIUM OXYCHLORIDE □ CHROMOXYCHLORID (GERMAN) □ CHROMYLCHLORID (GERMAN) □ CHROOMOXYL CHLORIDE (DUTCH) □ CROMILE, CLORURO di (ITALIAN) □ CROMO, OSSICLORURO di (ITALIAN) □ DICHLORODIOXOCHROMIUM □ DIOXODICHLOROCHROMIUM □ OXYCHLORURE CHROMIQUE (FRENCH)**TOXICITY DATA with REFERENCE:**

mmo-sat 50 µg/plate CRNGDP 1,583,80

mma-sat 100 µg/plate CRNGDP 1,583,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Chromium and its compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 0.5 mg(Cr)/m³**ACGIH TLV:** TWA 0.025 ppm**DFG MAK:** Suspected Carcinogen**NIOSH REL:** (Chromium(VI)) TWA 0.001 mg(Cr(VI))/m³**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Suspected carcinogen. Probably a poison by various routes. Mutation data reported. Corrosive. A strong irritant. Hydrolyzes to form chromic

and hydrochloric acids. A strong oxidizer and chlorinating agent. Violent reaction with water. Reacts violently with alcohol, ether, acetone, turpentine. Ignites or explodes on contact with nonmetal halides (e.g., disulfur dichloride, phosphorus trichloride, and phosphorus tribromide), nonmetal hydrides (e.g., hydrogen sulfide and hydrogen phosphide), flowers of sulfur, moist phosphorus, sodium azide, and urea. During preparation can violently explode. Incompatible with ammonia, disulfur dichloride, organic solvents, phosphorus, phosphorus trichloride, sodium azide, and sulfur. When heated to decomposition it emits toxic fumes of Cl^- . See also CHROMIUM COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

CML325 CAS: 16017-38-2 HR: 3
CHROMYL NITRATE

mf: CrN_2O_8 mw: 208.00

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

SAFETY PROFILE: A powerful oxidant and nitrating agent. Ignites on contact with many organic materials (e.g., hydrocarbons, organic solvents, paper, rubber and wood). When heated to decomposition it emits toxic fumes of NO_x . See also CHROMIUM COMPOUNDS.

CML500 HR: 3
CHROMYL PERCHLORATE

mf: $\text{Cl}_2\text{CrO}_{10}$ mw: 282.90
 $\text{CrO}_2(\text{ClO}_4)_2$

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

SAFETY PROFILE: A powerful oxidant. Explodes when heated above 80°C . Ignites on contact with organic solvents. When heated to decomposition it emits toxic fumes of Cl^- . See also CHROMIUM COMPOUNDS and PERCHLORATES.

CML600 CAS: 517-92-0 HR: 3
CHRYSAMMINIC ACID

mf: $\text{C}_{14}\text{H}_4\text{N}_4\text{O}_{12}$ mw: 420.22

SYNS: 9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-2,4,5,7-TETRANITRO- \square ANTHRAQUINONE, 1,8-DIHYDROXY-2,4,5,7-TETRANITRO- \square CHRYSAMMIC ACID \square 1,8-DIHYDROXY-2,4,5,7-TETRANITROANTHRAQUINONE (chrysamminic acid) (DOT) \square 2,4,5,7-TETRANITROCHRYSAZIN

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable acid forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x .

CML620 CAS: 39067-39-5 HR: 1
CHRYSANTHAL

mf: $\text{C}_{11}\text{H}_{16}\text{O}$ mw: 164.27

SYNS: BICYCLO(2.2.1)HEPT-5-ENE-2-CARBOXALDEHYDE, 3-PROPYL- \square 2,5-METHYLENE-6-PROPYL-3-CYCLOHEXENE CARBOXALDEHYDE \square 3-PROPYLBICYCLO(2.2.1)HEPT-5-ENE-2-CARBOXALDEHYDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4600 mg/kg FCTOD7 26,401,88

skn-rbt LD50:>5 g/kg FCTOD7 26,401,88

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.

CML650 CAS: 10453-89-1 HR: 3
CHRYSANTHEMIC ACID

mf: $\text{C}_{10}\text{H}_{16}\text{O}_2$ mw: 168.26

SYNS: CHRYSANTHEMUMIC ACID \square CHRYSANTHEMUM MONOCARBOXYLIC ACID \square CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYLPROPENYL)-

TOXICITY DATA with REFERENCE:

cyt-mus-ihl 1248 mg/ m^3 GISAAA 51(1),16,86

orl-rat LD50:2500 mg/kg GISAAA 51(1),16,86

ihl-rat LC:>400 mg/ m^3 GTPZAB 31(7),53,87

orl-mus LD50:1250 mg/kg GISAAA 51(1),16,86

ihl-mus LC:>400 mg/ m^3 GTPZAB 31(7),53,87

skn-mus LD50:>5 g/kg GISAAA 51(1),16,86

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

ivn-mus LD50:56 mg/kg CSLNX* NX#00083

orl-gpg LD50:2500 mg/kg GISAAA 51(1),16,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

CML750 CAS: 491-59-8 HR: D
CHRYSAROBIN

mf: $\text{C}_{15}\text{H}_{12}\text{O}_3$ mw: 240.27

PROP: Brownish to orange-yellow crystals.

SYNS: CHRYSOPHANIC ACID ANTHRANOL \square 3-METHYL-1,8,9-ANTHRACENETRIOL \square 3-METHYLANTHRANOLIN \square 1,8,9-TRIHYDROXY-3-METHYLANTHRACENE

TOXICITY DATA with REFERENCE:

mno-sat 100 $\mu\text{g}/\text{plate}$ BCSTB5 5,148,77

mma-sat 100 $\mu\text{g}/\text{plate}$ BCSTB5 5,148,77

mno-smc 1000 ppm/16H ADVEA4 51,45,71

SAFETY PROFILE: Mutation data reported. An irritant and an allergen. Combustible when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes.

CML800 CAS: 2642-98-0 HR: 2
6-CHRYSENAMINE

mf: $\text{C}_{18}\text{H}_{13}\text{N}$ mw: 243.32

PROP: Leaflets from alc. Mp: $210-211^\circ$. Sltly sol in alc, benzene, ethyl acetate.

SYNS: 6-AMC \square 6-AMINOCHRYSENE \square CHRYSENEX \square CHRYSONEX

TOXICITY DATA with REFERENCE:

mno-sat 2500 ng/ plate CNREA8 44,3408,84

mma-sat 500 ng/ plate MUREAV 155,7,85

dnr-bcs 20 $\mu\text{L}/\text{disc}$ MUREAV 97,1,82

dns-rat:lv 500 nmol/L ENMUDM 3,11,81

msc-ham:ovr 50 mg/L JTEHD6 13,531,84

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data by skin contact. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also AROMATIC AMINES and CHRYSENE.

**CML810 CAS: 218-01-9 HR: 3
CHRYSENE**

mf: C₁₈H₁₂ mw: 228.30

PROP: Plates from C₆H₆ or AcOH with reddish-violet fluorescence. Occurs in coal tar. Is formed during distillation of coal, in very small amount during distillation or pyrolysis of many fats and oils. Orthorhombic bipyramidal plates from benzene. D: 1.274, mp: 255–256°. Sublimes easily in vacuum, bp: 448°. Sltly sol in alc, ether, carbon disulfide, and glacial acetic acid; moderately sol in boiling benzene; insol in water. Chrysene is generally only sltly sol in cold org solvs, but fairly sol in these solvents when hot, including glacial acetic acid.

SYNS: BENZO(a)PHENANTHRENE □ 1,2-BENZOPHENANTHRENE □ BENZ(a)PHENANTHRENE □ 1,2-BENZPHENANTHRENE □ 1,2,5,6-DIBENZONAPHTHALENE □ RCRA WASTE NUMBER U050

TOXICITY DATA with REFERENCE:

mma-sat 5 µg/plate MUREAV 156,61,85
msc-hmn:lym 6 µmol/L DTESD7 10,227,82
msc-hmn:oth 12 µmol/L MUREAV 130,127,84

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 32,247,83; Human No Adequate Data IMEMDT 32,247,83. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

OSHA PEL: 0.2 mg/m³

ACGIH TLV: Animal Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Chrysene) To be controlled as a carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data by skin contact. Human mutation data reported. When heated to decomposition it emits acrid smoke and fumes.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-58 or NIOSH: Polynuclear Aromatic Hydrocarbons (HPLC), 5506; (GC), 5515.

**CML812 CAS: 96741-20-7 HR: 2
1,2-CHRYSENE DIOL, 1,2-DIHYDRO-5-METHYL-, trans-(+)-**

mf: C₁₉H₁₆O₂ mw: 276.35

SYNS: (+)-trans-1,2-DIHYDRO-1,2-DIHYDROXY-5-METHYLCHRYSENE □ (+)-trans-1,2-DIHYDRO-5-METHYL-1,2-CHRYSENE DIOL

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

**CML814 CAS: 96741-21-8 HR: 2
1,2-CHRYSENE DIOL, 1,2-DIHYDRO-11-**

METHYL-, trans-(+)-

mf: C₁₉H₁₆O₂ mw: 276.35

SYNS: (+)-trans-7,8-DIHYDRO-7,8-DIHYDROXY-5-METHYLCHRYSENE □ (+)-trans-1,2-DIHYDRO-11-METHYL-1,2-CHRYSENE DIOL

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

**CML820 CAS: 77255-40-4 HR: D
syn-CHRYSENE-3,4-DIOL 1,2-OXIDE**

mf: C₁₈H₁₄O₃ mw: 278.32

SYNS: CHRYSENO(1,2-B)OXIRENE-2,3-DIOL, 1A,2,3,11B-TETRAHYDRO-, (1a-(1a-α,2-α,3-β,11B-α))- □ R-4,T-3-DIHYDROXY-C-1,2-OXY-1,2,3,4-TETRAHYDROCHRYSENE □ 1A,2,3,11B-TETRAHYDROCHRYSENO(1,2-B)OXIRENE-2,3-DIOL(1a-α,2-α,3-β,11B-α)-

TOXICITY DATA with REFERENCE:

mic-sat 5 µLg/plate CRNGDP 14,11,1993
mor-mus-fbr 5 mg/L CRNGDP 14,11,1993
dnd-ham-lng 20 µmol/L CRNGDP 14,11,1993

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

**CML830 CAS: 15131-84-7 HR: 2
CHRYSENE-5,6-EPOXIDE**

mf: C₁₈H₁₂O mw: 244.30

SYNS: CHRYSENE-K-REGION EPOXIDE □ CHRYSENE-5,6-OXIDE □ 5,6-EPOXY-5,6-DIHYDROCHRYSENE

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate PNASA6 72,5135,75
dnr-esc 100 µmol/L ZKKOBW 92,157,78
dns-esc 100 µmol/L ZKKOBW 92,157,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes. See also CHRYSENE.

**CML831 CAS: 96790-39-5 HR: 2
CHRYSENO(3,4-B)OXIRENE-1,2-DIOL,
1,2,2A,3A-TETRAHYDRO-4-METHYL-, (1-α,2-β,2A-α,3A-α)-(+)-**

mf: C₁₉H₁₆O₃ mw: 292.35

SYN: (+)-trans-1,2-DIHYDROXY- SYN-3,4-EPOXY-1,2,3,4-TETRAHYDRO-5-METHYLCHRYSENE

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

**CML832 CAS: 97170-07-5 HR: 2
CHRYSENO(3,4-B)OXIRENE-1,2-DIOL,
1,2,2A,3A-TETRAHYDRO-4-METHYL-, (1-α,2-β,2A-β,3A-β)-**

mf: C₁₉H₁₆O₃ mw: 292.35