

SYNS: BENZOYL CHLORIDE, 3-METHYL- □ m-METHYL-BENZOYL CHLORIDE □ 3-METHYLBENZOYL CHLORIDE □ TOLUOYL CHLORIDE □ 3-TOLUOYL CHLORIDE □ m-TOLUYL CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3440 mg/kg GISAAA 55(7),93,90

orl-mus LD50:1860 mg/kg GISAAA 55(7),93,90

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

TGU020 CAS: 874-60-2 HR: 3
p-TOLUOYL CHLORIDE

mf: C₈H₇ClO mw: 154.60

PROP: A liquid. Mp: -2 (to -1°), bp: 214-216°.

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#04246

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of Cl⁻.

TGU500 CAS: 6424-34-6 HR: 2
TOLUYLENE BLUE MONOHYDRATE

mf: C₁₅H₁₉N₄•Cl•H₂O mw: 308.85

PROP: Monohydrate, prismatic, copper brown, shiny crystals. Gives blue solution with cold water, alc, or acetic acid.

SYNS: AMMONIUM, (4-((4,6-DIAMINO-m-TOLYL)IMINO)-2,5-CYCLOHEXADIEN-1-YLIDENE)DIMETHYL-, CHLORIDE, MONOHYDRATE □ (4-((4,6-DIAMINO-m-TOLYL)IMINO)-2,5-CYCLOHEXADIEN-1-YLIDENE)DIMETHYLAMMONIUM CHLORIDE H₂O

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

TGV000 CAS: 16524-23-5 HR: 3
N-(p-TOLYL)ANTHRANILIC ACID

mf: C₁₄H₁₃NO₂ mw: 227.28

PROP: A solid. Mp: 196°.

SYNS: 4'-METHYL-2-DIPHENYLAMINECARBOXYLIC ACID □ 2-((4-METHYLPHENYL)AMINO)BENZOIC ACID □ N-(p-METHYLPHENYL)ANTHRANILIC ACID □ N-(4-METHYLPHENYL)ANTHRANILIC ACID

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg CHTPBA 6,346,71

ivn-mus LD50:94 mg/kg YKKZAJ 89,1392,69

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

TGV100 CAS: 102395-95-9 HR: 3
4-TOLYLARSENOUS ACID

mf: C₇H₇AsO mw: 182.06

SYNS: p-ARSENOSOTOLUENE □ TOLUENE, p-ARSENOSO-

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:1720 µg/kg PHBUA9 2,19,54

OSHA PEL: TWA 0.5 mg(As)/m³

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

TGV250 CAS: 829-65-2 HR: 2
N-(p-TOLYL)-1-AZIRIDINECARBOXAMIDE

mf: C₁₀H₁₂N₂O mw: 176.24

SYN: p-TOLYL-N-CARBAMOYL AZIRIDINE

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

TGV500 CAS: 64046-59-9 HR: 2
m-TOLYLAZOACETANILIDE

mf: C₁₅H₁₆N₂O mw: 254.34

TOXICITY DATA with REFERENCE:

orl-rat TDLo:4700 mg/kg/52W-C:ETA,REP JNCIAM 24,149,60

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

TGV750 CAS: 722-25-8 HR: 2
p-(p-TOLYLAZO)-ANILINE

mf: C₁₃H₁₃N₃ mw: 211.29

SYNS: 4'-METHYL-4-AMINOAZOBENZENE □ 4-((4-METHYLPHENYL)AZO)BENZENAMINE

TOXICITY DATA with REFERENCE:

dni-mus-ipr 20 g/kg ARGEAR 51,605,81

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

TGW000 CAS: 2646-17-5 HR: 3
1-(o-TOLYLAZO)-2-NAPHTHOL

mf: C₁₇H₁₄N₂O mw: 262.33

PROP: Red needles from AcOH. Mp: 132-133°.

SYNS: A.F.ORANGE No. 2 □ AIZEN FOOD ORANGE No. 2 □ ATUL OIL ORANGE T □ C.I. 12100 □ C.I. SOLVENT ORANGE 2 □ D&C ORANGE No. 2 □ DOLKWAL ORANGE SS □ EXTRACT D&C ORANGE No. 4 □ FAT ORANGE II □ HEXACOL OIL ORANGE SS □ LACQUER ORANGE V □ 1-((2-METHYLPHENYL)AZO)-2-NAPHTHALENOL □ OIL ORANGE O'PEL □ OIL ORANGE SS □ OLEAL ORANGE SS □ ORANGE 3R SOLUBLE IN GREASE □ ORGANOL ORANGE 2R □ TOLUENE-2-AZONAPHTHOL-2 □ o-TOLUENO-AZO-β-NAPHTHOL □ 1-(o-TOLYLAZO)-β-NAPHTHOL

TOXICITY DATA with REFERENCE:

mno-sat 2 mg/plate EMMUEG 19(Suppl 21),2,92

orl-rat LDLo:5000 mg/kg JAMAAP 109,493,37

ivn-dog LDLo:200 mg/kg JAMAAP 109,493,37

orl-rbt LDLo:5000 mg/kg JAMAAP 109,493,37

ivn-rbt LDLo:60 mg/kg JAMAAP 109,493,37

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 8,165,75. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Poison by intravenous route. Mildly toxic by ingestion. Mutation data reported. When heated to decomposition it emits

toxic fumes of NO_x. Used to color cosmetics, varnishes, oils, fats and waxes, petroleum products.

TGW500 CAS: 63980-19-8 HR: 2
2-(o-TOLYLAZO)-p-TOLUIDINE

mf: C₁₄H₁₃N₃ mw: 225.32

SYN: 2'-AMINO-2:5'-AZOTOLUENE

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

TGW750 CAS: 63980-18-7 HR: 2
4-(p-TOLYLAZO)-o-TOLUIDINE

mf: C₁₄H₁₃N₃ mw: 225.32

SYN: 4'-AMINO-4:3'-AZOTOLUENE

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

TGX000 CAS: 63980-27-8 HR: 2
1-((4-TOLYLAZO)TOLYLAZO)-2-NAPHTHOL

mf: C₂₄H₂₀N₄O mw: 380.48

PROP: Mixture of m-, o-, and p-isomers (ZEKBAI 57,530,51).

SYN: D&C RED No. 14

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

TGX100 CAS: 614-34-6 HR: 2
p-TOLYL BENZOATE

mf: C₁₄H₁₂O₂ mw: 212.26

PROP: Solid. Mp: 70–71°.

SYNS: BENZOIC ACID, 4-METHYLPHENYL ESTER □ BENZOIC ACID, p-TOLYL ESTER □ p-CRESYL BENZOATE □ 4-METHYLPHENYL BENZOATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTOD7 21,833,83

orl-rat LD50:2644 mg/kg FAVUAI 18,69,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TGX500 CAS: 31642-65-6 HR: 3
3-(α(o-TOLYL)BENZYL OXY)TROPANE HYDROBROMIDE

mf: C₂₂H₂₇NO•BrH mw: 402.42

SYN: BS 6825

TOXICITY DATA with REFERENCE:

orl-mus LD50:150 mg/kg ARZNAD 14,964,64

ivn-mus LD50:26 mg/kg ARZNAD 14,964,64

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

TGX550 CAS: 93-69-6 HR: 2
o-TOLYLBIGUANIDE

mf: C₉H₁₃N₅ mw: 191.27

SYNS: ALIANT □ BIGUANIDE, 1-o-TOLYL- □ EPONOC B □ IMIDODICARBONIMIDIC DIAMIDE, N-(2-METHYLPHENYL)-(9CI) □ N-(2-METHYLPHENYL)IMIDODICARBONIMIDIC DIAMIDE □ NOCCELR BG □ SOPANOX □ 1-o-TOLYLBIGUANIDE □ o-TOLYLDIGUANIDE □ VULKACIT 1000

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg IPSTB3 3,93,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TGY075 CAS: 106-43-4 HR: 3
p-TOLYL CHLORIDE

DOT: UN 2238

mf: C₇H₇Cl mw: 126.59

PROP: Liquid. Bp: 162.4°, d: (20°/4°) 1.0697, mp: 7.5°. Sltly sol in water; sol in alc, benzene, chloroform, ether.

SYNS: BENZENE, 1-CHLORO-4-METHYL- □ 4-CHLORO-1-METHYLBENZENE □ p-CHLOROTOLUENE □ 4-CHLOROTOLUENE □ p-CHLOROTOLUENE (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2100 mg/kg TSCAT* OTS0513162

ihl-mus LC50:34 g/m³/2H 85GMAT -,38,82

unr-mus LD50:4 g/kg GISAAA 46(2),14,81

unr-gpg LD50:3750 mg/kg GISAAA 46(2),14,81

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. 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.

TGY250 CAS: 20854-03-9 HR: 3
2-TOLYLCOPPER

mf: C₇H₇Cu mw: 154.67

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

SAFETY PROFILE: Explodes on contact with oxygen at 0°C. Explodes at 100°C in vacuum. The 2- and 3-isomers behave similarly. See also COPPER COMPOUNDS.

TGY300 CAS: 61001-19-2 HR: D
2-p-TOLYL-5,6-DIHYDROIMIDAZO(2,1-A)-ISOQUINOLINE

mf: C₁₈H₁₆N₂ mw: 260.36

SYNS: IMIDAZO(2,1-A)ISOQUINOLINE, 5,6-DIHYDRO-2-(4-METHYLPHENYL)- □ IMIDAZO(2,1-A)ISOQUINOLINE, 5,6-DIHYDRO-2-p-TOLYL-

TOXICITY DATA with REFERENCE:

scu-rat TDLo:25 mg/kg (female 6-10D post):REP ARZNAD 33,1222,1983

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

TGY750 CAS: 26444-49-5 HR: 2

TOLYL DIPHENYL PHOSPHATEmf: C₁₉H₁₇O₄P mw: 340.33

SYNS: CRESOL DIPHENYL PHOSPHATE □ CRESYL DIPHENYL PHOSPHATE □ DIPHENYL CRESOL PHOSPHATE □ DIPHENYL CRESYL PHOSPHATE □ DIPHENYL TOLYL PHOSPHATE □ METHYLPHENYL DIPHENYL PHOSPHATE □ MONOCRESYL DIPHENYL PHOSPHATE □ PHOSPHORIC ACID, METHYLPHENYL DIPHENYL ESTER (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:6400 mg/kg NPIRI* 2,14,75
skn-rbt LDLo:3160 mg/kg TSCAT* OTS 206227

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of PO_x. See also ESTERS and PHOSPHATES.

TGY770 CAS: 6422-83-9 HR: 3
2,4-TOLYLENEBIS(MALEIMIDE)
mf: C₁₅H₁₀N₂O₄ mw: 282.27

SYNS: 1,3-BISMALEIMIDE-4-METHYLBENZENE □ 2,4-BISMALEIMIDOTOLUENE □ 2,4-DIMALEIMIDOTOLUENE □ MALEIMIDE, N,N'-(4-METHYL-m-PHENYLENE)DI- □ 1,1'-(4-METHYL-1,3-PHENYLENE)BIS-1H-PYRROLE-2,5-DIONE □ 1H-PYRROLE-2,5-DIONE, 1,1'-(4-METHYL-1,3-PHENYLENE)BIS- □ TOLUENE-2,4-BISMALEIMIDE □ N,N'-2,4-TOLUENEBISMALEIMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2400 mg/kg EPASR* 8EHQ-0790-1023S
ihl-rat LC50:90 mg/m³/4H EPASR* 8EHQ-0790-1023S

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TGY800 CAS: 2687-25-4 HR: 3
2,3-TOLYLENEDIAMINE
mf: C₇H₁₀N₂ mw: 122.19

SYNS: 1,2-BENZENEDIAMINE, 3-METHYL-(9CI) □ 2,3-DIAMINOTOLUENE □ 3-METHYL-1,2-BENZENEDIAMINE □ TOLUENE-2,3-DIAMINE □ 2,3-TOLUYLENEDIAMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:286 mg/kg GENE3 26,109,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TGZ000 CAS: 536-50-5 HR: 2
1-(p-TOLYL)ETHANOL
mf: C₉H₁₂O mw: 136.21

PROP: Bp: 218–220°, d: 0.987, refr index: 1.522.

SYNS: BILAGEN □ α,4-DIMETHYLBENZENEMETHANOL □ p,α-DIMETHYLBENZYL ALCOHOL □ 4-(α-HYDROXYETHYL)-TOLUENE □ 1-(p-METHYLPHENYL)ETHANOL □ 1-(4-(METHYLPHENYL))ETHANOL □ METHYL-p-TOLYLCARBINOL □ NORBILAN □ p-TOLYLMETHYLCARBINOL (GERMAN) □ TOMOBIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2800 mg/kg ARZNAD 12,347,62

ims-rat LD50:1 g/kg AEPPAE 222,244,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TGZ100 CAS: 26447-14-3 HR: 3
TOLYL GLYCIDYL ETHER
mf: C₁₀H₁₂O₂ mw: 164.20

SYNS: CRESOL FLYCIDYL ETHER □ CRESYLGLYCIDE ETHER □ CRESYL GLYCIDYL ETHER □ 1,2-EPOXY-3-(TOLYLOXY)PROPANE □ GLYCIDYL METHYLPHENYL ETHER □ ((METHYLPHENOXY)METHYL)OXIRANE □ OXIRANE ((METHYLPHENOXY)METHYL) (9CI)

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/plate TSCAT* OTS 206476

mmo-smc 1 mg/plate TSCAT* OTS 206476

orl-rat LD50:5140 mg/kg GTPZAB 29(3),50,85

ihl-rat LC50:282 mg/m³ GTPZAB 29(3),50,85

orl-mus LD50:1700 mg/kg GTPZAB 29(3),50,85

ihl-mus LC50:310 mg/m³ GTPZAB 29(3),50,85

orl-gpg LD50:1650 mg/kg GTPZAB 29(3),50,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

THA000 CAS: 611-22-3 HR: D
o-TOLYLHYDROXYLAMINE
mf: C₇H₉NO mw: 123.17

PROP: Colorless in benzene and ether. Mp: 44°. Sltly sol in ligroin; sol in alc, ether.

SYNS: N-(2-METHYLPHENYL)-HYDROXYLAMINE □ N-(o-TOLYL)HYDROXYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 2 μmol/plate JMCMA 22,981,79

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

THA100 CAS: 61001-04-5 HR: D
2-p-TOLYLIMIDAZO(2,1-A)ISOQUINOLINE
mf: C₁₈H₁₄N₂ mw: 258.34

SYNS: IMIDAZO(2,1-A)ISOQUINOLINE, 2-(4-METHYL-PHENYL)- □ IMIDAZO(2,1-A)ISOQUINOLINE, 2-p-TOLYL-

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

THA250 CAS: 103-93-5 HR: 2
p-TOLYL ISOBUTYRATE
mf: C₁₁H₁₄O₂ mw: 178.25

PROP: Colorless liquid; characteristic odor. D:

0.990–0.996, refr index: 1.485, flash p: 212°F. Sol in alc; insol in water.

3494 **THA300 1-(p-TOLYL)-3-METHYLPYRAZOLONE-5**

SYNS: p-CRESYL ISOBUTYRATE □ FEMA No. 3075 □ ISOBUTYRIC ACID, p-TOLYL ESTER □ PARACRESYL ISOBUTYRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4000 mg/kg FCTXAV 13,773,75

skn-rbt LD50:3970 mg/kg FCTXAV 13,773,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THA300 CAS: 86-92-0 HR: 1 1-(p-TOLYL)-3-METHYLPYRAZOLONE-5

mf: C₁₁H₁₂N₂O mw: 188.25

SYNS: 3-METHYL-1-p-TOLYL-PYRAZOLIN-5-ONE □ 2-PYRAZOLIN-5-ONE, 3-METHYL-1-p-TOLYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:7450 mg/kg LONZA# 26APR82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THA600 CAS: 23412-26-2 HR: 3 TOLYLMYCIN Y

mf: C₄₃H₅₄N₂O₁₄ mw: 822.99

PROP: Yellow needles from EtOAc. Mp: >300°.

SYNS: B-2847-Y □ 2,3,4,6-TETRADEOXY-4-((5,6,11,12,13,14-, 15,16,16A,17,17A,18,21,22-TETRADECAHYDRO-2,12,14,16-TETRAHYDROXY-10-METHOXY-3,6,11,13,15,20-HEXAMETHYL-5,18,21,26-TETRAOXY-4,6-EPOXY-1,23-METHANOBANZO(d)-CYCLOPROP(n)(1,9)OXAAZACYCLOTETRACOSIN-25(10H)-YLIDENE)AMINO)-1-erythro-HEXOPYRANOSE, 12-ACETATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:5700 mg/kg 85GDA2 2,468,80

scu-mus LD50:2200 mg/kg 85GDA2 2,468,80

ivn-mus LD50:330 mg/kg 85GDA2 2,468,80

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

THB000 CAS: 59558-23-5 HR: 2 p-TOLYL OCTANOATE

mf: C₁₅H₂₂O₂ mw: 234.37

SYNS: p-CRESYL CAPRYLATE □ p-CRESYL OCTANOATE □ OCTANOIC ACID, p-TOLYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,697,78

orl-rat LD50:1600 mg/kg FCTXAV 16,697,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THB100 CAS: 3840-18-4 HR: 3 2-(o-TOLYLOXY)ANILINE

mf: C₁₃H₁₃NO mw: 199.27

SYNS: BENZENAMINE, 2-(2-METHYLPHENOXY)-(9CI) □ ANILINE, 2-(o-TOLYLOXY)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#01681

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

THB250 CAS: 21224-81-7 HR: 3 S-2-((4-(p-TOLYLOXY)BUTYL)AMINO)ETHYL-THIOSULFATE

mf: C₁₃H₂₁NO₄S₂ mw: 319.47

SYNS: THIOSULFURIC ACID, S-(2-((4-(p-TOLYLOXY)BUTYL)-AMINO)ETHYL) ESTER □ 2-((4-(p-TOLYLOXY)BUTYL)AMINO)-ETHANETHIOL HYDROGEN SULFATE (ESTER) □ WR 3121

TOXICITY DATA with REFERENCE:

orl-mus LD50:1400 mg/kg JMCMA 11,1190,68

ipr-mus LD50:35 mg/kg JMCMA 11,1190,68

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

THC250 CAS: 69781-93-7 HR: 3 (2-o-TOLYLOXYETHYL)HYDRAZINE HYDROCHLORIDE

mf: C₉H₁₄N₂O•ClH mw: 202.71

TOXICITY DATA with REFERENCE:

orl-mus LD50:250 mg/kg JMCMA 6,63,63

ipr-mus LD50:200 mg/kg JMCMA 6,63,63

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

THC500 CAS: 81866-63-9 HR: 3 (2-p-TOLYLOXYETHYL)HYDRAZINE HYDROCHLORIDE

mf: C₉H₁₄N₂O•ClH mw: 202.71

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg JMCMA 6,63,63

ipr-mus LD50:250 mg/kg JMCMA 6,63,63

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

THC600 CAS: 1579-40-4 HR: 2 p-(p-TOLYLOXY)TOLUENE

mf: C₁₄H₁₄O mw: 198.28

SYNS: BENZENE, 1,1'-OXYBIS(4-METHYL- □ BIS(4-METHYLPHENYL) ETHER □ 4,4'-DIMETHYLDIPHENYL ETHER □ DI-p-TOLYL ETHER □ 1,1'-OXYBIS(4-METHYLBENZENE) □ p-TOLYL ETHER (6CI,7CI,8CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV NTIS** OTS0545443

orl-rat LDLo:2250 mg/kg NTIS** OTS0537676

ihl-rat LC :>184 ppm/4H NTIS** OTS0537676

skn-rbt LDLo:7940 mg/kg NTIS** OTS0545443

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THD275 CAS: 61785-73-7 HR: D

7-(4-(m-TOLYL)-1-PIPERAZINYL)-4-NITRO-BENZOFURAZAN-1-OXIDEmf: C₁₇H₁₇N₅O₄ mw: 355.39**SYNS:** B2740 □ 7-(4-(3-METHYLPHENYL)-1-PIPERAZINYL)-4-NITROBENZOFURAZAN-1-OXIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 60 µg/plate MUREAV 48,145,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**THD750 CAS: 99-72-9 HR: 2
2-(p-TOLYL)PROPIONIC ALDEHYDE**mf: C₁₀H₁₂O mw: 148.22**SYNS:** p-METHYL HYDROTROPALDEHYDE □ 2-(p-METHYLPHENYL)PROPIONALDEHYDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3500 mg/kg FCTXAV 14(6),601,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.**THD850 CAS: 607-88-5 HR: 2
p-TOLYL SALICYLATE**mf: C₁₄H₁₂O₃ mw: 228.26**SYNS:** BENZOIC ACID, 2-HYDROXY-, 4-METHYLPHENYL ESTER (9CI) □ p-CRESYL SALICYLATE □ 4-METHYLPHENYL 2-HYDROXYBENZOATE □ 4-METHYLPHENYL SALICYLATE □ SALICYLIC ACID, p-TOLYL ESTER**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTOD7 21,835,83

orl-rat LD50:1300 mg/kg FCTOD7 21,835,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**THD875 CAS: 1424-48-2 HR: 2
3-(p-TOLYLSULFONYL)ACRYLONITRILE**mf: C₁₀H₉NO₂S mw: 207.26**SYNS:** ACRYLONITRILE, 3-(p-TOLYLSULFONYL)- □ CP 15749-3 □ 3-((4-METHYLPHENYL)SULFONYL)-2-PROPENENITRILE □ 2-PROPENENITRILE, 3-((4-METHYLPHENYL)SULFONYL)- □ 3-(4-TOLYLSULFONYL)ACRYLONITRILE**TOXICITY DATA with REFERENCE:**

eye-rbt 10 mg MOD NTIS** OTS0545570

orl-rat LD50:1440 mg/kg NTIS** OTS0545570

SAFETY PROFILE: Moderately toxic by ingestion. A moderate eye irritant. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THE250 CAS: 1576-35-8 HR: 2
p-TOLYLSULFONYLHYDRAZINE**mf: C₇H₁₀N₂O₂S mw: 186.25**PROP:** A solid. Mp: 108–110°.**SYNS:** p-TOLUENESULFONIC ACID HYDRAZIDE □ N-TOLUOLSULFONYL HYDRAZINE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1200 mg/kg RPTOAN 36,27,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**THE500 CAS: 80-11-5 HR: 3
p-TOLYLSULFONYLMETHYLNITROSAMINE**mf: C₈H₁₀N₂O₃S mw: 214.26**PROP:** Yellow crystals from benzene and pet ether. Mp: 62°. Insol in water; sol in ether, pet ether, benzene, chloroform, and carbon tet.**SYNS:** DIAZALE □ METHYLNITROSO-p-TOLUENESULFON-AMIDE □ N-NITROSO-N-METHYL-4-TOLYLSULFON-AMIDE □ TOLUENE-p-SULFONYLMETHYLNITROSAMIDE □ p-TOLYLSULFONYL-METHYL-NITROSAMID (GERMAN) □ p-TOLYLSULFONYLMETHYLNITROSAMIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 14 µmol/L ENMUDM 3,11,81

mmo-esc 14 µmol/L ENMUDM 3,11,81

slt-dmg-orl 2330 µmol/kg MUREAV 144,177,85

dns-rat:lvrl 100 µmol/L ENMUDM 3,11,81

orl-rat LD50:2700 mg/kg NATWAY 48,165,61

ipr-mus LD50:19 mg/kg CNREA8 30,11,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many nitrosamines are carcinogens. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also NITROSAMINES.**THF250 CAS: 614-78-8 HR: 3
1-o-TOLYL-2-THIOUREA**mf: C₈H₁₀N₂S mw: 166.26**PROP:** Crystals from water. Mp: 151–152°. Very sol in hot water, alc; very sltly sol in ether.**SYN:** o-TOLYL THIOUREA**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:5 mg/kg NCNSA6 5,1,53

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

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**THF300 CAS: 17766-74-4 HR: 3
1-(m-TOLYL)-4-(3,4,5-TRIMETHOXYBENZOYL)PIPERAZINE**mf: C₂₁H₂₆N₂O₄ mw: 370.49**SYNS:** KETONE, 4-(m-TOLYL)PIPERAZINYL 3,4,5-TRIMETHOXYPHENYL □ PIPERAZINE, 1-(m-TOLYL)-4-(3,4,5-TRIMETHOXYBENZOYL)- □ 4-(m-TOLYL)PIPERAZINYL 3,4,5-TRIMETHOXYPHENYL KETONE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:400 mg/kg JMCAR 11,332,68

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.

THF310 CAS: 17766-75-5 HR: 3
1-(p-TOLYL)-4-(3,4,5-TRIMETHOXYBENZOYL)-PIPERAZINE

mf: C₂₁H₂₆N₂O₄ mw: 370.49

SYNS: KETONE, 4-(p-TOLYL)PIPERAZINYL 3,4,5-TRIMETHOXYPHENYL □ PIPERAZINE, 1-(p-TOLYL)-4-(3,4,5-TRIMETHOXYBENZOYL)- □ 4-(p-TOLYL)PIPERAZINYL 3,4,5-TRIMETHOXYPHENYL KETONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 mg/kg JMCAR 11,332,68

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

THF750 CAS: 63-99-0 HR: 2
3-TOLYLUREA

mf: C₈H₁₀N₂O mw: 150.20

PROP: Leaves from water. Mp: 142–143°.

SYNS: 3-METHYLPHENYLUREA □ m-TOLYL CARBAMIDE □ m-TOLYLUREA

TOXICITY DATA with REFERENCE:

orl-rat LD50:1330 mg/kg IIFBA4 12,195,69

ipr-rat LD50:410 mg/kg IIFBA4 12,195,69

orl-mus LD50:665 mg/kg IIFBA4 12,195,69

ipr-mus LD50:538 mg/kg IIFBA4 12,195,69

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

THG000 CAS: 622-51-5 HR: 2
p-TOLYLUREA

mf: C₈H₁₀N₂O mw: 150.20

PROP: Plates from alc and needles from H₂O. Mp: 182–183°. Very sltly sol in cold water; sol in hot alc.

SYNS: 4-METHYLPHENYLUREA □ NCI-C02153 □ p-TOLYL CARBAMIDE □ p-TOLYLUREA

TOXICITY DATA with REFERENCE:

orl-rat LD50:1200 mg/kg NCIMR* NIH-71-E-2144,73

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

THG250 CAS: 17406-45-0 HR: 3
TOMATINE

mf: C₅₀H₈₃N₂O₂₁ mw: 1034.34

PROP: Antifungal substance in wilt-resistant tomato plants (ARBIAE 18,467,48). Needles. Mp: 263–268°. Sol in ethanol, methanol, dioxane, propylene alc; almost insol in water, ether, pet ether.

SYNS: LYCOPERSICIN □ A"-TOMATIDINE □ TOMATIDINE GLYCOSIDE □ TOMATIN □ α-TOMATINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:900 mg/kg TXAPA9 3,39,61

orl-mus LD50:500 mg/kg FCTXAV 17,61,79

ipr-mus LD50:25 mg/kg SZAPAC 22,557,59

scu-mus LD50:1000 mg/kg 85GDA2 8(2),218,82

ivn-mus LD50:18 mg/kg TXAPA9 3,39,61

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

THG300 CAS: 17605-83-3 HR: 3
α-TOMATINE HYDROCHLORIDE

mf: C₅₀H₈₃N₂O₂₁•ClH mw: 1070.80

SYNS: TOMATINE HYDROCHLORIDE □ α-TOMATINE, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 15 mg TXAPA9 3,39,1961

ivn-mus LD50:18 mg/kg TXAPA9 3,39,1961

SAFETY PROFILE: A poison by intravenous route. An eye irritant. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.

THG500 CAS: 35050-55-6 HR: 3
TOMAYMYCIN

mf: C₁₆H₂₀N₂O₄ mw: 304.38

PROP: Platelets. Mp: 145–146°. Produced by *Streptomyces achromogenes* var. *tomaymycelicus* (85ERAY 2,1303,78).

SYN: 5H-PYRROLO(2,2-c)(1,4)BENZODIAZEPIN-5-ONE, 2-ETHYLIDENE-1,2,3,10,11,11A-HEXAHYDRO-8-HYDROXY-7,11-DIMETHOXY-

TOXICITY DATA with REFERENCE:

dnd-mam:lym 400 μmol/L BBACAQ 475,521,77

ipr-mus LD50:1 mg/kg TOLED5 18,337,83

scu-mus LD50:7400 μg/kg 85GDA2 5,186,81

ivn-mus LD50:3540 μg/kg 85GDA2 5,186,81

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

THG600 CAS: 50602-44-3 HR: 3
TOMIZINE

mf: C₇H₈N₄OS•ClH mw: 232.71

SYNS: 4-METHOXY-7H-PYRIMIDO(4,5-b)(1,4)THIAZIN-6-AMINE MONOHYDROCHLORIDE □ THOMIZINE

TOXICITY DATA with REFERENCE:

sln-dmg-orl 400 mg/L PCJOAU 15,772,81

cyt-mus-ipr 3 mg/kg PCJOAU 15,772,81

spm-mus-ipr 90 mg/kg PCJOAU 15,772,81

ipr-rat LD50:170 mg/kg FATOAO 42,85,79

ipr-mus LD50:180 mg/kg PCJOAU 15,772,81

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

THG700 CAS: 76145-76-1 HR: 2
TOMOXIPROLE

mf: C₂₁H₂₀N₂O mw: 316.43

PROP: Crystals from EtOAc. Mp: 160–161°.

SYNS: 3-ISOPROPYL-2-(p-METHOXYPHENYL)-3H-NAPHTH(1,2-d)IMIDAZOLE □ MDL-035 □ 2-(4-METHOXY-PHENYL)-3-(1-METHYLETHYL)-3H-NAPHTH(1,2-d)IMIDAZOLE □ TOMOXIPROL

TOXICITY DATA with REFERENCE:

orl-rat LD50:15 g/kg DRFUD4 10,161,85

ipr-rat LD50:1500 mg/kg DRFUD4 10,133,85
 ipr-mus LD50:1500 mg/kg DRFUD4 10,133,85
 ipr-dog LD50:1500 mg/kg DRFUD4 10,144,85

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. An anti-inflammatory and analgesic agent. When heated to decomposition it emits toxic fumes of NO_x.

THG750**HR: 2****TONKA ABSOLUTE**

PROP: Main constituent is coumarin, found in seeds of fruit of tree *Dipteryx odorata* (FCTXAV 12,807,74).

TOXICITY DATA with REFERENCE:

skn-mus 500 mg FCTXAV 12,807,74
 skn-rbt 500 mg/24H FCTXAV 12,807,74
 orl-rat LD50:1380 mg/kg FCTXAV 12,807,74

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. See also COUMARIN.

THH000**CAS: 1302-59-6****HR: 2****TOPAZ**

PROP: White powder; colored crystals.

SYNS: ALUMINUM HEXAFLUROSILICATE □
 FLUOSILICATE de ALUMINUM (FRENCH)

TOXICITY DATA with REFERENCE:

orl-gpg LDLo:5000 mg/kg AMSSAQ 400,5,63
 scu-gpg LDLo:4000 mg/kg AMSSAQ 400,5,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous route. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of F⁻.

THH350**CAS: 40507-23-1****HR: 2****TORMOSYL**

mf: C₁₈H₁₇FN₂O mw: 296.37

PROP: A solid. Mp: 172–174°.

SYNS: 4-(p-FLUOROPHENYL)-1-ISOPROPYL-7-METHYL-2(1H)-QUINAZOLINONE □ 4-(4-FLUOROPHENYL)-7-METHYL-1-(1-METHYLETHYL)-2(1H)-QUINAZOLINONE □ 4-FLUOROPHENYL-1-ISOPROPYL-7-METHYL-2(1H)-CHINAZOLINON (GERMAN) □ FLUPROQUAZONE □ 1-ISOPROPYL-7-METHYL-4-(p-FLUOROPHENYL)-2(1H)-QUINAZOLINONE □ RF 46-790 □ SaH 46-790

TOXICITY DATA with REFERENCE:

orl-rat TDLo:500 mg/kg (female 6-15D post):TER
 ARZNAD 31,882,81

ipr-mus LD50:650 mg/kg ARZNAD 34,879,84
 orl-rbt LD50:742 mg/kg ARZNAD 31,882,81

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻ and NO_x.

THH355**CAS: 31984-14-2****HR: 3****N-TOSYL-β-ALANINE CHLOROMETHYL KETONE**

mf: C₁₁H₁₄ClNO₃ mw: 243.71

SYNS: N-(4-CHLORO-3-OXOBUTYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(4-CHLORO-3-OXOBUTYL)-

TOXICITY DATA with REFERENCE:

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

THH360**CAS: 31982-00-0****HR: 3****N-TOSYL-I-ALANINE CHLOROMETHYL KETONE**

mf: C₁₁H₁₄ClNO₃S mw: 275.77

SYNS: I-N-(3-CHLORO-1-METHYLACETONYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(3-CHLORO-1-METHYLACETONYL)-, I-

TOXICITY DATA with REFERENCE:

unr-mus LD50:140 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.

THH375**CAS: 32065-38-6****HR: 3****N-TOSYL-β-ALANINE DIAZOMETHYL KETONE**

mf: C₁₁H₁₃N₃O₃S mw: 267.33

SYNS: N-(4-DIAZO-3-OXOBUTYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(4-DIAZO-3-OXOBUTYL)-

TOXICITY DATA with REFERENCE:

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

THH380**CAS: 31981-99-4****HR: 3****N-TOSYL-I-ALANINE DIAZOMETHYL KETONE**

mf: C₁₁H₁₃N₃O₃S mw: 267.33

SYNS: N-(3-DIAZO-1-METHYLACETONYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(3-DIAZO-1-METHYLACETONYL)-

TOXICITY DATA with REFERENCE:

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

THH450**CAS: 402-71-1****HR: D****I-1-TOSYLAMIDO-2-PHENYLETHYL CHLORO-METHYL KETONE**

mf: C₁₇H₁₈ClNO₃S mw: 351.87

SYNS: BENZENESULFONAMIDE, N-(3-CHLORO-2-OXO-1-(PHENYLMETHYL)PROPYL)-4-METHYL-, (S)- □ I-N-(α-(CHLOROACETYL)PHENETHYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(α-(CHLOROACETYL)PHENETHYL)-, (-)-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: Experimental reproductive effects. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Cl⁻.

**THH460 CAS: 72676-77-8 HR: 3
6-(N-TOSYL)AMINOCAPROIC ACID DIAZO-
METHYL KETONE**mf: C₁₄H₁₉N₃O₃S mw: 309.42**SYNS:** N-(7-DIAZO-6-OXOHEPTYL)-p-TOLUENESULON-AMIDE □ p-TOLUENESULFONAMIDE, N-(7-DIAZO-6-OXOHEPTYL)-**TOXICITY DATA with REFERENCE:**

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**THH470 CAS: 72676-78-9 HR: 3
N-TOSYL-d,I-ISOLEUCINE CHLOROMETHYL
KETONE**mf: C₁₄H₂₀ClNO₃ mw: 285.80**SYNS:** N-(3-CHLORO-1-sec-BUTYLACETONYL)-p-TOLUENE-SULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(3-CHLORO-1-sec-BUTYLACETONYL)-**TOXICITY DATA with REFERENCE:**

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**THH480 CAS: 72676-74-5 HR: 3
N-TOSYL-d,I-ISOLEUCINE DIAZOMETHYL
KETONE**mf: C₁₄H₁₈N₃O₃S mw: 308.41**SYNS:** N-(1-(DIAZOACETYL)-2-METHYLBUTYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(1-(DIAZOACETYL)-2-METHYLBUTYL)-**TOXICITY DATA with REFERENCE:**

unr-mus LD50:100 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THH490 CAS: 72676-73-4 HR: 3
N-TOSYL-I-LEUCINE DIAZOMETHYL KETONE**mf: C₁₄H₁₉N₃O₃S mw: 309.42**SYNS:** N-(3-DIAZO-1-ISOBUTYLACETONYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(3-DIAZO-1-ISOBUTYLACETONYL)-**TOXICITY DATA with REFERENCE:**

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THH500 CAS: 2364-87-6 HR: 3
N-α-TOSYL-I-LYSYL-CHLOROMETHYLKETONE**mf: C₁₄H₂₁ClN₂O₃S mw: 332.88**SYNS:** BENZENESULFONAMIDE, N-(5-AMINO-1-(CHLORO-ACETYL)PENTYL)-4-METHYL-, (S)-(9CI) □ TLCK □ TOSYL-L-YSINE CHLOROMETHYL KETONE □ TOSYL-L-LYSINE

CHLOROMETHYL KETONE □ TOSYL-L-YSYL CHLOROMETHYL KETONE □ α-TOSYL-L-LYSYLCHLOROMETHYL KETONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:59 mg/kg DCTODJ 3,227,80

scu-mus LD50:64 mg/kg DCTODJ 3,227,80

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x. See also KETONES.**THH550 CAS: 102516-65-4 HR: 3
TOSYL-I-PHENYLALANYLCHLOROMETHYL
KETONE**mf: C₁₈H₁₈ClNO₃S mw: 395.88**SYNS:** N-(CHLOROACETYL)-3-PHENYL-N-(p-TOLYLSULFONYL)ALANINE □ N-TOSYL-I-PHENYLALANINE CHLOROMETHYL KETONE**TOXICITY DATA with REFERENCE:**

unr-mus LD50:83 mg/kg JPMSAE 67,1726,78

ivg-mus LD50:75 mg/kg JPMSAE 68,696,79

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Poison by intravaginal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x.**THH555 CAS: 26020-35-9 HR: 3
N-TOSYL-I-VALINE CHLOROMETHYL KETONE**mf: C₁₃H₁₈ClNO₃S mw: 303.83**SYNS:** N-(3-CHLORO-1-ISOPROPYLACETONYL)-p-TOLUENESULFONAMIDE □ p-TOLUENESULFONAMIDE, N-(3-CHLORO-1-ISOPROPYLACETONYL)-**TOXICITY DATA with REFERENCE:**

unr-mus LD50:400 mg/kg JPMSAE 69,1451,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by an unspecified route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**THH560 CAS: 102489-36-1 HR: 3
TOXAPHENE TOXICANT A****TOXICITY DATA with REFERENCE:**

ipr-mus LD50:3100 µg/kg JAFCAU 22,653,74

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.**THH575 CAS: 51775-36-1 HR: 3
TOXAPHENE TOXICANT B**mf: C₁₀H₁₁Cl₇ mw: 379.36**SYNS:** BICYCLO(2.2.1)HEPTANE, 2,2,5,6-TETRACHLORO-1,7,7-TRIS(CHLOROMETHYL)-, (5-endo,6-exo)- □ BORNANE, 2,2,5-endo,6-exo,8,9,10-HEPTACHLORO- □ 2,2,5-endo,6-exo,8,9,10-HEPTACHLOROBORNANE □ 5-endo,6-exo-2,2,5,6-TETRACHLORO-1,7,7-TRIS(CHLOROMETHYL)-BICYCLO(2.2.1)HEPTANE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:6600 µg/kg JAFCAU 22,653,74

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

THI000 CAS: 6696-58-8 HR: 3**TOXIFERINE DICHLORIDE**mf: C₄₀H₄₆N₄O₂•2Cl mw: 685.80**PROP:** Crystals. Sol in water.**SYN:** C-TOXIFERINE 1**TOXICITY DATA with REFERENCE:**

ivn-mky LD50:8900 ng/kg TXAPA9 35,107,76

ims-mky LD50:18 µg/kg TXAPA9 35,107,76

ims-gpg LD50:14 µg/kg TXAPA9 35,107,76

SAFETY PROFILE: A deadly poison by intravenous and intramuscular routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**THI100 CAS: 69279-52-3 HR: 3****TOXIN C (DENDROASPIS POLYLEPIS POLYLEPIS REDUCED)**mf: C₂₈₄H₄₅₅N₈₇O₉₀S₉ mw: 6817.80**TOXICITY DATA with REFERENCE:**

scu-mus LD50:2 mg/kg EJBCAI 69,169,1976

ivn-mus LD50:2100 µg/kg BBACAQ 623,449,1980

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THI130 CAS: 63653-99-6 HR: 3****TOXIN FS 2 (DENDROASPIS POLYLEPIS POLYLEPIS REDUCED)**mf: C₂₉₇N₄₇₀N₉₂O₈₆S₁₀ mw: 3137.19**TOXICITY DATA with REFERENCE:**

scu-mus LD50:8 mg/kg EJBCAI 69,169,1976

SAFETY PROFILE: A poison by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THI250 CAS: 26934-87-2 HR: 3****TOXIN HT 2**mf: C₂₁H₃₂O₈ mw: 412.53**PROP:** Yellow oil.**SYNS:** 12,13-EPOXY-TRICHOHEC-9-ENE-3-α,15-TETROL 15-ACETATE, 8-ISOVALERATE □ HT-2 TOXIN**TOXICITY DATA with REFERENCE:**

skn-gpg 330 ng MLD FAATDF 4(2,Pt 2),S124,84

orl-mus LD50:3800 µg/kg 85GDA2 6,191,81

ipr-mus LD50:5200 µg/kg 85GDA2 6,191,81

orl-ckn LD50:7220 µg/kg AEMIDF 35,636,78

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**THI252 CAS: 100178-16-3 HR: 3****TOXIN I (DENDROASPIS POLYLEPIS POLYLEPIS REDUCED)**mf: C₃₁₅H₄₉₅N₉₇O₈₃S₆ mw: 7162.43**SYNS:** DENDROASPIS POLYLEPIS POLYLEPIS TOXIN I □ DTX1**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:>4 mg/kg TOXIA6 28,847,1990

ice-mus LD50:8 µg/kg TOXIA6 28,847,1990

SAFETY PROFILE: A poison by intraperitoneal and intracerebral routes. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THI255 CAS: 85079-48-7 HR: 3****TOXIN T-17****SYN:** T-17 TOXIN**TOXICITY DATA with REFERENCE:**

orl-mus LD50:520 µg/kg TOXIA6 20,457,1982

ipr-mus LD50:170 µg/kg TOXIA6 20,457,1982

ivn-mus LD50:94 µg/kg TOXIA6 20,457,1982

ipr-gpg TDL₀:0.02 mg/kg VCVPS*,246,1998**SAFETY PROFILE:** A poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits acrid smoke and irritating vapors.**THI260 CAS: 52622-29-4 HR: 1****TOXIN TA2 (DENDROASPIS ANGUSTICEPS REDUCED)**mf: C₂₄₇H₅₆₀N₈₂O₈₄S₁₀ mw: 6345.49**SYN:** TOXIN TA2**TOXICITY DATA with REFERENCE:**

scu-mus LD :>4 mg/kg JBCHA3 249,366,74

SAFETY PROFILE: Low toxicity by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**THI300 CAS: 77848-20-5 HR: 3****TOXIN VI (BURGARUS FASCIATUS REDUCED)****SYN:** BUNGARUS FASCIATUS TOXIN VI**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:3650 µg/kg TIHHAH 70,648,1971

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**THI425 HR: D****TOXOFACTOR****PROP:** A toxin associated with *Toxoplasma gondii* infection that was obtained from the trophozoites and culture medium used to propagate parasites in cell cultures (INFIBR 42,1126,83).**SAFETY PROFILE:** Experimental reproductive effects.**THI500 CAS: 23031-36-9 HR: 3****d,d-T80-PRALLETHRIN**mf: C₁₉H₂₄O₃ mw: 300.43**SYNS:** AI3-29750 □ CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYLPROPENYL)-, ESTER WITH 4-HYDROXY-3-METHYL-2-(2-PROPYNYL)-2-CYCLOPENTEN-1-ONE, trans-(+)- □ ETOC □ PRALLETHRIN □ S 4068 □ S-4068 SF**TOXICITY DATA with REFERENCE:**

orl-rat LD50:460 mg/kg IYKEDH 20,228,1989

ihl-rat LC50:>848 µg/m³ IYKEDH 26,364,1995

skn-rat LD50:>5 g/kg FMCHA2-,C130,1991

orl-mus LD50:190 mg/kg IYKEDH 20,228,1989

skn-mus LD50:615 mg/kg IYKEDH 20,228,1989

SAFETY PROFILE: A poison by ingestion and inhalation. Low toxicity by skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.**THJ100 CAS: 3084-62-6 HR: 2**
2,4,5-*tert* PROPYLENE GLYCOL BUTYL ETHER ESTER

mf: C₁₅H₁₉Cl₃O₄ mw: 369.69**SYNS:** 2,4,5-*tert* PGBEE □ 2,4,5-TRICHLOROPHENOXYACETIC ACID, PROPYLENE GLYCOL BUTYL ETHER ESTERS**TOXICITY DATA with REFERENCE:**

orl-rat LD50:500 mg/kg NTIS** PB85-143766

CONSENSUS REPORTS: Glycol ether compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by ingestion. Some glycol ethers have dangerous human reproductive effects. An experimental teratogen. When heated to decomposition it emits toxic fumes of Cl₂. See also AGENT ORANGE and GLYCOL ETHERS.**THJ250 CAS: 9000-65-1 HR: 2
TRAGACANTH GUM****PROP:** From the shrub *Astragalus gummifier* Labillardiere. Powder is white, pieces are white to pale yellow, translucent, and horny; odorless with mucilaginous taste.**SYNS:** GUM TRAGACANTH □ TRAGACANTH**TOXICITY DATA with REFERENCE:**

skn-rbt 3050 µg/24H MLD JACTDZ 6(1),1,87

eye-rbt 610 µg MLD JACTDZ 6(1),1,87

orl-rat LD50:16,400 mg/kg 85AIAL -,45,73

orl-mus LD50:10,000 mg/kg FDRLI* 124,-,76

orl-rbt LD50:7200 mg/kg FDRLI* 124,-,76

orl-ham LD50:8800 mg/kg FDRLI* 124,-,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. A mild allergen. A skin and eye irritant. Combustible when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes.**THJ300 CAS: 66841-25-6 HR: 3
TRALOMETHRIN**mf: C₂₂H₁₉Br₄NO₃ mw: 665.06**SYNS:** CYANO(3-PHENOXYPHENYL)METHYL 2,2-DIMETHYL-3-(1,2,2,2-TETRABROMOETHYL)CYCLOPROPANECARBOXYLATE □ CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(1,2,2,2-TETRABROMOETHYL)-, CYANO(3-PHENOXYPHENYL)METHYL ESTER □ HAG 107 □ RU 25472 □ RU 25474 □ SCOUT X-TRA □ TRALOMETHRINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:99 mg/kg PEMNDP 9,829,91

ihl-rat LC50:2700 mg/m³ FMCHA2 -,C271,91

orl-dog LD50:>500 mg/kg PEMNDP 9,829,91

skn-rbt LD50:>2 g/kg PEMNDP 9,829,91

orl-qal LD50:>2150 mg/kg PEMNDP 9,829,91

SAFETY PROFILE: A poison by ingestion and inhalation routes. Moderately toxic by skin contact. When heated to decomposition it emits toxic vapors of NO_x and Br⁻.**THJ500 CAS: 27203-92-5 HR: 3
TRAMADOL**mf: C₁₆H₂₅NO₂ mw: 263.42**SYNS:** CG 315 □ (±)-trans-2-((DIMETHYLAMINO)METHYL-1-(*m*-METHOXYPHENYL))CYCLOHEXANOL □ TRAMAL**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:228 mg/kg TXAPA9 18,185,71

scu-rat LDLo:286 mg/kg TXAPA9 18,185,71

orl-mus LD50:350 mg/kg ARZNAD 28,164,78

scu-mus LD50:200 mg/kg ARZNAD 28,164,78

ivn-mus LD50:68 mg/kg ARZNAD 28,164,78

orl-dog LD50:450 mg/kg ARZNAD 28,164,78

ivn-dog LD50:50 mg/kg ARZNAD 28,164,78

ims-dog LD50:100 mg/kg ARZNAD 28,164,78

orl-rbt LD50:500 mg/kg ARZNAD 28,164,78

ivn-rbt LD50:50 mg/kg ARZNAD 28,164,78

ims-rbt LD50:300 mg/kg ARZNAD 28,164,78

orl-gpg LD50:850 mg/kg ARZNAD 28,164,78

scu-gpg LD50:245 mg/kg ARZNAD 28,164,78

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intramuscular routes. When heated to decomposition it emits toxic fumes of NO_x. See also TRAMADOL HYDROCHLORIDE.**THJ600 CAS: 46941-74-6 HR: 3
TRAMADOL (2)**mf: C₁₆H₂₅NO₂ mw: 263.42**SYNS:** trans-(±)-CYCLOHEXANOL-2-((DIMETHYLAMINO)-METHYL)-1-(3-METHOXYPHENYL) □ (+)-trans-2-((DIMETHYLAMINOMETHYL)-1-(*m*-METHOXYPHENYL))CYCLOHEXANOL □ (+)-(E)-2-((DIMETHYLAMINOMETHYL)-1-(*m*-METHOXYPHENYL))CYCLOHEXANOL**TOXICITY DATA with REFERENCE:**

scu-mus LD50:198 mg/kg ARZNAD 28,114,78

ivn-mus LD50:47 mg/kg ARZNAD 28,114,78

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**THJ750 CAS: 73806-49-2 HR: 3
TRAMADOL HYDROCHLORIDE**mf: C₁₆H₂₅NO₂•ClH mw: 299.88**PROP:** White crystals. Mp: 180–181°. Sol in water.**SYNS:** CRISPIN □ trans-2-((DIMETHYLAMINOMETHYL)-1-(*m*-METHOXYPHENYL))CYCLOHEXANOL HYDROCHLORIDE □ (E)-2-((DIMETHYLAMINO)METHYL)-1-(*m*-METHOXYPHENYL)-1-CYCLOHEXANOL HYDROCHLORIDE □ K-315 □ 1-(*m*-METHOXYPHENYL)-2-DIMETHYLAMINOMETHYL-CYCLOHEXAN-1-OL HYDROCHLORIDE □ trans-1-(*m*-METHOXYPHENYL)-2-DIMETHYLAMINOMETHYL-CYCLOHEXAN-1-OL HYDROCHLORIDE □ TRAMAL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:228 mg/kg ARZNAD 28,164,78

scu-rat LD50:286 mg/kg ARZNAD 28,164,78

ivn-rat LD50:57,600 µg/kg NIIRDN 6,513,82

ims-rat LD50:244 mg/kg NIIRDN 6,513,82

orl-mus LD50:270 mg/kg CCCCAC 52,1340,87

scu-mus LD50:200 mg/kg ARZNAD 28,114,78

ivn-mus LD50:60,450 µg/kg CCCCAC 52,1340,87

ims-mus LD50:258 mg/kg KSRNAM 6,1427,72

SAFETY PROFILE: Poison by ingestion, subcutaneous, intramuscular, and intravenous routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and HCl. Used as an analgesic. See also TRAMADOL.**THJ825 CAS: 3715-90-0 HR: 3
TRAMAZOLINE HYDROCHLORIDE**mf: C₁₃H₁₇N₃•ClH mw: 251.79**PROP:** Crystals from alc and ether or acetone and ether. Mp: 172–174°. Sol in water.

SYNS: 4,5-DIHYDRO-N-(4,6,7,8-TETRAHYDRO-1-NAPHTH-ALENYL)-1H-IMIDAZOL-2-AMINE MONOHYDROCHLORIDE □ KB 227 □ TETRAHYDRONAPHTHYLAMINOIMIDAZOLINE HYDROCHLORIDE □ 2'-(5,6,7,8-TETRAHYDRO-1-NAPHTHYLAMINO)IMIDAZOLINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:195 mg/kg NIIRDN 6,513,82
ipr-mus LD50:57 mg/kg NIIRDN 6,513,82
scu-mus LD50:77 mg/kg NIIRDN 6,513,82

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

**THK000 CAS: 64-95-9 HR: 3
TRANSENTINE**

mf: C₂₀H₂₅NO₂ mw: 311.46

SYNS: ADIPHENIN □ 2-DIETHYLAMINOETHYL DIPHENYL ACETATE □ 2-DIETHYLAMINOETHYL ESTER KYSELINY DIFENYLOCTOVE (CZECH) □ 2-(DIETHYLAMINO)ETHYL ESTER-2-PHENYL BENZENE ACETIC ACID □ DIFACIL □ DIPHENYLACETIC ACID, 2-(DIETHYLAMINO)ETHYL ESTER □ DIPHENYLACETIC ACID DIETHYLAMINOETHYL ESTER □ DIPHENYLACETYLDIETHYLAMINOETHANOL □ ESTER DWETYLOAMINOETYLOWSKY KWASU DWUFENYLO-OCTOWEGO (POLISH) □ PATROVINE □ SPASMOLYTON □ TRAZENTYNA (POLISH) □ VEGANTINE □ WEGANTYNA (POLISH)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:182 mg/kg PCJOAU 2,201,68
ivn-rat LD50:27 mg/kg AJDDAL 18,241,51
orl-mus LD50:600 mg/kg CLDND*
ivn-rbt LD50:30 mg/kg CLDND*
ivn-dog LD50:35 mg/kg JPETAB 89,131,47
ivn-mus LD50:21,500 µg/kg JPETAB 104,269,52
orl-rat LDLo:1600 mg/kg APPNAH 1,4,50
scu-mus LD50:400 mg/kg BJPCAL 14,559,59
scu-rat LDLo:1600 mg/kg APPNAH 1,4,50

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

**THK600 CAS: 298-51-1 HR: 3
TRANSEGAN**

mf: C₁₉H₂₂N₂O₂S•ClH mw: 378.95

SYNS: β-DIETHYLAMINOETHYL PHENOTHIAZINE-10-CARBOXYLATE HYDROCHLORIDE □ β-DIETHYLAMINO-ETHYL PHENOTHIAZINE-N-CARBOXYLATE HYDROCHLORIDE □ 10-PHENOTHIAZINECARBOXYLIC ACID β-DIETHYLAMINOETHYL ESTER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:440 mg/kg APTOA6 13,59,57
ipr-mus LD50:140 mg/kg APTOA6 13,59,57
scu-mus LD50:620 mg/kg APTOA6 13,59,57
ivn-mus LD50:26 mg/kg AIPAK 90,241,52

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 NO_x, SO_x, and HCl. See also ESTERS.

**THK750 CAS: 6452-73-9 HR: 3
TRASICOR**

mf: C₁₅H₂₃NO₃•ClH mw: 301.85

SYNS: 2-(o-ALLYLOXYPHENOXY)-2-HYDROXY-N-ISOPROPYL-1-PROPYLAMINE HYDROCHLORIDE □ 1-(o-ALLYLOXYPHENOXY)-3-ISOPROPYLAMINOPROPAN-2-OL HYDROCHLORIDE □ Ba-39089 □ C-39089-Ba □ CIBA 39089-Ba □ CORETAL □ OXPRENOLOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-wmn LDLo:90 mg/kg BMJOAE 1,552,77
orl-rat LD50:214 mg/kg ARZNAD 35,1236,85
ipr-rat LD50:147 mg/kg NIIRDN 6,158,82
scu-rat LD50:940 mg/kg ARZNAD 18,164,68
ivn-rat LD50:33 mg/kg ARZNAD 18,164,68
ipr-mus LD50:170 mg/kg PJPPAA 25,151,73
scu-mus LD50:245 mg/kg ARZNAD 18,164,68
ivn-mus LD50:20 mg/kg ARZNAD 27,1022,77
ivn-dog LD50:15 mg/kg ARZNAD 20,1890,70
ivn-rbt LDLo:20 mg/kg ARZNAD 20,1890,70

SAFETY PROFILE: Human poison by ingestion. Experimental poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic experimentally by subcutaneous route. Experimental reproductive effects. A beta-adrenergic blocker. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ALLYL COMPOUNDS and AMINES.

**THK850 HR: 1
TRAXANOX SODIUM PENTAHYDRATE**

mf: C₁₃H₅ClN₃O₂•Na•5H₂O mw: 411.77

SYNS: 9-CHLORO-5-OXO-7-(1H-TETRAZOL-5-YL)-5H-1-BENZOPYRANO(2,3-b)PYRIDINE SODIUM SALT PENTAHYDRATE □ 9-CHLORO-7-(1H-TETRAZOL-5-YL)-5H-1-BENZOPYRANO(2,3-b)PYRIDIN-5-ONE SODIUM PENTAHYDRATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:6685 mg/kg IYKEDH 14,709,83
ipr-mus LD50:9274 mg/kg IYKEDH 14,709,83

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

**THK875 CAS: 19794-93-5 HR: 3
TRAZODONE**

mf: C₁₉H₂₂ClN₅O mw: 371.91

PROP: Crystals. Mp: 86–87°, pKa (50% ethanol): 6.14.

SYNS: 2-(3-(4-(3-CHLOROPHENYL)-1-PIPERAZINYL)PROPYL)-1,2,4-TRIAZOLO(4,3-a)PYRIDIN-3(2H)-ONE □ DESYREL □ TRAZODON

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:14 mg/kg:LIV AIMEAS 99,572,83
orl-rat LD50:690 mg/kg DRUGAY 21,401,81
ipr-rat LD50:178 mg/kg DRUGAY 21,401,81
ivn-rat LD50:91 mg/kg DRUGAY 21,401,81
orl-mus LD50:610 mg/kg DRUGAY 21,401,81
ipr-mus LD50:210 mg/kg DRUGAY 21,401,81
ivn-mus LD50:91 mg/kg DRUGAY 21,401,81

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects: cholestatic jaundice. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

THK880 CAS: 25332-39-2 HR: 3

TRAZODONE HYDROCHLORIDEmf: C₁₉H₂₂ClN₅O•ClH mw: 408.37

SYNS: AF 1161 □ 2-(3-(4-(3-CHLOROPHENYL)-1-PIPERAZINYL)PROPYL)-s-TRIAZOLO(4,3-a)PYRIDIN-3(2H)-ONE HCl □ DESYREL □ MOLIPAXIN □ PRAGMAZONE □ THOMBRAN □ TOMBRAN □ s-TRIAZOLO(4,3-a)PYRIDIN-3(2H)-ONE, 2-(3-(4-(m-CHLOROPHENYL)-1-PIPERAZINYL)PROPYL)-, MONOHYDROCHLORIDE □ TRITTICO

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:750 µg/kg AJPSAO 141,434,84
 orl-wmn TDLo:7500 µg/kg/5D-I AJPSAO 140,642,83
 orl-man TDLo:46 mg/kg/8D-I JCPYDR 6,117,86
 orl-man TDLo:667 µg/kg:CVS AJPSAO 141,1472,84
 orl-rat LD50:690 mg/kg MPPPBK 9,76,74
 ipr-rat LD50:178 mg/kg MPPPBK 9,76,74
 ivn-rat LD50:91 mg/kg MPPPBK 9,76,74
 orl-mus LD50:610 mg/kg MPPPBK 9,76,74
 ivn-mus LD50:91 mg/kg MPPPBK 9,76,74
 orl-dog LD50:500 mg/kg MPPPBK 9,76,74
 ivn-mky LD50:25 mg/kg PBPSDY 3,94,81

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Experimental reproductive effects. Human systemic effects by ingestion: cardiomyopathy. When heated to decomposition it emits toxic fumes of NO_x, HCl, and Cl⁻.

THK900 CAS: 68648-41-9 HR: 1**TREEMOSS CONCRETE****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTXAV 13,915,1975
 orl-rat LD50:4330 mL/kg FCTXAV 13,915,1975
 skn-rbt LD50:>5 g/kg FCTXAV 13,915,1975

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A mild skin irritant.

THL550 CAS: 1553-34-0 HR: 3**TREMARIL HYDROCHLORIDE**mf: C₂₉H₂₃NS•ClH mw: 345.96**PROP:** Crystals. Mp: 217°.

SYNS: METHIXENE HYDROCHLORIDE □ 9-(1-METHYL-3-PIPERIDYLMETHYL)THIAOXANTHENE HYDROCHLORIDE □ 9-((N-METHYL-3-PIPERIDYL)METHYL)-THIOXANTHENHYDROCHLORID (GERMAN) □ 1-METHYL-3-(THIOXANTHEN-9-YLMETHYL)-1-PIPERIDINE HYDROCHLORIDE □ N 715 □ 3-(THIOXANTHEN-9-YL)METHYL-1-PIPECOLINE, HYDROCHLORIDE □ TREMARIL WONDER □ TREST

TOXICITY DATA with REFERENCE:

orl-rat LD50:1460 mg/kg NIIRDN 6,824,82
 ipr-rat LD50:295 mg/kg NIIRDN 6,824,82
 scu-rat LD50:1519 mg/kg NIIRDN 6,824,82
 ivn-rat LD50:24 mg/kg AIPTAK 141,331,63
 orl-mus LD50:346 mg/kg NIIRDN 6,824,82
 ipr-mus LD50:108 mg/kg NIIRDN 6,824,82
 scu-mus LD50:238 mg/kg NIIRDN 6,824,82
 ivn-mus LD50:18 mg/kg 27ZQAG -,80,72

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

THL550 CAS: 14567-73-8 HR: D**TREMOLITE (NON-ASBESTIFORM)****SYNS:** TREMOLITE □ TREMOLITENA**CONSENSUS REPORTS:** Reported in NTP

Carcinogenesis Studies (feed); No Evidence: rat NTPTR* NTP-TR-277,90.

SAFETY PROFILE: No evidence of carcinogenic activity.

THL575 CAS: 300-68-5 HR: 3**TREMORINE DICHLOROHYDRATE**mf: C₁₂H₂₀N₂•2ClH mw: 265.26

SYNS: 1,1'-(2-BUTYNYLENE)DIPYRROLIDINE DIHYDROCHLORIDE □ PYRROLIDINE, 1,1'-(2-BUTYNE-1,4-DIYL)BIS-, DIHYDROCHLORIDE □ PYRROLIDINE, 1,1'-(2-BUTYNYLENE)DI-, DIHYDROCHLORIDE □ TREMORINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-mus LD50:195 mg/kg THERAP 20,265,1965
 ivn-mus LD50:70 mg/kg THERAP 20,265,1965

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

THL600 HR: D**TRENBOLONE**mf: C₁₈H₂₂O₂ mw: 270.38**PROP:** Crystals. Mp: 186°.

SYNS: 4,9,11-ESTRATRIEN-17β-OL-3-ONE □ 17β-HYDROXYESTRA-4,9,11-TRIEN-3-ONE □ TRIENBOLONE □ TRIENOLONE

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

THL750 CAS: 3736-86-5 HR: 3**TRENTADIL HYDROCHLORIDE**mf: C₂₀H₂₇N₅O₃•ClH mw: 421.98

SYNS: BAMIFYLLINE HYDROCHLORIDE □ BAMIPHYLLINE HYDROCHLORIDE □ BAX 2793Z □ BENZETAMOPHYLLINE HYDROCHLORIDE □ 8-BENZYL-7-(2-(ETHYL(2-HYDROXYETHYL)AMINO)ETHYL)THEOPHYLLINE, HYDROCHLORIDE □ TRENTADIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1139 mg/kg ARZNAD 18,460,68
 ipr-rat LD50:131 mg/kg ARZNAD 18,460,68
 ivn-rat LD50:64,800 µg/kg ARZNAD 18,460,68
 orl-mus LD50:246 mg/kg ARZNAD 18,460,68
 ipr-mus LD50:89,400 µg/kg ARZNAD 18,460,68
 ivn-mus LD50:66,800 µg/kg ARZNAD 18,460,68

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

THL800 CAS: 675-10-5 HR: 2**TRIAACETIC ACID LACTONE**mf: C₆H₆O₃ mw: 126.12

SYNS: 4-HYDROXY-6-METHYL-2H-PYRAN-2-ONE □ 6-METHYL-4-HYDROXYPYRON-(2) □ 2H-PYRAN-2-ONE, 4-HYDROXY-6-METHYL-

TOXICITY DATA with REFERENCE:

scu-mus LD50:3200 mg/kg AIPTAK 128,126,60

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous route.

THM250 CAS: 16800-47-8 HR: 3
TRIACETONITRILE TUNGSTEN TRICARBONYL

mf: C₉H₉N₃O₃W mw: 391.06

SYN: TRIS(ACETONITRILE)TRICARBONYLTUNGSTEN

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56,200 µg/kg CSLNX* NX#02385

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

ACGIH TLV: TWA 5 mg(W)/m³; STEL 10 mg(W)/m³

NIOSH REL: TWA 1 mg(W)/m³

SAFETY PROFILE: Poison by intravenous route.

When heated to decomposition it emits very toxic fumes of NO_x and CN⁻. See also TUNGSTEN COMPOUNDS, NITRILES, and CARBONYLS.

THM300 CAS: 3316-46-9 HR: D
TRIACETYL APIGENIN

mf: C₂₁H₁₆O₅ mw: 348.37

SYNS: APIGENIN TRIACETATE □ 4H-1-BENZOPYRAN-4-ONE, 5,7-BIS(ACETILOXY)-2-(4-ACETILOXY)PHENYL- □ FLAVONE, 4',5,7-TRIHYDROXY-, TRIACETATE □ 4',5,7-TRIACETOXY FLAVONE

TOXICITY DATA with REFERENCE:

mic-sat 100 µLg/plate ENMUDM 3,401,1981

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

THM500 CAS: 102-76-1 HR: 3
TRIACETYL GLYCERIN

mf: C₉H₁₄O₆ mw: 218.23

PROP: Colorless oily liquid; slt fatty odor and taste. Mp: -78°, bp: 258°, flash p: 280°F (COC), d: 1.161, autoign temp: 812°F, vap d: 7.52. Sol in water; misc with alc, ether, chloroform.

SYNS: ENZACTIN □ FEMA No. 2007 □ FUNGACETIN □ GLYCERINE TRIACETATE □ GLYCEROL TRIACETATE □ GLYCERYL TRIACETATE □ GLYPED □ KESSCOFLEX TRA □ KODAFLEX TRIACETIN □ 1,2,3-PROPANETRIOL TRIACETATE □ TRIACETIN (FCC) □ VANAY

TOXICITY DATA with REFERENCE:

eye-rbt 116 mg JPETAB 82,377,44

orl-rat LD50:3000 mg/kg AMIHAB 21,28,60

ipr-rat LD50:2100 mg/kg FCTXAV 16,637,78

scu-rat LD50:2800 mg/kg PSEBAA 46,26,41

orl-mus LD50:1100 mg/kg FEPA7 22,368,63

ipr-mus LD50:1400 mg/kg FEPA7 22,368,63

scu-mus LD50:2300 mg/kg PSEBAA 46,26,41

ivn-mus LD50:1600 mg/kg APSCAX 40,338,57

ivn-dog LD50:1500 mg/kg FCTXAV 16,637,78

ivn-rbt LD50:750 mg/kg FCTXAV 16,637,78

orl-frg LDLo:150 mg/kg FCTXAV 16,637,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal, subcutaneous, and intravenous

routes. An eye irritant. Combustible when exposed to heat, flame, or powerful oxidizers. To fight fire, use alcohol foam, water, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

THM750 CAS: 2169-64-4 HR: 1
2-(2',3',5'-TRIACETYL-β-d-RIBOFURANOSYL)-as-TRIAZINE-3,5-(2H,4H)-DIONE

mf: C₁₄H₁₇N₃O₉ mw: 371.34

PROP: A solid. Mp: 102-103°.

SYNS: AZARIBINE □ CB 304 □ NSC-67239 □ 2-β-d-RIBOFURANOSYL-as-TRIAZINE-3,5-(2H,4H)-DIONE 2',3',5'-TRIACETATE □ TA-AZUR □ TRIACETYL-6-AZAURIDINE □ 2',3',5'-TRIACETYL-6-AZAURIDINE □ 2',3',5'-TRI-o-ACETYL-6-AZAURIDINE □ TRIAZURE

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:5670 mg/kg/6W:CNS,BLD AJOGAH 108,272,70

orl-rat LD50:12 g/kg TXAPA9 17,511,70

orl-mus LD50:7800 mg/kg TXAPA9 17,511,70

SAFETY PROFILE: Mildly toxic by ingestion. Human systemic effects by ingestion: somnolence, convulsions or effect on seizure threshold, and cell count changes. When heated to decomposition it emits toxic fumes of NO_x. Used to treat psoriasis.

THM900 CAS: 959-52-4 HR: 3
1,3,5-TRIACRYLOYLHEXAHYDROTRIAZINE

mf: C₁₂H₁₅N₃O₃ mw: 249.30

SYNS: FIXIERER P □ HEXAHYDRO-1,3,5-TRIS(1-OXO-2-PROPENYL)-1,3,5-TRIAZINE □ TRIACRYLFORMAL □ TRIACRYLOYLHEXAHYDROTRIAZINE □ TRI(N-ACRYLOYL)HEXAHYDROTRIAZINE □ TRIACRYLOYL-HEXAHYDRO-s-TRIAZINE □ TRIACRYLOYLPERHYDRO-TRIAZINE □ s-TRIAZINE, HEXAHYDRO-1,3,5-TRIACRYLOYL- □ 1,3,5-TRIAZINE, HEXAHYDRO-1,3,5-TRIS(1-OXO-2-PROPENYL)-(9CI) □ TRIS(N-ACRYLOYL)HEXAHYDRO-TRIAZINE □ TRIS(ACRYLOYL)HEXAHYDRO-s-TRIAZINE

TOXICITY DATA with REFERENCE:

eye-rbt 500 µg SEV TXCYAC 40,145,86

mnt-mus-ipr 9300 µg/kg TXCYAC 40,145,86

cyt-ham:ovr 700 µg/L TXCYAC 40,145,86

orl-rat LD50:350 mg/kg TXCYAC 40,145,86

skn-rbt LD50:70 mg/kg TXCYAC 40,145,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and skin contact routes. Mutation data reported. A severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

THM910 CAS: 13675-27-9 HR: 3
TRIALLYL ACONITATE

mf: C₁₅H₁₈O₆ mw: 294.33

SYN: ACONITIC ACID, TRIALLYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:125 mg/kg CBCCT* 6,214,1954

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

THN000 CAS: 102-70-5 HR: 3**TRIALLYLAMINE****DOT:** UN 2610mf: C₉H₁₅N mw: 137.25**PROP:** Oily liquid with unpleasant odor. D: 0.800 @ 20°/4°, mp: <-70°, bp: 150–151°, flash p: 103°F (TOC).**SYN:** N-N-DI-2-PROPENYL-2-PROPEN-1-AMINE**TOXICITY DATA with REFERENCE:**

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

eye-rbt 50 mg/20S rns MLD AEHLAU 1,343,60

ihl-man TCLO:13 ppm/5M:PUL AEHLAU 1,343,60

orl-rat LD50:1030 mg/kg AIHAAP 23,95,62

ihl-rat LC50:2800 mg/4H 85GMAT -,112,82

orl-mus LD50:492 mg/kg AEHLAU 1,343,60

ipr-mus LD50:187 mg/kg AEHLAU 1,343,60

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

ihl-uns LC50:2800 mg/m³ TPKVAL 14,80,75

unr-uns LD50:620 mg/kg TPKVAL 14,80,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Poison by skin contact and intraperitoneal routes. Moderately toxic by ingestion and inhalation. An eye and severe skin irritant. Human systemic effects by inhalation: structural or functional changes in trachea or bronchi. Flammable liquid when exposed to heat, flame or oxidizers. To fight fire, use foam, alcohol foam, fog. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES and ALLYL COMPOUNDS.**THN250 CAS: 1693-71-6 HR: 2****TRIALLYL BORATE****TOXICITY DATA with REFERENCE:****PROP:** Moisture-sensitive liquid. D: 0.926 @ 20°/4°, bp: 76° @ 15 mm. Sol in non-hydroxylic solvs.**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1800 mg/kg USBCC* 32,-,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes of BO_x. See also BORON COMPOUNDS, ESTERS, and ALLYL COMPOUNDS.**THN500 CAS: 101-37-1 HR: 3****TRIALLYL CYANURATE**mf: C₁₂H₁₅N₃O₃ mw: 243.24**PROP:** Bp: 120° @ 5 mm, fp: 27.3°, flash p: >176°F (TOC), d: 1.1133 @ 30°, vap press: 1 mm @ 100°.**SYNS:** TRIPROPARGYL CYANURATE □ 2,4,6-TRIPROP-2-YNLYOXY-s-TRIAZINE □ 2,4,6-TRIS(ALLYLOXY)TRIAZINE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#00905

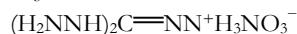
CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Flammable when exposed to heat, flame, or oxidizers. To fight fire, use spray, foam, dry chemical. When heated to decomposition or on contact with acid or acid fumes itemits highly toxic fumes of CN⁻ and NO_x. See also ESTERS and ALLYL COMPOUNDS.**THN750 CAS: 1623-19-4 HR: 3****TRIALLYL PHOSPHATE**mf: C₉H₁₅O₄P mw: 218.21**PROP:** A liquid. Bp: 78° @ 0.5 mm.**SYNS:** ALLYL PHOSPHATE □ PHOSPHORIC ACID, TRIALLYL ESTER □ PHOSPHORIC ACID, TRI-2-PROPENYL ESTER**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:500 mg/kg CBCCT* 5,337,53

ivn-mus LD50:70,800 µg/kg CBCCT* 6,138,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Can explode on distillation. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHATES, ESTERS, and ALLYL COMPOUNDS.**THN775 CAS: 108-72-5 HR: D****1,3,5-TRIAMINO BENZENE**mf: C₆H₉N₃ mw: 123.18**SYNS:** 1,3,5-BENZENETRIAMINE □ s-TRIAMINO BENZENE □ sym-TRIAMINO BENZENE**TOXICITY DATA with REFERENCE:**

mma-sat 5 µmol/plate JTSCDR 4,317,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**THN800 CAS: 4000-16-2 HR: 2****TRIAMINO GUANIDINE NITRATE**mf: CH₈N₆•NO₃ mw: 166.16**SYNS:** CARBONOHYDRAZONIC DIHYDRAZIDE, MONONITRATE (9CI) □ TAGN**TOXICITY DATA with REFERENCE:**

mmo-sat 500 µg/plate NTIS** AD-A064-950

dns-hmn:emb 10 mg/L NTIS** AD-A064-950

ivn-mus LD50:3650 mg/kg NTIS** AD-A039-514

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intravenous route. An experimental teratogen. Experimental reproductive effects. Human mutation data reported. Decomposes violently at 230°C. When heated to decomposition it emits toxic fumes of NO_x. See also NITRATES and AMINES.**THO250 CAS: 4104-85-2 HR: 2****TRIAMINO GUANIDINIUM PERCHLORATE**mf: CH₉ClN₆O₄ mw: 204.58**SAFETY PROFILE:** Violent decomposition at 217°C. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also PERCHLORATES and AMINES.**THO500 CAS: 6334-30-1 HR: 3**
2,4,6-TRIAMINOPHENOL TRIHYDROCHLORIDE

mf: $C_6H_9N_3O \cdot 3ClH$ mw: 248.56

TOXICITY DATA with REFERENCE:

ipr-mus LDLo: 63 mg/kg CBCCT* 6,225,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THO550 CAS: 4232-84-2 HR: 3
TRIAMINOPHENYL PHOSPHATE

mf: $C_{18}H_{18}N_3O_4P$ mw: 371.36

SYNS: p-AMINOPHENOL PHOSPHATE (3:1) (ester) □ 4-AMINOPHENOL PHOSPHATE (3:1) (ester) □ TRIS(4-AMINOPHENYL) PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50: 138 mg/kg GISAAA 49(10),82,84

orl-mus LD50: 91 mg/kg GISAAA 49(10),82,84

orl-rbt LD50: 400 mg/kg GISAAA 49(10),82,84

orl-gpg LD50: 400 mg/kg GISAAA 49(10),82,84

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of PO_x and NO_x . See also AMINES.

THO750 CAS: 37640-57-6 HR: 2
2,4,6-TRIAMINO-s-TRIAZINE compounded with s-TRIAZINE-TRIOL

mf: $C_3H_6N_6 \cdot C_3H_3N_3O_3$ mw: 219.21

SYN: MELAMINKYANURAT (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MOD 28ZPAK -,154,72

orl-rat LDLo: 2500 mg/kg 28ZPAK -,154,72

skn-rat LD50: 5520 mg/kg GTPZAB 30(1),44,86

ipr-rat LD50: 2020 mg/kg GTPZAB 30(1),44,86

orl-mus LD50: 3460 mg/kg GTPZAB 30(1),44,86

ihl-mus LCLo: 1240 mg/m³/2H GTPZAB 30(1),44,86

ipr-mus LD50: 1130 mg/kg GTPZAB 30(1),44,86

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and intraperitoneal routes. Mildly toxic by skin contact. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

THO775 HR: 3
1,3,5-TRIAMINOTRINITROBENZENE

mf: $C_6H_6N_6O_6$ mw: 258.15

$(H_2N)_3C_6(NO_2)_3$

SAFETY PROFILE: Mixtures with hydroxylaminium perchlorate are explosive. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

THP000 CAS: 548-61-8 HR: 2
TRIAMINOTRIPHENYLMETHANE

mf: $C_{19}H_{19}N_3$ mw: 289.41

PROP: Leaves from water; pale rose plates from H_2O , EtOH, or C_6H_6 . Mp: 208°. Sltly sol in cold water; sol in abs alc and benzene.

SYNS: LEUCOPARAFUCHSIN □ LEUCOPARAFUCHSINE □ 4,4',4"-METHYLIDYNETRIANILINE □ 4,4',4"-METHYLIDYNE-TRISBENZENEAMINE □ p,p',p"-TRIAMINOTRIPHENYL-

METHANE □ 4,4',4"-TRIAMINOTRIPHENYLMETHANE □ TRIS-4-AMINOPHENYLMETHAN (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,73,72

orl-rat TDLo: 26 g/kg/47W-I:ETA VOONAW 22(9),66,76

orl-rat LD50: 2640 mg/kg 28ZPAK -,73,72

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

THP250 CAS: 17168-85-3 HR: 3
TRIAMINEDIPEROXOCHROMIUM(IV)

mf: $CrH_9N_3O_4$ mw: 167.09

SAFETY PROFILE: Suspected carcinogen. Chromium compounds are generally poisons. May explode with heat or shock. May explode at 120°C. An oxidizer. When heated to decomposition it emits toxic fumes of NO_x . See also CHROMIUM COMPOUNDS, PEROXIDES, and AMINES.

THP500 HR: 3
TRIAMMINE GOLDTRIHYDROXIDE

mf: $AuH_{12}N_3O_3$ mw: 209.07

SAFETY PROFILE: A potentially explosive compound. When heated to decomposition it emits toxic fumes of NO_x . See also GOLD COMPOUNDS.

THP750 CAS: 17524-18-4 HR: 2
TRIAMMINENITRATOPLANTINUM(II) NITRATE

mf: $H_9N_5O_6Pt$ mw: 370.20

PROP: IDLH 4 mg/m³ (as Pt).

SAFETY PROFILE: Decomposes violently on heating. When heated to decomposition it emits toxic fumes of NO_x . See also PLATINUM COMPOUNDS and NITRATES.

THQ000 CAS: 58240-55-4 HR: 3
cis-TRIAMMINETRICHOLORORUTHENIUM(III)

mf: $Cl_3H_9N_3Ru$ mw: 258.54

TOXICITY DATA with REFERENCE:

ipr-mus LD50: 108 mg/kg TXAPA9 48,A112,79

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of NO_x , Ru, and Cl^- . See also RUTHENIUM COMPOUNDS, AMINES, and CHLORIDES.

THQ100 CAS: 41762-18-9 HR: 3
TRIAMMINETRINITRATATORHODIUM (III)

mf: $H_9N_6O_9Rh$ mw: 340.06

PROP: IDLH 100 mg/m³ (as Rh).

SYN: RHODIUM (III), TRIAMMINETRINITRATATO-

TOXICITY DATA with REFERENCE:

unr-mus LD50: 135 mg/kg RRCRB 48,12,1974

ACGIH TLV: TWA 1 mg(Rh)/m³. Not Classifiable as a human carcinogen.

SAFETY PROFILE: A poison by an unreported route. When heated to decomposition it emits toxic vapors of NO_x and Rh.

**THQ250 CAS: 13600-88-9 HR: 3
TRIAMMINETRINITROCOBALT(III)**mf: $\text{CoH}_9\text{N}_6\text{O}_6$ mw: 248.05[(H_3N) $_3\text{Co}(\text{NO}_2)_3$]**SAFETY PROFILE:** Explodes at 305°C or on impact.When heated to decomposition it emits toxic fumes of NO_x . See also COBALT COMPOUNDS.**THQ500 CAS: 7784-19-2 HR: 3
TRIAMMONIUM HEXAFLUOROALUMINATE**mf: $\text{AlF}_6 \cdot 3\text{H}_4\text{N}$ mw: 195.13**PROP:** White hygroscopic powder. Insol in EtOH.**SYNS:** AMMONIUM ALUMINUM FLUORIDE □ AMMONIUM CRYOLITE □ AMMONIUM FLUOALUMINATE □ AMMONIUM HEXAFLUOROALUMINATE □ TRIAMMONIUM ALUMINUM HEXAFLUORIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#00136

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 2.5 mg(F)/ m^3 **ACGIH TLV:** TWA 2 mg(Al)/ m^3 ; TWA 2.5 mg(F)/ m^3 ; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.**NIOSH REL:** TWA 2.5 mg(F)/ m^3 **SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits very toxic fumes of F^- , NO_x , and NH_3 . See also ALUMINUM COMPOUNDS and FLUORIDES.**THQ525 CAS: 26766-27-8 HR: D
TRIARIMOL**mf: $\text{C}_{17}\text{H}_{12}\text{Cl}_2\text{N}_2\text{O}$ mw: 331.21**SYNS:** α -(2,4-DICHLOROPHENYL)- α -PHENYL-5-PYRIMIDINEMETHANOL □ EL-273 □ 5-PYRIMIDINEMETHANOL, α -(2,4-DICHLOROPHENYL)- α -PHENYL-**TOXICITY DATA with REFERENCE:**

mic-smc 50 ppm RSTUDV 6,161,76

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**THQ550 CAS: 82097-50-5 HR: 2
TRIASULFURON**mf: $\text{C}_{14}\text{H}_{16}\text{ClN}_5\text{O}_5\text{S}$ mw: 401.86**SYNS:** AMBER □ BENZENESULFONAMIDE, 2-(2-CHLORO-ETHOXY)-N-((4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)AMINO) CARBONYL)- □ CGA 131036 □ 1-(2-(2-CHLORO-ETHOXY)PHENYLSULFONYL)-3-(4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)UREA (IUPAC) □ LOGRAN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>5050 mg/kg FMCHA2 -,C18,91

ihl-rat LC50:>2320 mg/ m^3 /4H FMCHA2 -,C18,91

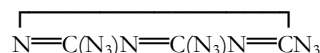
skn-rat LD50:>2 g/kg PEMNDP 9,837,91

skn-rbt LD50:>2 g/kg FMCHA2 -,C18,91

orl-qal LD50:>2150 mg/kg PEMNDP 9,837,91

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. When heated to decomposition it emits toxic vapors of SO_x , NO_x , and Cl^- .**THQ600 CAS: 52851-26-0 HR: 3****3,6,9-TRIAZATETRACYCLO[6.1.0.0^{2,4}.0^{5,7}]
NONANE**mf: $\text{C}_6\text{H}_9\text{N}_3$ mw: 123.16**SYN:** cis-BENZENE TRIIMINE**SAFETY PROFILE:** Explodes when heated to 200°C.When heated to decomposition it emits toxic fumes of NO_x .**THQ750 CAS: 15056-34-5 HR: D
1-TRIAZENE**mf: H_3N_3 mw: 45.06**SYN:** TRIAZENE**TOXICITY DATA with REFERENCE:**sln-oin-dmg 500 $\mu\text{mol/L}$ /3D-I 35WYAM -,63,76**SAFETY PROFILE:** Mutation data reported. Violent reaction with HNO_3 . When heated to decomposition it emits very toxic fumes of NO_x and NH_3 .**THQ900 CAS: 5433-44-3 HR: 2
p,p'-TRIAZENYLENEDIBENZENE-
SULFONAMIDE**mf: $\text{C}_{12}\text{H}_{13}\text{N}_5\text{O}_4\text{S}_2$ mw: 355.42**SYNS:** 1,3-DI(4-SULFAMOYLPHENYL)TRIAZENE □ DSPT**TOXICITY DATA with REFERENCE:**cyt-dmg-orl 2800 $\mu\text{mol/L}$ /3D-I CRNGDP 5,571,84

ipr-mus TDLo:66 mg/kg (9-11D post):TER CRNGDP 5,571,84

SAFETY PROFILE: An experimental teratogen. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and SO_x .**THR100 CAS: 19708-47-5 HR: 3
TRIAZIDOMETHYLUM HEXACHLORO-
ANTIMONATE**mf: $\text{CCl}_6\text{N}_9\text{Sb}$ mw: 472.54**CONSENSUS REPORTS:** Antimony and its compounds are on The Community Right-To-Know List.**SAFETY PROFILE:** Most antimony compounds are poisons. A shock- and heat-sensitive explosive. When heated to decomposition it emits toxic fumes of Cl^- , NO_x , and Sb. See also ANTIMONY COMPOUNDS.**THR250 CAS: 5637-83-2 HR: 3
2,4,6-TRIAZIDO-1,3,5-TRIAZINE**mf: C_3N_{12} mw: 204.12**SYNS:** CYANURIC TRIAZIDE □ CYANURIC TRIAZIDE (DOT)**DOT CLASSIFICATION:** Forbidden**SAFETY PROFILE:** Explodes violently on impact, shock or rapid heating to 170-180°C. When heated to decomposition it emits toxic fumes of NO_x . See also AZIDES.**THR500 CAS: 41191-04-2 HR: 3
TRIAZINATE**mf: $\text{C}_{19}\text{H}_{21}\text{ClN}_6\text{O}_2 \cdot \text{C}_2\text{H}_6\text{O}_3\text{S}$ mw: 511.05**SYNS:** BAF □ BAKER'S ANTIFOLANTE □ BAKER'S ANTIFOL SOLUBLE □ α -(2-CHLORO-4-(4,6-DIAMINO-2,2-DIMETHYL-S-

TRIAZINE-1(2H)-YL)PHENOXY)-N,N-DIMETHYL-m-TOLUAMIDE ETHANESULFONATE □ NSC-139105 □ TZT

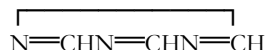
TOXICITY DATA with REFERENCE:

dni-hmn-leu 2 µg/L CNREA8 36,3659,76
ivn-hmn TDLo:8 mg/kg:CNS,BLD,SKN CNREA8 36,48,76
ivn-hmn TDLo:14 mg/kg:EYE,BLD,SKN CNREA8 36,48,76
ivn-hmn TDLo:24 mg/kg/5D:BLD CANCAR 38,690,76
ivn-hmn TDLo:20 mg/kg:GIT,SKN CANCAR 40,9,77
ipr-mus LD50:58,600 µg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects by intravenous route: somnolence, changes in bone marrow, dermatitis, visual field changes, leukopenia, thrombocytopenia, hypermotility, diarrhea, nausea or vomiting. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

THR525 CAS: 290-87-9 HR: 3 1,3,5-TRIAZINE

mf: C₃H₃N₃ mw: 81.08



PROP: Volatile solid. Mp: 75–80°, bp: 114°. Solubility of 1 g in 10 mL methanol.

SYNS: CYANIDINE □ sym-TRIAZINE □ 1,3,5-TRIAZINE (9CI) □ VEDITA 250

TOXICITY DATA with REFERENCE:

orl-qal LD50:237 mg/kg EESADV 6,149,82
orl-brd LD50:100 mg/kg AECTCV 12,355,83

SAFETY PROFILE: A poison by ingestion. Explosive reaction with nitric acid + trifluoroacetic anhydride. When heated to decomposition it emits toxic fumes of NO_x.

THR600 CAS: 7286-69-3 HR: 2 1,3,5-TRIAZINE-2,4-DIAMINE, 6-CHLORO-N-ETHYL-N'-(1-METHYLPROPYL)-(9CI)

mf: C₉H₁₆ClN₅ mw: 229.75

SYNS: 2-AETHYLAMINO-4-sec-BUTYLAMINO-6-CHLOR-1,3,5-TRIAZIN □ GS 13528 □ SEBUTHYLAZINE □ s-TRIAZINE, 2-(sec-BUTYLAMINO)-4-CHLORO-6-(ETHYLAMINO)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3 g/kg 85GYAZ -,111,71
orl-mus LD50:3300 mg/kg 85GYAZ -,111,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THR750 CAS: 461-89-2 HR: 3 s-TRIAZINE-3,5(2H,4H)-DIONE

mf: C₃H₃N₃O₂ mw: 113.09

PROP: Crystals from H₂O. Mp: 278–280° (sinters).

SYNS: 4(6)-AZAURACIL □ 6-AZAURACIL □ NSC-3425 □ USAF CB-30

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate GENE3 25,327,84
mmo-omi 80 mg/L ZBPIA9 130,1,75
orl-rat TDLo:39 g/kg/1Y-I-ETA,REP JNCIAM 41,985,68
ipr-mus LD50:200 mg/kg NTIS** AD277-689

scu-mus LD50:2076 mg/kg BCPA6 15,408,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

THR790 CAS: 68002-20-0 HR: 3 1,3,5-TRIAZINE-2,4,6-TRIAMINE, POLYMER WITH FORMALDEHYDE, METHYLATED

SYN: CYMEL 481 RESIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:12,300 µL/kg JACTDZ 1,158,92
skn-rbt LD:>10 mL/kg JACTDZ 1,158,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THR820 CAS: 4719-04-4 HR: 2 s-TRIAZINE-1,3,5(2H,4H,6H)-TRIETHANOL

mf: C₉H₂₁N₃O₃ mw: 219.33

SYNS: GRO TAN B □ GRO TAN BK □ HEXAHYDRO-1,3,5-TRIS(HYDROXYETHYL)TRIAZINE □ KALPUR TE □ KM 200 □ ONYXIDE 200 □ 1,3,5-TRIAZINE-1,3,5(2H,4H,6H)-TRIETHANOL (9CI)

TOXICITY DATA with REFERENCE:

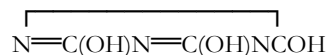
mmo-sat 33 µg/plate ENMUDM 8(Suppl 7),1,86
orl-rat LD50:763 mg/kg JACTDZ 1,204,92
skn-rat LD50:>2 g/kg JACTDZ 1,204,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THS000 CAS: 108-80-5 HR: 2 s-TRIAZINE-2,4,6-TRIOI

mf: C₃H₃N₃O₃ mw: 129.09



PROP: Off-white; odorless crystals. Mp: >360°, d: 2.500 @ 20°/4°, sublimes @ 380°. Sol in hot EtOH; mod sol in H₂O.

SYNS: CYANURIC ACID □ ISOCYANURIC ACID □ KYSELINA KYANUROVA (CZECH) □ PSEUDOCYANURIC ACID □ sym-TRIAZINETRIOL □ s-2,4,6-TRIAZINETRIOL □ s-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE □ TRICYANIC ACID □ TRIHYDROXYCYANIDINE □ 2,4,6-TRIHYDROXY-1,3,5-TRIAZINE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,152,72
eye-rbt 20 mg/24H rms MLD MONS** -,72
orl-rat LD50:7700 mg/kg ZKMAAX 25,345,85
orl-mus LD50:3400 mg/kg ZKMAAX 25,345,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. An eye irritant. Irritating to abraded skin. Violent reaction with ethanol. Reacts with chlorine to form a spontaneously explosive product. When heated to decomposition it emits very toxic fumes of NO_x and CN^- . Used to stabilize chlorine solutions used in swimming pools.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Cyanuric Acid 5030.

THS050 CAS: 51580-86-0 HR: 3
1,3,5-TRIAZINE-2,4,6-(1H,3H,5H)-TRIONE, 1,3-DICHLORO-, SODIUM SALT, DIHYDRATE

mf: $\text{C}_3\text{HCl}_2\text{N}_3\text{O}_3 \cdot \text{Na} \cdot 2\text{H}_2\text{O}$ mw: 257.00

SYN: SODIUM DICHLOROISOCYANURATE DIHYDRATE

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

SAFETY PROFILE: Probably a poison. When heated to decomposition it emits toxic vapors of NaO , NO_x , and Cl^- .

THS100 CAS: 1025-15-6 HR: D
1,3,5-TRIAZINE-2,4,6-(1H,3H,5H)-TRIONE, 1,3,5-TRI-2-PROPENYL-(9CI)

mf: $\text{C}_{12}\text{H}_{15}\text{N}_3\text{O}_3$ mw: 249.30

SYNS: DIAK 7 \square ISOCYANURIC ACID TRIALLYL ESTER \square TAIC \square TRIALLYL ISOCYANURATE \square 1,3,5-TRIALYLISO-CYANURATE \square 1,3,5-TRIALYLISOCYANURIC ACID \square s-TRIAZINE-2,4,6-(1H,3H,5H)-TRIONE, TRIALLYL- \square s-TRIAZINE-2,4,6-(1H,3H,5H)-TRIONE, 1,3,5-TRIALYL-

TOXICITY DATA with REFERENCE:

cyt-ham:lng 1 g/L MUREAV 241,175,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THS250 CAS: 638-16-4 HR: 3
s-TRIAZINE-2,4,6-TRITHIOL

mf: $\text{C}_3\text{H}_3\text{N}_3\text{S}_3$ mw: 177.27

SYNS: 1,3,5-TRIAZINE-2,4,6-TRIMERCAPTAN \square 2,4,6-TRIAZINETRITHIOL \square 1,3,5-TRIAZINE-2,4,6-(1H,3H,5H)-TRITHIONE \square 1,3,5-TRIMERCAPTOTRIAZINE \square 2,4,6-TRIMERCAPTO-S-TRIAZINE \square TRITHIOCYANURIC ACID \square USAF TH-3

TOXICITY DATA with REFERENCE:

orl-rat LD50:9500 mg/kg FCTOD7 21,495,83

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

ivn-mus LD50:180 mg/kg CSLNX* NX#03037

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x . See also MERCAPTANS.

THS500 CAS: 13046-06-5 HR: 1
(s-TRIAZIN-2,4,6-TRIYLTRIAMINO)TRISMETH-ANESULFONIC ACID TRISODIUM SALT

mf: $\text{C}_6\text{H}_9\text{N}_6\text{O}_9\text{S}_3 \cdot 3\text{Na}$ mw: 474.36

SYNS: MELAMIN-N,N,N"-TRIMETHYLSULFONSAURES NATRIUM (GERMAN) \square s-TRIAZIN-2,4,6-TRIYLTRIAMINO-METHANESULFONIC ACID TRISODIUM SALT

TOXICITY DATA with REFERENCE:

ipr-rat LD50:7200 mg/kg ARPMAS 306,274,73

ipr-mus LD50:9660 mg/kg ARZNAD 16,734,66

SAFETY PROFILE: Mildly toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of SO_x , Na_2O , and NO_x .

THS800 CAS: 28911-01-5 HR: 2
TRIAZOLAM

mf: $\text{C}_{17}\text{H}_{12}\text{Cl}_2\text{N}_4$ mw: 343.23

PROP: Tan crystals from 2-propanol. Mp: 233–235°.

SYNS: 8-CHLORO-6-(o-CHLOROPHENYL)-1-METHYL-4H-s-TRIAZOLO(4,3-a)(1,4)BENZODIAZEPINE \square 8-CHLORO-6-(2-CHLOROPHENYL)-1-METHYL-4H-(1,2,4)TRIAZOLO(4,3-a)(1,4)BENZODIAZEPINE \square HALCION \square NOVIDORM \square U-33,030

TOXICITY DATA with REFERENCE:

orl-rat TDLo:810 mg/kg (female 17-22D post):REP
 IYKEDH 10,52,79

orl-man TDLo:100 $\mu\text{g}/\text{kg}$ JCLPDE 47,50,86

orl-hmn TDLo:7 $\mu\text{g}/\text{kg}$:BRN,CNS JCPCBR 14,192,74

orl-man TDLo:107 $\mu\text{g}/\text{kg}$ AIMDAP 145,663,85

ipr-mus LD50:1625 mg/kg IYKEDH 14,484,83

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. Human systemic effects by ingestion: changes in brain EEG, distorted perceptions, and sleep. Experimental reproductive effects. Used as an hypnotic agent. Note: This is a controlled substance (depressant) listed in the U.S. Code of Federal Regulations, Title 21 Part 1308.14 (1985). When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

THS850 CAS: 27070-49-1 HR: 3
1,2,3-TRIAZOLE

mf: $\text{C}_2\text{H}_3\text{N}_3$ mw: 69.07

PROP: Hygroscopic crystals or liquid. Bp: 203–210°, mp: 23°, d: 1.1861, refr index: 1.4975. Sol in water, ether, or acetone.

SAFETY PROFILE: The vapor explodes if heated above 200°C. When heated to decomposition it emits toxic fumes of NO_x .

THS822 CAS: 37306-44-8 HR: 2
TRIAZOLE

mf: $\text{C}_2\text{H}_3\text{N}_3$ mw: 69.08

TOXICITY DATA with REFERENCE:

orl-rat TDLo:3986 mg/kg/2Y-I:CAR NTIS**
 OTS0555771

ipr-mus LD50:1420 mg/kg PBPHAW 1,542,1965

ivn-mus LD50:7500 $\mu\text{g}/\text{kg}$ JPETAB 84,12,1945

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by intraperitoneal route. Questionable carcinogen with experimental carcinogenic data reported. When heated to decomposition it emits toxic vapors of NO_x .

THS855 CAS: 288-88-0 HR: 2
s-TRIAZOLE

mf: C₂H₃N₃ mw: 69.08**SYNS:** TA □ 1H-1,2,4-TRIAZOLE (9CI)**TOXICITY DATA with REFERENCE:**

skn-rbt 25% GISAAA 51(11),65,86

eye-rbt 12% GISAAA 51(11),65,86

orl-rat LD50:1750 mg/kg GISAAA 51(11),65,86

orl-mus LD50:1350 mg/kg GISAAA 51(11),65,86

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 vapors of NO_x.**THS860 CAS: 85509-19-9 HR: 2**
1H-1,2,4-TRIAZOLE, 1-((BIS(4-FLUOROPHENYL)METHYLSILYL)METHYL)-mf: C₁₆H₁₅F₂N₃Si mw: 315.43**SYNS:** 1-((BIS(4-FLUOROPHENYL)METHYLSILYL)METHYL)-1H-1,2,4-TRIAZOLE □ DPX-H 6573 □ FLUSILAZOL □ FLUSILAZOLE □ FLUZILAZOL □ NUSTAR □ OLYMP □ PUNCH**TOXICITY DATA with REFERENCE:**

orl-rat LD50:674 mg/kg PBCDDQ -,413,84

skn-rbt LD50:>2 g/kg PBCDDQ -,413,84

ihl-unr LC50:>5 g/m³ FMCHA2 -,C142,91**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic vapors of NO_x, Si, and F⁻.**THS900 CAS: 119446-68-3 HR: 3**
1H-1,2,4-TRIAZOLE, 1-((2-(2-CHLORO-4-(4-CHLOROPHENOXY)PHENYL)-4-METHYL-1,3-DIOXOLAN-2-YL)METHYL)-mf: C₁₉H₁₇Cl₂N₃O₃ mw: 406.29**SYNS:** CGA 169374 □ DIFENOCONAZOLE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1453 mg/kg PEMNDP 9,277,91

ihl-rat LC50:>45 mg/m³/4H PEMNDP 9,277,91

skn-rbt LD50:>2010 mg/kg PEMNDP 9,277,91

orl-dck LD50:>2150 mg/kg PEMNDP 9,277,91

SAFETY PROFILE: A poison by inhalation route. Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**THS920 CAS: 83657-18-5 HR: 2**
1H-1,2,4-TRIAZOLE-1-ETHANOL, β-((2,4-DICHLOROPHENYL)METHYLENE)-α-(1,1-DIMETHYLETHYL)-, (R-(E))-mf: C₁₅H₁₇Cl₂N₃O mw: 326.25**SYNS:** DINICONAZOLE M □ (R)-S 3308**TOXICITY DATA with REFERENCE:**

orl-rat LD50:474 mg/kg PEMNDP 9,301,91

skn-rat LD50:>5 g/kg PEMNDP 9,301,91

orl-qal LD50:1490 mg/kg PEMNDP 9,301,91

orl-dck LD50:>2 g/kg PEMNDP 9,301,91

SAFETY PROFILE: Moderately toxic by ingestion and skin contact routes. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**THT000 CAS: 3179-31-5 HR: 3****1H-1,2,4-TRIAZOLE-3-THIOL**mf: C₂H₃N₃S mw: 101.14**PROP:** Crystalline. Mp: 214–216°. Solubility of 1 g in 20 mL water.**SYN:** 3-MERCAPTO-1H-1,2,4-TRIAZOLE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#03630

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also MERCAPTANS.**THT250 HR: 3**
1,2,4-TRIAZOLO[4,3-a]PYRIDINE-SILVER NITRATEmf: C₆H₅N₃•AgNO₃ mw: 289.00**PROP:** IDLH 10 mg/m³ (as Ag).**CONSENSUS REPORTS:** Silver and its compounds are on The Community Right-To-Know List.**SAFETY PROFILE:** Explodes when heated to 228°C. When heated to decomposition it emits toxic fumes of NO_x. See also SILVER NITRATE.**THT275 CAS: 275-02-5 HR: 3**
(1,2,4)TRIAZOLO(1,5-a)PYRIMIDINEmf: C₅H₄N₄ mw: 120.11**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:40 mg/kg FRMCE8 56,939,2001

orl-rat TDLo:100 mg/kg FRMCE8 56,939,2001

SAFETY PROFILE: A poison by route. When heated to decomposition it emits toxic vapors of NO_x.**THT280 CAS: 274-98-6 HR: 3**
(1,2,4)TRIAZOLO(4,3-a)PYRIMIDINEmf: C₅H₄N₄ mw: 120.11**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:20 mg/kg FRMCE8 56,939,2001

orl-rat TDLo:100 mg/kg FRMCE8 56,939,2001

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**THT350 CAS: 1468-26-4 HR: 3**
1H-v-TRIAZOLO(4,5-d)PYRIMIDINE-5,7(4H,6H)-DIONEmf: C₄H₃N₃O₂ mw: 153.12**PROP:** Crystals from H₂O. Mp: >320°.**SYNS:** 8-AZAXANTHINE □ 2,6-DIOXY-8-AZAPURINE □ NSC-756 □ v-TRIAZOLO(4,5-d)PYRIMIDINE-5,7-DIOL □ USAF CB-26**TOXICITY DATA with REFERENCE:**

mmo-esc 4 g/L/3H CRSUBM 3,69,55

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

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**THT400 CAS: 235-06-3 HR: 3**
(1,2,4)TRIAZOLO(4,3-a)QUINOLINEmf: C₁₀H₇N₃ mw: 169.19**TOXICITY DATA with REFERENCE:**

3510 THT500 (1H-1,2,4-TRIAZOLYL-1-YL)TRICYCLOHEXYLSTANNANE

orl-mus TDLo:40 mg/kg FRMCE8 56,939,2001

orl-rat TDLo:100 mg/kg FRMCE8 56,939,2001

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

THT500 CAS: 41083-11-8 HR: 3 (1H-1,2,4-TRIAZOLYL-1-YL)TRICYCLOHEXYLSTANNANE

mf: C₂₀H₃₅N₃Sn mw: 436.27

SYNS: AZOCYCLOTIN □ BAY BUE 1452 □ PEROPAL □ (1H-1,2,4-TRIAZOLYL)TRICYCLOHEXYLSTANNANE □ 1-(TRICYCLOHEXYLSTANNYL)-1H-1,2,4-TRIAZOLE

TOXICITY DATA with REFERENCE:

orl-rat LD50:99 mg/kg FMCHA2 -,C182,83

skn-rat LD50:1000 mg/kg FMCHA2 -,C182,83

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. Moderately toxic by skin contact. When heated to decomposition it emits toxic fumes of NO_x. See also TIN COMPOUNDS.

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

THT750 CAS: 24017-47-8 HR: 3 TRIAZOPHOS

mf: C₁₂H₁₆N₃O₃PS mw: 313.34

PROP: Light-brown or yellowish oil. D: 1.25 @ 20°/4°, mp: 5°. Sol most org solvs; very spar in sol H₂O.

SYNS: O,O-DIETHYL O-(1-PHENYL-1H-1,2,4-TRIAZOL-3-YL)PHOSPHOROTHIOATE □ HOE 2960 OJ □ HOSTATHION □ 1-PHENYL-3-(O,O-DIETHYL-THIONOPHOSPHORYL)-1,2,4-TRIAZOLE □ 1-PHENYL-1,2,4-TRIAZOLYL-3-(O,O-DIETHYLTHIONOPHOSPHATE) □ TRIAZOFOSZ (HUNGARIAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:64 mg/kg FMCHA2 -,D164,80

ihl-rat LC50:280 mg/m³/4H EGESAQ 24,173,80

skn-rat LD50:1100 mg/kg GUCHAZ 6,508,73

ipr-rat LD50:107 mg/kg GUCHAZ 6,508,73

orl-dog LD50:320 mg/kg 28ZEAL 5,227,76

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion, inhalation and intraperitoneal routes. Moderately toxic by skin contact. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x. A pesticide.

THT800 CAS: 101200-48-0 HR: 2 TRIBENURON METHYL

mf: C₁₅H₁₇N₃O₆S mw: 395.43

SYNS: BENZOIC ACID, 2-((((4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)METHYLAMINO)CARBONYL)AMINO)SULFONYL)-, METHYL ESTER □ DPX-L 5300 □ EXPRESS □ EXPRESS 75 DF □ L 5300 □ MATRIX □ SULFMETHMETON-METHYL

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FMCHA2 -,C132,91

skn-rbt LD50:>2 g/kg FMCHA2 -,C132,91

orl-qal LD50:>2250 mg/kg PEMNDP 9,840,91

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

THU000 CAS: 5888-61-9 HR: 3 TRIBENZYLARSINE

mf: C₂₁H₂₁As mw: 348.39

PROP: Long colorless needles. Mp: 104°. Readily sol in hot EtOH and Et₂O; sparingly sol in cold EtOH.

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

SAFETY PROFILE: Arsenic compounds are poisons. Slow oxidation in air becomes violent through autocatalysis. When heated to decomposition it emits fumes of As. See also ARSENIC.

THU250 CAS: 73926-83-7 HR: 3 TRIBENZYLSULFONIUM IODIDE MERCURIC IODIDE

PROP: IDLH 10 mg/m³ (as Hg).

SYN: TRIBENZYLSULFONIUM IODIDE, compounded with MERCURY IODIDE (1:1)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:32 mg/kg CSLNX* NX#01717

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

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of Hg, I⁻, and SO_x. See also MERCURY COMPOUNDS and IODIDES.

THU275 CAS: 15538-67-7 HR: 3 TRIBORON PENTAFLUORIDE

mf: B₃F₅ mw: 127.42

PROP: Unstable in gas phase.

SAFETY PROFILE: Explosive reaction with air, water, tetrafluoroethylene. When heated to decomposition it emits toxic fumes of F⁻. See also BORON COMPOUNDS and FLUORIDES.

THU500 CAS: 507-42-6 HR: 3 TRIBROMOALDEHYDE HYDRATE

mf: C₂H₃Br₃O₂ mw: 298.78

PROP: Deliquescent crystals. D: 2.566 @ 40°/4°, mp: 53.5°. Sol in water, chloroform, alc, ether, glycerol cold.

SYN: BROMAL HYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:40 mg/kg JPETAB 63,453,38

ipr-rat LDLo:40 mg/kg JPETAB 63,453,38

ivn-rbt LDLo:30 mg/kg JPETAB 63,453,38

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

THU750 CAS: 147-82-0 HR: 2 2,4,6-TRIBROMOANILINE

mf: C₆H₄Br₃N mw: 329.84

PROP: Needles from C₆H₆ or EtOH. D: 2.35, mp: 120–122°, bp: 300°. Sltly sol in cold alc.

SYNS: sym-TRIBROMOANILINE □ USAF DO-43

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 very toxic fumes of Br⁻ and NO_x. See also BROMIDES and ANILINE.

THV000 CAS: 1329-86-8 HR: 3
TRIBROMOETHANOL

mf: C₂H₃Br₄O mw: 282.78

PROP: Crystals; ethereal odor, aromatic taste. Bp: 92° @ 10 mm, mp: 79–82°, decomp @ 70°. Sltly water sol; sol in alc, org solvs.

SYNS: AVERTIN □ BROMETHOL □ ETHOBROM □ NARCOLAN □ NARKOLAN □ TRIBROMETHANOL □ TRIBROMOETHYL ALCOHOL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:300 mg/kg CRAAA7 17,258,38
ipr-rat LDLo:400 mg/kg JPETAB 63,453,38
orl-mus LDLo:500 mg/kg CRAAA7 17,258,38
ipr-mus LD50:546 mg/kg JPETAB 81,72,44
ivn-mus LD50:279 mg/kg JPETAB 81,72,44
orl-cat LDLo:150 mg/kg MEIEDD 10,1374,83
ivn-rbt LDLo:200 mg/kg JPETAB 63,453,38
rec-rbt LDLo:400 mg/kg CRAAA7 17,258,38
orl-qal LD50:422 mg/kg AECTCV 12,355,83
orl-bwd LD50:316 mg/kg AECTCV 12,355,83

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and rectal routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Br⁻. An anesthetic drug.

THV100 CAS: 598-16-3 HR: 2
1,1,2-TRIBROMOETHYLENE

mf: C₂HBr₃ mw: 264.76

SYNS: ETHENE, TRIBROMO- □ ETHYLENE, TRIBROMO- □ TRIBROMOETHENE □ TRIBROMOETHYLENE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1100 mg/kg 85JCAE -,123,86
ihl-mus LC50:3900 mg/m³/2H 85JCAE -,123,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

THV250 CAS: 724-31-2 HR: 2
1,3,7-TRIBROMO-2-FLUORENAMINE

mf: C₁₃H₈Br₃N mw: 417.95

SYN: 1,3,7-TRIBROMOFLUOREN-2-AMINE

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

THV450 CAS: 2034-22-2 HR: 3
2,4,5-TRIBROMOIMIDAZOLE

mf: C₃HBr₃N₂ mw: 304.79

PROP: Silky needles from AcOH. Mp: 221°.

TOXICITY DATA with REFERENCE:

orl-rat LD50:34 mg/kg ARTODN 56,109,84
ivn-rat LD50:15 mg/kg ARTODN 56,109,84
ivn-mus LD50:18 mg/kg CSLNX* NX#05092

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

THV500 CAS: 73941-35-2 HR: 3
2,4,5-TRIBROMOIMIDAZOLE CADMIUM SALT (2:1)

mf: C₆Br₆N₄•Cd mw: 719.96

SYN: CADMIUM salt of 2,4-5-TRIBROMOIMIDAZOLE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#06532

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

OSHA PEL: TWA 5 µg(Cd)/m³

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

NIOSH REL: (Cadmium) Reduce to lowest feasible level

SAFETY PROFILE: Confirmed human carcinogen. Poison by intravenous route. When heated to decomposition it emits very toxic fumes of Br⁻, Cd, and NO_x. See also BROMIDES and CADMIUM COMPOUNDS.

THV750 CAS: 118-79-6 HR: 2
2,4,6-TRIBROMOPHENOL

mf: C₆H₃Br₃O mw: 330.82

PROP: Long crystals or needles from EtOH; prisms from C₆H₆. D: 2.55, mp: 87–89°, bp: 244°, sublimes @ 95°. Sol in 14,000 parts water @ 15°, alc, chloroform, ether, glycerols, alkalis, and ligroin.

SYNS: BROMOL □ TRIBROMOPHENOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 g/kg 85JCAE -,524,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Slightly toxic by ingestion. A powerful irritant to skin, eyes, and mucous membranes. May be absorbed dermally. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES and CHLOROPHENOLS.

THV800 CAS: 1322-38-9 HR: 3
TRIBROMOSALICYLANILIDE

mf: C₁₃H₈Br₃NO₂ mw: 449.95

SYN: SALICYLANILIDE, TRIBROMO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:141 mg/kg HAZL** -,62
scu-rat LD50:8870 mg/kg 26UZAB 6,245,68/70
skn-rbt LD50:>3160 mg/kg HAZL** -,62

SAFETY PROFILE: A poison by ingestion. Low toxicity by skin contact and subcutaneous routes. When heated to decomposition it emits toxic vapors of NO_x and Br⁻.

THW750 CAS: 87-10-5 HR: 2**3,4',5-TRIBROMOSALICYLANILIDE**mf: $C_{13}H_8Br_3NO_2$ mw: 449.95**PROP:** Crystals. Mp: 227–228°. Sol in hot Me_2CO .**SYNS:** ASC-4 □ BENZAMIDE, 3,5-DIBROMO-N-(4-BROMOPHENYL)-2-HYDROXY- □ 3,5-DIBROMO-N-(4-BROMOPHENYL)-2-HYDROXYBENZAMIDE □ ENT 25,516 □ ET-394 □ NSC-20526 □ POLYBROMINATED SALICYLANILIDE □ STECKER ASC-4 □ TBS □ TBS 95 □ TEMASEPT □ TEMASEPT II □ TRIBROMSALAN □ TUASOL 100**TOXICITY DATA with REFERENCE:**

orl-rat LD50:410 mg/kg IMSUAI 39,56,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Br^- and NO_x . See also BROMIDES.**THX000 CAS: 7789-57-3 HR: 3****TRIBROMOSILANE**mf: Br_3HSi mw: 268.83**PROP:** Mobile, colorless liquid. D: 2.7 @ 17°/4°, mp: –73.5°, bp: 112°, vap press: 8.8 mm @ 0°. Sol in chlorinated hydrocarbons; decomp in H_2O , NH_3 .**SYN:** SILICOBROMOFORM**SAFETY PROFILE:** Readily hydrolyzes to liberate hydrogen bromide which is a powerful irritant. Spontaneously flammable in air. When heated to decomposition it emits toxic fumes of Br^- . See also HYDROBROMIC ACID.**THX100 CAS: 77-90-7 HR: 1****TRIBUTYL ACETYL CITRATE**mf: $C_{20}H_{34}O_8$ mw: 402.54**SYNS:** ACETYL BUTYL CITRATE □ ACETYLCITRIC ACID, TRIBUTYL ESTER □ ACETYL TRIBUTYL CITRATE □ BLO-TROL □ CITRIC ACID, TRIBUTYL ESTER, ACETATE □ CITROFLEX A □ CITROFLEX A 4 □ 1,2,3-PROPANETRI-CARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER □ TRIBUTYL O-ACETYLCITRATE □ TRIBUTYL 2-(ACETYLOXY)-1,2,3-PROPANETRICARBOXYLATE □ TRIBUTYL CITRATE ACETATE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:>4 g/kg JPMSAE 53,774,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion, skin contact, and intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**THX250 CAS: 102-82-9 HR: 3****TRIBUTYLAMINE****DOT:** UN 2542mf: $C_{12}H_{27}N$ mw: 185.40**PROP:** A colorless, hygroscopic liquid with characteristic odor. Mp: –70°, bp: 216–217°, flash p: 187°F (OC), d: 0.78–0.79, vap d: 6.38. Sparingly sol in water; sol in alc, ether.**SYNS:** TRI-n-BUTYLAMINE □ TRIS-N-BUTYLAMINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:540 mg/kg TXAPA9 28,313,74

ihl-rat LCLo:75 ppm/4H TXAPA9 28,313,74
scu-rat LDLo:380 mg/kg JPETAB 20,435,23
orl-mus LD50:114 mg/kg GISAAA 42(12),36,77
orl-rbt LD50:615 mg/kg GISAAA 42(12),36,77
skn-rbt LD50:250 mg/kg TXAPA9 28,313,74
orl-gpg LD50:350 mg/kg GISAAA 42(12),36,77
orl-uns LD50:888 mg/kg GTPZAB 28(11),50,84
ipr-uns LD50:107 mg/kg GTPZAB 28(11),50,84**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Poison by ingestion, inhalation, skin contact, and subcutaneous routes. A central nervous system stimulant, irritant, and sensitizer. A corrosive irritant to skin, eyes, and mucous membranes. Flammable when exposed to heat, flame, or oxidizers. Can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.**THX500 CAS: 122-56-5 HR: 3****TRI-n-BUTYL BORANE**mf: $C_{12}H_{27}B$ mw: 182.20**PROP:** Colorless pyrophoric liquid. Mp: 34°, bp: 170° @ 222 mm, d: 0.747 @ 25°, vap press: 1 mm @ 20°, flash p: –32°F. Insol in water; sol in most org solvs.**SYNS:** BORIC ACID, TRIBUTYL ESTER □ TBB □ TRIBUTYLBORINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1125 mg/kg NKOGAV 22,533,73

ivn-rat LD50:104 mg/kg NKOGAV 22,533,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion. A very dangerous fire hazard when exposed to heat or flame; can ignite spontaneously. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORANES.**THX750 CAS: 688-74-4 HR: 3****TRI-n-BUTYL BORATE**mf: $C_{12}H_{27}BO_3$ mw: 230.20**PROP:** Colorless, mobile, moisture-sensitive liquid; odor like n-butanol. Bp: 230°, fp: <–70°, flash p: 200°F (COC), d: 0.847 @ 28°, vap d: 7.95.**SYNS:** BORESTER 2 □ BORIC ACID, TRI-sec-BUTYL ESTER □ BUTYL BORATE □ n-BUTYL BORATE □ TRIBUTOXYBORANE □ TRI-n-BUTOXYBORANE □ TRIBUTYL BORATE**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MOD 14KTAK -,706,64

orl-mus LD50:2150 mg/kg 14KTAK -,693,64

ipr-mus LDLo:500 mg/kg CBCCT* 5,59,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. An eye irritant. Flammable when exposed to heat, flame, or oxidizers. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition or on contact with acid or acid fumes it can emit toxic fumes; on contact with oxidizing materials it can react vigorously. See also BORANES and BORON COMPOUNDS.

THY000 CAS: 22238-17-1 HR: 2**TRI-sec-BUTYL BORATE**mf: $C_{12}H_{27}BO_3$ mw: 230.20**PROP:** Colorless, moisture-sensitive liquid; odor of sec-butanol. Bp: 184–192°, flash p: 165°F (COC), d: 0.829 @ 24°.**SYN:** BORIC ACID, TRI-sec-BUTYL ESTER**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MLD 14KTAK -,706,64

orl-mus LD50:2100 mg/kg 14KTAK -,706,64

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS and sec-BUTYL ALCOHOL.**THY100 CAS: 77-94-1 HR: 2****TRI-n-BUTYL CITRATE**mf: $C_{18}H_{32}O_7$ mw: 360.50**SYNS:** BUTYL CITRATE □ CITRIC ACID, TRIBUTYL ESTER □ CITROFLEX 4 □ NSC-8491 □ 1,2,3-PROPANETRICARBOXYLIC ACID, 2-HYDROXY-, TRIBUTYL ESTER □ TRIBUTYL CITRATE □ TRIBUTYL 2-HYDROXY-1,2,3-PROPANETRICARBOXYLATE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:2900 mg/kg JPMSAE 53,774,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**THY200 CAS: 3278-43-1 HR: 2****N,N,N-TRIBUTYL-2,4-DICHLOROBENZENE-METHANAMINIUM CHLORIDE**mf: $C_{19}H_{32}Cl_2N^+Cl^-$ mw: 380.87**SYNS:** AMMONIUM, TRIBUTYL(2,4-DICHLOROBENZYL)-, CHLORIDE □ BENZENEMETHANAMINIUM, N,N,N-TRIBUTYL-2,4-DICHLORO-, CHLORIDE □ PHOSFON S □ PHOSPHONIUM S □ PHOSFON S □ TRIBUTYL(2,4-DICHLOROBENZYL)-AMMONIUM CHLORIDE**TOXICITY DATA with REFERENCE:**eye-rbt 100 μ L/24H SEV NTIS** OTS0571933**SAFETY PROFILE:** A severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**THY500 CAS: 115-78-6 HR: 3****TRIBUTYL(2,4-DICHLOROBENZYL)PHOSPHONIUM CHLORIDE**mf: $C_{19}H_{32}Cl_2P^+Cl^-$ mw: 397.83**PROP:** Crystals. Mp: 114–120°. Readily sol in water, acetone, ethanol.**SYNS:** CBBP □ CHLORFONIUM □ CHLORPHONIUM CHLORIDE □ 2,4-DICHLOROBENZYLTRIBUTYLPHOSPHONIUM CHLORIDE □ FOSFON D □ PHOSFON D □ PHOSFON D □ PHOSPHONE D**TOXICITY DATA with REFERENCE:**

orl-rat LD50:178 mg/kg PCOC** -,899,66

orl-mus LDLo:470 mg/kg AECTCV 14,111,85

ipr-mus LDLo:19 mg/kg TXAPA9 23,288,72

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Used as a plant growth regulant. When heated to decomposition it emits very toxic fumes of Cl^- and PO_x .**THY750 CAS: 681-99-2 HR: 3****TRIBUTYLISOCYANATOSTANNANE****DOT:** UN 2207/UN 2206/UN 3080/UN 2478mf: $C_{13}H_{27}NOSn$ mw: 332.10**SYNS:** STANNANE, (ISOCYANATO)TRIBUTYL- □ STANNANE, TRIBUTYLISOCYANATO- □ TIN, TRIBUTYL-, ISOTHIOCYANATE □ TRIBUTYLSTANNYL ISOCYANATE □ TRIBUTYL TIN ISOCYANATE □ TRI-n-BUTYL TIN ISOCYANATE □ TRIBUTYL TIN ISOTHIOCYANATE**TOXICITY DATA with REFERENCE:**ivn-mus LD50:6300 μ g/kg CSLNX* NX#03473**OSHA PEL:** TWA 0.1 mg(Sn)/ m^3 (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/ m^3 ; STEL 0.2 mg(Sn)/ m^3 (skin).**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/ m^3 **DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD (UN 2207); Class: 6.1; Label: Poison (UN 2206); Class: 6.1; Label: Poison, Flammable Liquid (UN 3080); Class: 3; Label: Flammable Liquid, Poison (UN 2478).**SAFETY PROFILE:** A poison. Flammable liquid. When heated to decomposition it emits toxic fumes of NO_x . See also TIN COMPOUNDS and ISOCYANATES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**THY850 CAS: 2587-82-8 HR: 3****TRIBUTYLLEAD ACETATE**mf: $C_{14}H_{30}O_2Pb$ mw: 437.63**SYNS:** ACETOXYTRIBUTYLPLUMBANE □ TRI-n-BUTYLPLUMBYL ACETATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2 mg/kg JJATDK 1,247,81

ipr-rat LD50:13 mg/kg APFRAD 24,17,66

ipr-mus LD50:23 mg/kg APFRAD 24,17,66

ivn-mus LD50:8900 μ g/kg CSLNX* NX#04713**CONSENSUS REPORTS:** Lead and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.**THZ000 CAS: 2155-70-6 HR: 3****TRIBUTYL(METHACRYLOXY)STANNANE**mf: $C_{16}H_{32}O_2Sn$ mw: 375.17**SYNS:** TRIBUTYL(METHACRYLOYLOXY)STANNANE □ TRIBUTYL((2-METHYL-1-OXO-2-PROPENYL)OXY)STANNANE □ TRIBUTYLSTANNYL METHACRYLATE □ TRIBUTYL TIN METHACRYLATE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#02761

orl-rat LD50:160 mg/kg UBZHAZ 50,695,78

orl-mus LD50:160 mg/kg UBZHAZ 50,695,78

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 intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TIA000 CAS: 3090-35-5 HR: 3

TRIBUTYL(OLEOYLOXY)STANNANE

mf: C₃₀H₆₀O₂Sn mw: 571.59

SYNS: 9-DECAOCTENOIC ACID, TRIBUTYLSTANNYL ESTER

□ ENT 27,261 □ TRIBUTYL(OLEOYLOXY)TIN □ TRI-n-BUTYLtin OLEATE □ TRI-n-BUTYL-ZINN OLEAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:195 mg/kg ARZNAD 19,934,69

ivn-mus LD50:18 mg/kg CSLNX* NX#03810

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 and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ESTERS.

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

TIA100 CAS: 732-26-3 HR: 2

2,4,6-TRI-tert-BUTYLPHENOL

mf: C₁₈H₃₀O mw: 262.48

SYNS: ALKOFEN B □ P23 □ PHENOL, 2,4,6-TRIS(1,1-DIMETHYLETHYL)- □ PHENOL, 2,4,6-TRI-tert-BUTYL-(6Cl,7Cl,8Cl) □ TM02

TOXICITY DATA with REFERENCE:

orl-rat LD50:1670 mg/kg SCIEAS 36(1-4),10,89

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TIA130 CAS: 28777-70-0 HR: 1

TRI(tert-BUTYLPHENYL) PHOSPHATE

mf: C₃₀H₃₉O₄P mw: 494.66

SYNS: MIL-H-19457C □ PHENOL, (1,1-DIMETHYLETHYL)-, PHOSPHATE (3:1) □ PHOSPHORIC ACID, TRIS(tert-BUTYLPHENYL) ESTER

TOXICITY DATA with REFERENCE:

ipr-rat LD50:11,200 mg/kg NTIS** AD-A172-172

SAFETY PROFILE: Low toxicity by intraperitoneal route. When heated to decomposition it emits toxic vapors of PO_x.

TIA250 CAS: 126-73-8 HR: 3

TRIBUTYL PHOSPHATE

mf: C₁₂H₂₇O₄P mw: 266.36

PROP: Colorless odorless liquid. Bp: 289° (decomp), mp: <-80°, flash p: 295°F (COC), d: 0.982 @ 20°, vap d: 9.20. Sol in water; misc in alc and ether. IDLH 30 ppm.

SYNS: CELLUPHOS 4 □ TBP □ TRIBUTYLPHOSFATO (ITALIAN) □ TRIBUTYLE (PHOSPHATE de) (FRENCH) □

TRIBUTYLPHOSFAAT (DUTCH) □ TRIBUTYLPHOSPHAT (GERMAN) □ TRI-n-BUTYL PHOSPHATE

TOXICITY DATA with REFERENCE:

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

eye-rbt 97 mg AJOPAA 29,1363,46

orl-rat LD50:1390 mg/kg JTSCDR 5,270,80

ipr-rat LD50:251 mg/kg GTPZAB 15(8),30,71

ivn-rat LDLo:100 mg/kg NATUAS 179,154,57

orl-mus LD50:1189 mg/kg GTPZAB 15(8),30,71

ihl-mus LC50:1300 mg/m³ GTPZAB 15(8),30,71

ipr-mus LD50:159 mg/kg GTPZAB 15(8),30,71

scu-mus LDLo:3 g/kg EDWU** -,37

ihl-cat LDLo:24,510 mg/m³/5H EDWU** -,37

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.2 ppm

ACGIH TLV: TWA 0.2 ppm

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion, inhalation, and subcutaneous routes. Experimental reproductive effects. A skin, eye, and mucous membrane irritant. Combustible when exposed to heat or flame. To fight fire, use CO₂, dry chemical, fog, mist. When heated to decomposition it emits toxic fumes of PO_x.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Tributyl Phosphate, S208.

TIA300 CAS: 998-40-3 HR: 2

TRIBUTYLPHOSPHINE

mf: C₁₂H₂₇P mw: 202.36

SYNS: PHOSPHINE, TRIBUTYL- □ TRIBUTYLPHOSFIN □ TRI-n-BUTYLPHOSPHINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:750 mg/kg 34ZIAG -,600,69

skn-rbt LD50:2 g/kg 34ZIAG -,600,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TIA450 CAS: 3084-50-2 HR: 2

TRIBUTYLPHOSPHINE SULFIDE

mf: C₁₂H₂₇PS mw: 234.42

PROP: A liquid or pale-yellow oil. D: 1.03 @ 24°/4°, bp: 111° @ 0.1 mm. Sol in common org solvs.

SYNS: PHOSPHINE SULFIDE, TRIBUTYL- □ PHOSPHINE, TRIBUTYL-, SULFIDE □ TRIBUTYLPHOSFINSULFID

TOXICITY DATA with REFERENCE:

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

skn-rbt 100 mg/24H MOD 85JCAE -,1119,86

eye-rbt 500 mg/24H MLD 85JCAE -,1119,86

orl-rat LD50:930 mg/kg AIHAAP 23,95,62

skn-rbt LD50:1000 mg/kg AIHAAP 23,95,62

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

TIA750 CAS: 102-85-2 HR: 2
TRIBUTYL PHOSPHITE

mf: $\text{C}_{12}\text{H}_{27}\text{O}_3\text{P}$ mw: 250.36

PROP: A liquid with sickly odor. Decomp in water, flash p: 248°F (OC), d: 0.9, bp: 120° @ 7 mm.

TOXICITY DATA with REFERENCE:

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

eye-rbt 500 mg AJOPAA 29,1363,46

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

skn-rbt LD50:2 g/kg AIHAAP 34,286,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and eye irritant. Has been known to damage eyes. Combustible when exposed to heat or flame. To fight fire, use CO_2 , dry chemical. When heated to decomposition it emits toxic fumes of PO_x .

TIA800 CAS: 23188-89-8 HR: 3
N-(TRIBUTYLPLUMBYL)BENZIMIDAZOLE

mf: $\text{C}_{19}\text{H}_{32}\text{N}_2\text{Pb}$ mw: 495.72

SYNS: 1H-BENZIMIDAZOLE, 1-(TRIBUTYLPLUMBYL)- □ 1-BENZIMIDAZOLYLTRI-N-BUTYLLEAD □ (1-BENZIMIDAZOLYL)TRIBUTYLPLUMBANE □ BENZIMIDAZOLE, 1-(TRIBUTYLPLUMBYL)- □ PLUMBANE, (1-BENZIMIDAZOLYL)TRIBUTYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#05154

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

TIB000 CAS: 5488-45-9 HR: 3
TRIBUTYL(8-QUINOLINOLATO)TIN

mf: $\text{C}_{21}\text{H}_{33}\text{NOSn}$ mw: 434.24

SYN: (8-QUINOLINOLATO)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:8900 $\mu\text{g}/\text{kg}$ CSLNX* NX#03564

OSHA PEL: TWA 0.1 mg(Sn)/ m^3 (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/ m^3 ; STEL 0.2 mg(Sn)/ m^3 (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/ m^3

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x . See also TIN COMPOUNDS.

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

TIB250 CAS: 2179-92-2 HR: 3
TRIBUTYLSTANNANECARBONITRILE

mf: $\text{C}_{13}\text{H}_{27}\text{NSn}$ mw: 316.10

SYN: TRI-n-BUTYL TIN CYANIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#05643

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

OSHA PEL: TWA 0.1 mg(Sn)/ m^3 (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/ m^3 ; STEL 0.2 mg(Sn)/ m^3 (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/ m^3

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of NO_x and CN^- . See also TIN COMPOUNDS and NITRILES.

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

TIB500 CAS: 688-73-3 HR: 2
TRI-n-BUTYLSTANNANE HYDRIDE

mf: $\text{C}_{12}\text{H}_{28}\text{Sn}$ mw: 291.09

PROP: A liquid. D: 1.103 @ 20° , bp: $112.5\text{--}113.5^\circ$ @ 8 mm.

SYNS: TRIBUTYLSTANNIC HYDRIDE □ TRIBUTYL TIN HYDRIDE □ TRI-n-BUTYL TIN HYDRIDE

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:1460 mg/ m^3 NDRC** NDCrc-132, Feb, 42

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/ m^3 (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/ m^3 ; STEL 0.2 mg(Sn)/ m^3 (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/ m^3

SAFETY PROFILE: Moderately toxic by inhalation. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TIB750 CAS: 2857-03-6 HR: 3
TRIBUTYL TIN-p-ACETAMIDO BENZOATE

mf: $\text{C}_{21}\text{H}_{35}\text{NO}_3\text{Sn}$ mw: 468.26

SYN: ((p-ACETAMIDOBENZOYL)OXY)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#02820

OSHA PEL: TWA 0.1 mg(Sn)/ m^3

ACGIH TLV: TWA 0.1 mg(Sn)/ m^3 ; STEL 0.2 mg(Sn)/ m^3 (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/ m^3

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x . See also TIN COMPOUNDS.

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

TIC000 CAS: 56-36-0 HR: 3
TRIBUTYL TIN ACETATE

mf: $\text{C}_{14}\text{H}_{30}\text{O}_2\text{Sn}$ mw: 349.13

PROP: Colorless crystals. Mp: 85° . Sol in org solvs.

SYNS: ACETOXYTRIBUTYLSTANNANE □ TRI-n-BUTYL-ZINN-ACETAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:99 mg/kg JPMSAE 56,240,67

ipr-rat LDLo:10 mg/kg BJCAL 10,16,55

orl-mus LDLo:46 mg/kg ATXKA8 23,283,68
 ivn-mus LD50:180 mg/kg CSLNX* NX#01672
 orl-rbt LDLo:40 mg/kg BJMAG 15,15,58
 orl-gpg LDLo:20 mg/kg BJPCAL 10,16,55
 unr-mam LD50:500 mg/kg 30ZDA9 -,301,71

OSHA PEL: TWA 0.1 mg(Sn)/m³

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. Moderately toxic by an unspecified route. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TIC250 CAS: 1461-23-0 HR: 3
TRI-*n*-BUTYL TIN BROMIDE

mf: C₁₂H₂₇Sn•Br mw: 369.99

PROP: Liquid. D: 1.3365, bp: 163°/12 mm, refr index: 1.5000.

SYN: BROMOTRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:1030 mg/m³ NDRC** NDCrc-132, Feb, 42

orl-rbt LD50:100 µg/kg 85JCAE -,1250,86

skn-rbt LDLo:935 mg/kg SAIGBL 15,3,73

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 poison by ingestion. Moderately toxic by skin contact and inhalation. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES and TIN COMPOUNDS.

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

TIC500 CAS: 56573-85-4 HR: 2
TRIBUTYL TIN CHLORIDE COMPLEX

SYN: TIN-SAN

TOXICITY DATA with REFERENCE:

skn-mam LD50:10 g/kg FMCHA2 -,D309,80

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: Mildly toxic by skin contact. When heated to decomposition it emits toxic fumes of Cl⁻.

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

TIC750 CAS: 5847-52-9 HR: 3
TRIBUTYL TIN CHLOROACETATE

mf: C₁₄H₂₉ClO₂Sn mw: 383.57

SYN: (CHLOROACETOXY)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:8 mg/kg CSLNX* NX#02270

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. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS.

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

TID000 CAS: 33550-22-0 HR: 3
TRIBUTYL TIN-γ-CHLOROBUTYRATE

mf: C₁₆H₃₃ClO₂Sn mw: 411.63

SYNS: BUTYRIC ACID, 4-CHLORO-, TRIBUTYLSTANNYL ESTER □ 4-CHLOROBUTYRIC ACID TRIBUTYLSTANNYL ESTER □ STANNANE, TRIBUTYL((4-CHLOROBUTYRYL)OXO)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#03746

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. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS.

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

TID100 CAS: 2669-35-4 HR: 3
TRIBUTYL TIN CYCLOHEXANECARBOXYLATE

mf: C₁₉H₃₈O₂Sn mw: 417.26

SYNS: CYCLOHEXANECARBOXYLIC ACID, TRIBUTYLSTANNYL ESTER □ ((CYCLOHEXYLCARBONYL)OXY)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#04268

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

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

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

TID150 CAS: 20369-63-5 HR: 3
TRIBUTYL TIN DIMETHYLDITHIOCARBAMATE

mf: C₁₅H₃₃NS₂Sn mw: 410.30

SYNS: N,N-DIMETHYLDITHIOCARBAMIC ACID S-TRIBUTYLSTANNYL ESTER □ STANNANE, ((DIMETHYLTHIOCARBAMOYL)THIO)TRIBUTYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#04269

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Sn.

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

TID250 CAS: 5035-67-6 HR: 3

TRIBUTYLTIN-2-ETHYLHEXANOATE

mf: C₂₀H₄₂O₂Sn mw: 433.31

SYNS: ((2-ETHYLHEXANOYL)OXY)TRIBUTYLSTANNANE □ TRIBUTYL((2-ETHYLHEXANOYL)OXY)STANNANE □ TRIBUTYL((2-ETHYL-1-OXOHEXYL)OXY)STANNANE

TOXICITY DATA with REFERENCE:

orl-mus LDLo: 710 mg/kg AECTCV 14,111,85

ivn-mus LD50: 180 mg/kg CSLNX* NX#02794

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. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TID500 CAS: 1067-97-6 HR: 2

TRIBUTYLTIN HYDROXIDE

mf: C₁₂H₂₈OSn mw: 307.09

PROP: Waxy solid or oil. Mp: 15–16°.

SYNS: (HYDROXY)TRIBUTYLSTANNANE □ TRIBUTYL-HYDROXYSTANNANE

TOXICITY DATA with REFERENCE:

unr-mam LD50: 500 mg/kg 30ZDA9 -,301,71

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: Moderately toxic by unspecified routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TID750 CAS: 73927-91-0 HR: 3

TRIBUTYLTIN IODOACETATE

mf: C₁₄H₂₉IO₂Sn mw: 475.02

SYN: (IODOACETOXY)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 56 mg/kg CSLNX* NX#03469

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. When heated to decomposition it emits toxic fumes of I⁻. See also IODIDES and TIN COMPOUNDS.

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

TIE000 CAS: 73927-93-2 HR: 3

TRIBUTYLTIN-*o*-IODOBENZOATE

mf: C₁₉H₃₁IO₂Sn mw: 537.09

SYN: *o*-IODOBENZOIC ACID TRIBUTYLSTANNYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 180 mg/kg CSLNX* NX#03747

OSHA PEL: TWA 0.1 mg(Sn)/m³

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. When heated to decomposition it emits toxic fumes of I⁻. See also TIN COMPOUNDS, IODIDES, and ESTERS.

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

TIE250 CAS: 73940-88-2 HR: 3

TRIBUTYLTIN-*p*-IODOBENZOATE

mf: C₁₉H₃₁IO₂Sn mw: 537.09

SYNS: *p*-IODOBENZOIC ACID TRIBUTYLSTANNYL ESTER □ (4-IODOBENZOYLOXY)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 56 mg/kg CSLNX* NX#03794

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. When heated to decomposition it emits toxic fumes of I⁻. See also IODIDES and TIN COMPOUNDS.

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

TIE500 CAS: 73927-95-4 HR: 3

TRIBUTYLTIN-*β*-IODOPROPIONATE

mf: C₁₅H₃₁IO₂Sn mw: 489.05

SYN: (IODOPROPIONYLOXY)TRIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 180 mg/kg CSLNX* NX#03470

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. When heated to decomposition it emits toxic fumes of I⁻. See also IODIDES and TIN COMPOUNDS.

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

TIE600 CAS: 53404-82-3 HR: 3

TRIBUTYLTIN ISOPROPYLSUCCINATE

mf: C₁₉H₃₈O₄Sn mw: 449.26**SYNS:** STANNANE, (ISOPROPYLSUCCINYLOXY)TRIBUTYL- □ SUCCINIC ACID, O-ISOPROPYL-O'-TRIBUTYLSTANNYL ESTER**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#04264

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2 mg/m³ (skin)**NIOSH REL:** (Organotin Compound) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** Poison by intravenous route.

When heated to decomposition it emits toxic fumes of Sn.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TIE750 CAS: 3090-36-6 HR: 3 TRIBUTYL TIN LAURATE**mf: C₂₄H₅₀O₂Sn mw: 489.43**SYNS:** (LAUROYLOXY)TRIBUTYLSTANNANE □ TRIBUTYL((1-OXODODECYL)OXY)STANNANE (9CI) □ TRIBUTYL TIN DODECANOATE □ TRIBUTYL TIN MONOLAURATE □ TRI-n-BUTYLZINN-LAURAT (GERMAN)**TOXICITY DATA with REFERENCE:**

orl-mus LD50:180 mg/kg ATXKA8 23,283,68

ivn-mus LD50:20 mg/kg CSLNX* NX#02760

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 and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TIF000 CAS: 13302-06-2 HR: 3 TRI-n-BUTYL TIN METHANESULFONATE**mf: C₁₃H₃₀O₃SSn mw: 385.18**SYN:** ((METHYLSULFONYL)OXY)TRIBUTYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:5620 µg/kg CSLNX* NX#02291

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. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and SULFONATES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TIF250 CAS: 28801-69-6 HR: 3 TRIBUTYL TIN NEODECANOATE**mf: C₂₂H₄₆O₂Sn mw: 461.37**SYNS:** 4,4-DIMETHYLOCTANOIC ACID, TRIBUTYLSTANNYL ESTER □ (4,4-DIMETHYLOCTANOXYLOXY)TRIBUTYLSTANNANE □ HYDROXYTRIBUTYLSTANNANE-4,4-

DIMETHYLOCTANOATE □ TRIBUTYL(NEODECANO-YLOXY)STANNANE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:1070 mg/kg AECTCV 14,111,85

ivn-mus LD50:180 mg/kg CSLNX* NX#04263

OSHA PEL: TWA 0.1 mg(Sn)/m³**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.

Moderately toxic by ingestion. When heated to

decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TIF500 CAS: 4027-14-9 HR: 3 TRIBUTYL TIN NONANOATE**mf: C₂₁H₄₄O₂Sn mw: 447.34**SYNS:** NONANOIC ACID, TRIBUTYLSTANNYL ESTER □ (NONANOYLOXY)TRIBUTYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:32 mg/kg CSLNX* NX#04818

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.

When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ESTERS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TIF600 CAS: 26377-04-8 HR: 3 TRIBUTYL TIN SULFATE**mf: C₂₄H₅₄O₄SSn₂ mw: 676.22**SYNS:** (HEXABUTYL(mu-(SULFATO(2-)-O,O':O',O''))DI TIN □ HYDROXYTRIBUTYLSTANNANE, SULFATE (2:1)**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:50 mg/kg BJPCAL 10,16,55

ipr-rat LDLo:10 mg/kg BJPCAL 10,16,55

orl-mus LDLo:710 mg/kg AECTCV 14,111,85

orl-rbt LDLo:60 mg/kg BJPCAL 10,16,55

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 and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and SULFATES.**TIF750 CAS: 73940-89-3 HR: 3 TRIBUTYL TIN-α-(2,4,5-****TRICHLOROPHENOXY)PROPIONATE**mf: C₂₁H₃₃Cl₃O₃Sn mw: 558.58

SYN: 2-(2,4,5-TRICHLOROPHENOXY)PROPIONIC ACID TRIBUTYLSTANNYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#03748

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. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS.

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

TIG000 CAS: 73927-98-7 HR: 3
TRIBUTYL(2,4,5-TRICHLOROPHENOXY)TIN

mf: C₁₈H₂₉Cl₃OSn mw: 486.51

SYN: TRIBUTYL(2,4,5-TRICHLOROPHENOXY)STANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#03638

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. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS.

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

TIG250 CAS: 150-50-5 HR: 3
S,S,S-TRIBUTYL TRITHIOPHOSPHITE

mf: C₁₂H₂₇PS₃ mw: 298.54

PROP: Colorless to pale-yellow liquid with a mild characteristic odor. Bp: 142–145° @ 4.5 mm, flash p: 295°F (COC), d: 0.987 @ 20°/4°.

SYNS: CHEMAGRO B-1776 □ DELEAF DEFOLIANT □ EASY OFF-D □ FOLEX □ MERPHOS □ PHOSPHOROTRITHIOUS ACID, S,S,S-TRIBUTYL ESTER □ TRIBUTYL PHOSPHOROTRITHIOITE □ S,S,S-TRIBUTYL PHOSPHOROTRITHIOITE

TOXICITY DATA with REFERENCE:

orl-rat LD50:910 mg/kg TXAPA9 14,515,69

skn-rat LD50:615 mg/kg WRPCA2 9,119,70

ipr-rat LD50:150 mg/kg PSEBAA 114,509,63

ipr-mus LD50:1400 mg/kg BCPA6 12,73,63

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A cholinesterase inhibitor. Combustible when exposed to heat or flame. Can react vigorously with oxidizing materials. When heated to decomposition it emits highly toxic fumes of PO_x and SO_x. Used as a defoliant. See also PARATHION.

TIG500 CAS: 69226-47-7 HR: 3
TRIBUTYL(UNDECANOYLOXY)STANNANE

mf: C₂₃H₄₈O₂Sn mw: 475.40

SYNS: TRI-n-BUTYLTIN UNDECYLATE □ TRIBUTYLTIN UNDECYLENATE □ TRI-n-BUTYL-ZINN UNDECYLAT

(GERMAN) □ UNDECANOIC ACID, TRIBUTYLSTANNYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:205 mg/kg ARZNAD 19,934,69

ivn-mus LD50:56 mg/kg CSLNX* NX#04271

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 and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ESTERS.

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

TIG750 CAS: 60-01-5 HR: 3
TRIBUTYRIN

mf: C₁₅H₂₆O₆ mw: 302.41

PROP: Colorless, oily liquid; bitter taste. Mp: -75°, d: 1.0356 @ 20°/20°, bp: 305–310°, flash p: 212°F. Insol in water; very sol in alc, ether, chloroform.

SYNS: BUTANOIC ACID, 1,2,3-PROPANETRIYL ESTER □ BUTYRIC ACID TRIESTER with GLYCERIN □ BUTYRYL TRIGLYCERIDE □ FEMA No. 2223 □ GLYCEROL TRIBUTYRATE □ KODAFLEX □ TRIBUTYROIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:13 g/kg NPIRI* 2,59,75

ivn-mus LD50:320 mg/kg APSAX 40,338,57

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Low toxicity by ingestion. Questionable carcinogen with experimental tumorigenic data. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

TIH000 CAS: 12380-95-9 HR: 3
TRICADMIUM DINITRIDE

mf: Cd₃N₂ mw: 365.21

PROP: Moisture- and air-sensitive black powder.

SYN: CADMIUM NITRIDE

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

OSHA PEL: TWA 5 µg(Cd)/m³

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

NIOSH REL: (Cadium) Reduce to lowest feasible level

SAFETY PROFILE: Confirmed human carcinogen. Many cadmium compounds are poisons. Explodes violently on shock or heating. Explodes on contact with water, acids, or bases. When heated to decomposition it emits very toxic fumes of NO_x and Cd. See also NITRIDES and CADMIUM COMPOUNDS.

TIH250 CAS: 12013-82-0 HR: 3
TRICALCIUM DINITRIDE

mf: Ca₃N₂ mw: 148.25

SYN: CALCIUM NITRIDE

SAFETY PROFILE: Spontaneously flammable in air. Incandescent reaction with chlorine gas or bromine vapor. Incompatible with halogens. When heated to decomposition it emits toxic fumes of NO_x . See also NITRIDES and CALCIUM COMPOUNDS.

TIH600 **HR: 1**

TRICALCIUM SILICATE

SAFETY PROFILE: A nuisance dust.

TIH750 **CAS: 12134-29-1** **HR: 2**

TRICESIUM NITRIDE

mf: Cs_3N mw: 412.72

SYN: CESIUM NITRIDE

SAFETY PROFILE: Burns in air. Incompatible with chlorine, phosphorus or sulfur. When heated to decomposition it emits toxic fumes of NO_x . See also NITRIDES and CESIUM COMPOUNDS.

TIH800 **CAS: 363-20-2** **HR: 3**

TRICETAMIDE

mf: $\text{C}_{16}\text{H}_{24}\text{N}_2\text{O}_5$ mw: 324.42

PROP: Crystals from water. Mp: 133–134°.

SYNS: N-((DIETHYLCARBAMOYL)METHYL)-3,4,5-TRIMETHOXYBENZAMIDE □ R-548 □ RIKER 548 □ TOE □ TRIMEGLAMIDE □ N-(3,4,5-TRIMETHOXYBENZOYL)GLYCINE DIETHYLAMIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:340 mg/kg APTAK 137,218,62

ipr-mus LD50:3200 mg/kg YKKZAJ 86,120,66

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

TIH825 **CAS: 1117-99-3** **HR: 3**

TRICHLOROACETALDEHYDE OXIME

mf: $\text{C}_2\text{H}_2\text{Cl}_3\text{NO}$ mw: 162.40

PROP: A solid. Mp: 56°, bp: 85° @ 20 mm.

SAFETY PROFILE: Explosive reaction with alkali forms carbon dioxide and the toxic gases hydrogen cyanide and hydrogen chloride. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also ALDEHYDES.

TIH000 **CAS: 594-65-0** **HR: 3**

2,2,2-TRICHLOROACETAMIDE

mf: $\text{C}_2\text{H}_2\text{Cl}_3\text{NO}$ mw: 162.40

PROP: Crystals from H_2O . Mp: 141°. Sol in EtOH and Et_2O ; spar sol in H_2O .

SYNS: ACETAMIDE, α -TRICHLORO- □ AMID KYSELINY TRICHLOROCTOVE □ TRICHLOROACETAMIDE □ α - α - α -TRICHLOROACETAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg JPETAB 90,260,47

ipr-mus LDLo:1100 mg/kg JACSAT 63,1437,41

ivn-mus LD50:180 mg/kg CSLNX* NX#04129

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes.

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

TIH250 **CAS: 76-03-9** **HR: 3**

TRICHLOROACETIC ACID

DOT: UN 1839/UN 2564

mf: $\text{C}_2\text{HCl}_3\text{O}_2$ mw: 163.38

PROP: Colorless, rhombic, deliq crystals. Bp: 197.5°, fp: 57.7°, flash p: none, mp: 57–58°, d: 1.6298 @ 61°/4°, vap press: 1 mm @ 51.0°. Sol in water and alc.

SYNS: ACETO-CAUSTIN □ ACIDE TRICHLORACETIQUE (FRENCH) □ ACIDO TRICHLOROACETICO (ITALIAN) □ AMCHEM GRASS KILLER □ DOW SODIUM TCA SOLUTION □ KONESTA □ KYSELINA TRICHLOROCTOVA □ NA TA □ SODIUM TCA SOLUTION □ TCA □ TRICHLOROAZIJNZUUR (DUTCH) □ TRICHLORRESSIGSAEURE (GERMAN) □ TRICHLOROACETIC ACID (UN 1839) (DOT) □ TRICHLORO-ACETIC ACID, solution (UN 2564) (DOT) □ TRICHLOROETHANOIC ACID □ VARITOX

TOXICITY DATA with REFERENCE:

skn-rbt 210 μg MLD XEURAQ MDDC-1715

eye-rbt 3500 μg /5S SEV XEURAQ MDDC-1715

mmo-sat 250 μg /plate CNJGA8 22,35,80

orl-mus TDLo:427 g/kg/61W-C:CAR TXAPA9 90,183,87

orl-rat LD50:400 mg/kg PEMNDP 8,765,87

ipr-mus LDLo:500 mg/kg CBCCT* 6,214,54

scu-mus LD50:270 mg/kg NIIRDN 6,879,82

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

OSHA PEL: TWA 1 ppm

ACGIH TLV: TWA 1 ppm; Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Moderately toxic by intraperitoneal route. Questionable carcinogen with experimental carcinogenic data. Experimental reproductive effects. Mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits toxic fumes of Cl^- and Na_2O . Used as an herbicide.

TIH500 **CAS: 650-51-1** **HR: 2**

TRICHLOROACETIC ACID SODIUM SALT

mf: $\text{C}_2\text{Cl}_3\text{O}_2\cdot\text{Na}$ mw: 185.36

PROP: Crystals or white powder. Mp: >300°. Water-sol.

SYNS: ACP GRASS KILLER □ ANTIPERZ □ DOW SODIUM TCA INHIBITED □ GREEN CROSS COUCH GRASS KILLER □ NATA □ NATRIUMTRICHLORACETAAT (DUTCH) □ NATRIUMTRICHLORACETAT (GERMAN) □ SODIO(TRICHLORO-ACETATO di) (ITALIAN) □ SODIUM TCA INHIBITED □ SODIUM (TRICHLORACETATE de) (FRENCH) □ SODIUM TRICHLOROACETATE □ STCA □ TCA □ TCA SODIUM □ TRICHLORRESSIGSAURES NATRIUM (GERMAN) □ TRICHLOROCTAN SODNY (CZECH) □ VARITOX □ WEEDMASTER GRASS KILLER

TOXICITY DATA with REFERENCE:

cyt-hmn:lym 100 mg/L TGANAK 18,318,84

orl-rat LD50:3320 mg/kg KSKZAN 18(3),46,80

orl-mus LD50:3600 mg/kg PCOC** -,1061,66

ivn-mus LD50:2370 mg/kg 28ZPAK -,91,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intravenous routes. Human mutation data reported. Large doses cause central nervous system depression. Used as an herbicide. Bags of the salt can ignite spontaneously in storage. When heated to decomposition it emits very toxic fumes of Cl^- and Na_2O . Used as an herbicide.

TI1550 CAS: 921-03-9 HR: 3
1,1,3-TRICHLOROACETONE

mf: $\text{C}_3\text{H}_3\text{Cl}_3\text{O}$ mw: 161.41

PROP: Mp: 13–15°, bp: 172°, refr index: 1.4892, d: 1.508, flash p: 175° F.

SYNS: α,α',α' -TRICHLOROACETONE □ 1,1,3-TRICHLORO-2-PROPANONE

TOXICITY DATA with REFERENCE:

mno-sat 50 $\mu\text{L}/\text{plate}$ ENMUDM 7,163,85

mrc-smc 5 $\mu\text{L}/\text{L}$ MUREAV 155,53,85

ihl-rat LC50:390 $\text{mg}/\text{m}^3/2\text{H}$ 85GMAT -,113,82

ihl-mus LC50:360 $\text{mg}/\text{m}^3/2\text{H}$ 85GMAT -,113,82

SAFETY PROFILE: Poison by inhalation. Corrosive and lachrymator. Mutation data reported. Combustible liquid. When heated to decomposition it emits toxic fumes of Cl^- . See also KETONES.

TI1750 CAS: 545-06-2 HR: 3
TRICHLOROACETONITRILE

mf: $\text{C}_2\text{Cl}_3\text{N}$ mw: 144.38

PROP: Crystals or liquid; odor of chloral and hydrogen cyanide. Mp: 44°, bp: 85.7°, d: 1.44° @ 25°/4°.

SYNS: CYANOTRICHLOROMETHANE □ NITRILE TRICHLORACETIQUE (FRENCH) □ TRICHLOR-ACETONITRIL (GERMAN) □ TRICHLOROMETHYL CYANIDE □ TRICHLOROMETHYLNITRILE □ TRICHLORACETONITRIL (DUTCH) □ TRITOX

TOXICITY DATA with REFERENCE:

skn-rbt 100 $\mu\text{g}/24\text{H}$ open AIHAAP 23,95,62

skn-rbt 5 $\text{mg}/24\text{H}$ SEV 85JCAE -,907,86

eye-rbt 50 $\mu\text{g}/24\text{H}$ SEV 85JCAE -,907,86

mno-sat 3333 $\mu\text{g}/\text{plate}$ ENMUDM 8(Suppl 7),1,86

dnd-hmn:lym 50 $\mu\text{mol}/\text{L}$ FAATDF 6,447,86

orl-rat LD50:250 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:250 $\text{ppm}/4\text{H}$ AIHAAP 23,95,62

ivn-mus LD50:56 mg/kg CSLNX* NX#06416

ihl-rbt LCLo:311 $\text{ppm}/5\text{H}$ JIHTAB 31,235,49

skn-rbt LD50:900 mg/kg AIHAAP 23,95,62

ihl-gpg LCLo:311 $\text{ppm}/5\text{H}$ JIHTAB 31,235,49

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

SAFETY PROFILE: Poison by ingestion and intravenous routes. Moderately toxic by inhalation and skin contact. Human mutation data reported. A skin and severe eye irritant. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition or in reaction with water, steam, acid, or acid fumes it produces toxic fumes of CN^- , Cl^- , and NO_x . Used as an insecticide. See also NITRILES and CYANIDE.

TIJ000 CAS: 63041-25-8 HR: 3
10-TRICHLOROACETYL-1,2-BENZ-ANTHRACENE

mf: $\text{C}_{20}\text{H}_{11}\text{Cl}_3\text{O}$ mw: 373.66

SYNS: 1-(BENZ(a)ANTHRACEN-7-YL)-2,2,2-TRICHLORO-ETHANONE □ BENZ(a)ANTHRACEN-7-YL TRICHLORO-METHYL KETONE

TOXICITY DATA with REFERENCE:

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. A flammable liquid. When heated to decomposition it emits toxic fumes of Cl^- . See also KETONES.

TIJ150 CAS: 76-02-8 HR: 2
TRICHLOROACETYL CHLORIDE

DOT: UN 2442

mf: $\text{C}_2\text{Cl}_4\text{O}$ mw: 181.82

PROP: Mp: -146°, bp: 114–116°, refr index: 1.4700, d: 1.629, flash p: none.

SYNS: TRICHLOROACETIC ACID CHLORIDE □ TRICHLOROACETOCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:600 mg/kg 85GMAT -,113,82

ihl-rat LC50:475 $\text{mg}/\text{m}^3/4\text{H}$ 85GMAT -,113,82

ihl-mus LC50:445 mg/m^3 85GMAT -,113,82

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

DOT CLASSIFICATION: 8; Label: Corrosive, Poison

SAFETY PROFILE: Moderately toxic by inhalation and ingestion. A corrosive irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits toxic fumes of Cl^- .

TIJ175 CAS: 354-13-2 HR: 2
TRICHLOROACETYL FLUORIDE

mf: $\text{C}_2\text{Cl}_3\text{FO}$ mw: 165.37

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:2000 mg/m^3 11FYAN 3,75,63

OSHA PEL: TWA 2.5 $\text{mg}/\text{F}/\text{m}^3$

ACGIH TLV: TWA 2.5 $\text{mg}/\text{F}/\text{m}^3$; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.

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

TIJ250 CAS: 3787-28-8 HR: 3
2,3,3-TRICHLOROACROLEIN

mf: $\text{C}_3\text{HCl}_3\text{O}$ mw: 159.39

SYNS: 2,3,3-TRICHLOROPROPENAL □ 2,3,3-TRICHLORO-2-PROPENAL

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate MUREAV 78,113,80

mno-sat 120 ng/plate MUREAV 157,111,85

ipr-mus LD50:4 mg/kg JAFCAU 30,627,82

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- .

TIJ500 CAS: 815-58-7 HR: 3

TRICHLOROACRYLOYL CHLORIDEmf: C₃Cl₄O mw: 193.83**PROP:** Bp: 158°.**SYNS:** TCAT □ TRICHLORACRYLYL CHLORIDE □ 2,3,3-TRICHLOROACRYLOYL CHLORIDE □ TRICHLOROACRYLYL CHLORIDE □ 2,3,4-TRICHLORO-2-PROPENOYL CHLORIDE**TOXICITY DATA with REFERENCE:**

skn-rbt 270 µg MLD XEURAQ MDDC-1715

eye-rbt 2560 µg/5S MLD XEURAQ MDDC-1715

mmo-sat 1 µL/plate MUREAV 117,21,83

mma-sat 1 µL/plate MUREAV 117,21,83

ihl-rat LC50:107 ppm/30M XEURAQ MDDC-1715

ipr-rat LD50:750 mg/kg XEURAQ MDDC-1715

scu-rat LDLo:1500 mg/kg XEURAQ MDDC-1715

ihl-mus LCLo:67 ppm/30M XEURAQ MDDC-1715

ihl-rbt LCLo:67 ppm/30M XEURAQ MDDC-1715

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by intraperitoneal and subcutaneous routes. Mutation data reported. A skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻.**TIJ750 CAS: 634-93-5 HR: 2
2,4,6-TRICHLOROANILINE**mf: C₆H₄Cl₃N mw: 196.46**PROP:** Needles or liquid from pet ether. Mp: 77.5–78.5°, bp: 262° @ 46 mm. Insol in H₃PO₄; sol in alc, ether.**SYNS:** sym-TRICHLOROANILINE □ 2,4,6-TRICHLOROBENZENAMINE**TOXICITY DATA with REFERENCE:**

mmo-sat 5 mg/plate 54DEAI -,497,84

slt-dmg-orl 5 mmol/L MUREAV 211,279,88

orl-rat LD50:2400 mg/kg GISAAA 55(6),86,90

orl-mus LD50:1180 mg/kg GISAAA 55(6),86,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Irritant. 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 AROMATIC AMINES.**TIK000 CAS: 2307-49-5 HR: 3
3,5,6-TRICHLORO-*o*-ANISIC ACID**mf: C₈H₅Cl₃O₃ mw: 255.48**PROP:** A powder. Mp: 138°. Freely sol in alc; sol in xylene. Its salts are very sol in water.**SYNS:** BANVEL T □ 2-METHOXY-3,5,6-TRICHLOROBENZOIC ACID □ METRIBEN □ TRICAMBA □ 2,3,5-TRICHLORO-6-METHOXYBENZOIC ACID □ 3,5,6-TRICHLORO-2-METHOXYBENZOIC ACID □ VELSICOL □ VELSICOL COMPOUND C**TOXICITY DATA with REFERENCE:**

orl-rat LD50:300 mg/kg WRPCA2 4,36,65

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of Cl⁻. Used as an herbicide.**TIK100 CAS: 87-61-6 HR: 2
1,2,3-TRICHLOROBENZENE**mf: C₆H₃Cl₃ mw: 181.44**SYNS:** BENZENE, 1,2,3-TRICHLORO- □ vic-TRICHLOROBENZENE □ 1,2,6-TRICHLOROBENZENE**TOXICITY DATA with REFERENCE:**

mnt-mus-ipr 250 mg/kg/24H MUTAEX 2,111,87

ipr-mus LD50:1390 mg/kg MUTAEX 2,111,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**TIK250 CAS: 120-82-1 HR: 3
1,2,4-TRICHLOROBENZENE**mf: C₆H₃Cl₃ mw: 181.44**PROP:** Colorless liquid. Mp: 17°, bp: 213°, flash p: 230°F (CC), d: 1.454 @ 25°/25°, vap press: 1 mm @ 38.4°, vap d: 6.26. Sol in water.**SYNS:** HOSTETEX L-PEC □ unsym-TRICHLOROBENZENE □ 1,2,5-TRICHLOROBENZENE □ 1,3,4-TRICHLOROBENZENE □ 1,2,4-TRICHLOROBENZENE (ACGIH, OSHA) □ 1,2,4-TRICHLOROBENZOL □ TROJCHLOROBENZEN □ TROJCHLOROBENZEN (POLISH)**TOXICITY DATA with REFERENCE:**

skn-rbt 1950 mg/13W-I MOD AEHLAU 30,165,75

mnt-mus-ipr 210 mg/kg/24H MUTAEX 2,111,87

orl-rat LD50:756 mg/kg AOHYA3 12,209,69

orl-mus LD50:300 mg/kg NAIZAM 29,569,78

ipr-mus LD50:1223 mg/kg MUTAEX 2,111,87

CONSENSUS REPORTS: Community Right-To-Know List. Reported in EPA TSCA Inventory.**OSHA PEL:** CL 5 ppm**ACGIH TLV:** CL 5 ppm**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. Mutation data reported. A skin irritant. Combustible when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use water, foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Polychlorobenzenes, 5517.**TIK300 CAS: 108-70-3 HR: 2
1,3,5-TRICHLOROBENZENE**mf: C₆H₃Cl₃ mw: 181.44**SYNS:** BENZENE, 1,3,5-TRICHLORO- □ s-TRICHLOROBENZENE □ sym-TRICHLOROBENZENE**TOXICITY DATA with REFERENCE:**

dlt-oin-oin-par 10 ppm EVETBX 2,1029,73

dlt-oin-oin-skn 10 ppm EVETBX 2,1029,73

mnt-mus-ipr 425 mg/kg/24H MUTAEX 2,111,87

orl-rat LD50:800 mg/kg 48RKAL -,389,81

orl-mus LD50:3350 mg/kg NTIS** UCRL-13701

ipr-mus LD50:2260 mg/kg MUTAEX 2,111,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DFG MAK:** 5 ppm

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl^- .

TIK500 CAS: 50-31-7 HR: 3
2,3,6-TRICHLOROBENZOIC ACID

mf: $\text{C}_7\text{H}_3\text{Cl}_3\text{O}_2$ mw: 225.45

PROP: A solid. Mp: 124–126°.

SYNS: BENZABAR □ BENZAC □ FEN-ALL □ HC 1281 □ NCI-C60242 □ T-2 □ 2,3,6-TBA (herbicide) □ 2,3,6-TCB □ 2,3,6-TCBA □ TRIBAC □ 2,3,6-TRICHLOROBENZOESAEURE (GERMAN) □ TRICHLOROBENZOIC ACID □ TRYBEN □ TRYBEN 200 □ ZOBAR

TOXICITY DATA with REFERENCE:

orl-rat LD50:650 mg/kg HYSAAV 35(7-9),14,70

ipr-rat LD50:1000 mg/kg GUHAZ 6,515,73

orl-mus LD50:615 mg/kg HYSAAV 35(7-9),14,70

ipr-mus LD50:178 mg/kg JMCMA 11,1020,68

scu-mus LD50:1500 mg/kg BCPCA 6 13,1538,64

orl-rbt LD50:812 mg/kg HYSAAV 35(7-9),14,70

orl-gpg LD50:1218 mg/kg HYSAAV 35(7-9),14,70

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of Cl^- . Used as an herbicide.

TIL250 CAS: 1344-32-7 HR: 2
TRICHLOROBENZYL CHLORIDE

mf: $\text{C}_7\text{H}_4\text{Cl}_4$ mw: 229.91

SYN: TCBC

TOXICITY DATA with REFERENCE:

orl-rat LD50:3075 mg/kg 28ZEAL 4,359,69

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.

TIL258 CAS: 37680-65-2 HR: 2
2,2',5-TRICHLOROBIPHENYL

mf: $\text{C}_{12}\text{H}_7\text{Cl}_3$ mw: 257.54

SYNS: 1,1'-BIPHENYL, 2,2',5-TRICHLORO- □ PCB 18 □ 2,2',5'-TRICHLOROBIPHENYL □ 2,5,2'-TRICHLOROBIPHENYL

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^- .

TIL260 CAS: 38444-86-9 HR: 2
2,3',4'-TRICHLOROBIPHENYL

mf: $\text{C}_{12}\text{H}_7\text{Cl}_3$ mw: 257.54

SYNS: BIPHENYL, 2',3,4-TRICHLORO- □ 1,1'-BIPHENYL, 2,3',4-TRICHLORO- □ PCB 33 □ 2',3,4-TRICHLOROBIPHENYL □ 3,4,2'-TRICHLOROBIPHENYL

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^- .

TIL255 CAS: 34314-31-3 HR: 2
((2,3,6-TRICHLOROBENZYL)OXY)-2-PROPANOL

mf: $\text{C}_{10}\text{H}_{11}\text{Cl}_3\text{O}_2$ mw: 319.34

SYN: 2-PROPANOL, ((2,3,6-TRICHLOROBENZYL)OXY)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>3160 mg/kg RREVAH 10,97,1965

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

TIL262 CAS: 38444-81-4 HR: 2
2,3,5-TRICHLOROBIPHENYL

mf: $\text{C}_{12}\text{H}_7\text{Cl}_3$ mw: 257.54

SYNS: 1,1'-BIPHENYL, 2,3',5-TRICHLORO- □ PCB 26 □ 2,5,3'-TRICHLOROBIPHENYL □ 3,2',5'-TRICHLOROBIPHENYL

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^- .

TIL270 CAS: 7012-37-5 HR: 2
2,4,4'-TRICHLOROBIPHENYL

mf: $\text{C}_{12}\text{H}_7\text{Cl}_3$ mw: 257.54

SYNS: BIPHENYL, 2,4,4'-TRICHLORO- □ 1,1'-BIPHENYL, 2,4,4'-TRICHLORO- □ K 28 □ PCB28 □ 2',4,4'-TRICHLOROBIPHENYL □ 4,2',4'-TRICHLOROBIPHENYL

TOXICITY DATA with REFERENCE:

orl-rat TDLo:224 mg/kg (female 10–16D post):REP TOLED5 68,311,93

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

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

TIL275 CAS: 16606-02-3 HR: 2
2,4',5-TRICHLOROBIPHENYL

mf: $\text{C}_{12}\text{H}_7\text{Cl}_3$ mw: 257.54

SYNS: BIPHENYL, 2,4',5-TRICHLORO- □ 1,1'-BIPHENYL, 2,4',5-TRICHLORO-(9CI) □ TCB □ 2,4',5-TRICHLORO-1,1'-BIPHENYL □ 4,2',5'-TRICHLOROBIPHENYL

TOXICITY DATA with REFERENCE:

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

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

TIL300 CAS: 26445-82-9 HR: 2
B-1,3,5-TRICHLOROBORAZINE

mf: $\text{B}_3\text{Cl}_3\text{H}_3\text{N}_3$ mw: 183.83



PROP: Mp: 84°, d: 1.58°.

SAFETY PROFILE: Reacts violently with water. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also BORON COMPOUNDS and BORAZINE.

TIL350 CAS: 2852-07-5 HR: 2**1,1,2-TRICHLOROBUTADIENE**mf: C₄H₃Cl₃ mw: 157.42**SYN:** 1,1,2-TRICHLORO-1,3-BUTADIENE**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg GISAAA 45(10),77,80

orl-rat LD50:680 mg/kg GISAAA 45(10),77,80

ihl-rat LC50:7000 mg/m³ GISAAA 45(10),77,80

orl-mus LD50:1000 mg/kg GISAAA 45(10),77,80

ihl-mus LC50:3300 mg/m³ GISAAA 45(10),77,80**SAFETY PROFILE:** Moderately toxic by ingestion and inhalation. An eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.**TIL360 CAS: 2431-50-7 HR: 3****2,3,4-TRICHLOROBUTENE-1**mf: C₄H₃Cl₃ mw: 159.44**SYN:** 1-BUTENE, 2,3,4-TRICHLORO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:341 mg/kg GISAAA 46(1),92,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DFG MAK:** Animal Carcinogen; Suspected Human Carcinogen**SAFETY PROFILE:** Confirmed carcinogen. Poison by ingestion. When heated to decomposition it emits toxic fumes of Cl⁻.**TIL500 CAS: 101-20-2 HR: 2****3,4,4'-TRICHLOROCARBANILIDE**mf: C₁₃H₉Cl₃N₂O mw: 315.59**PROP:** Fine plates. Mp: 255.2–256°.**SYNS:** N-(4-CHLOROPHENYL)-N'-(3,4-DICHLOROPHENYL)UREA □ CUSITER □ CUTISAN □ N-(3,4-DICHLOROPHENYL)-N'-(4-CHLOROPHENYL)UREA □ ENT 26,925 □ GENOFACE □ PROCUTENE □ NSC-72005 □ SOLUBACTER □ TCC □ 3,4,4'-TRICHLORODIPHENYLUREA □ TRICLOCARBAN □ UREA, N-(4-CHLOROPHENYL)-N'-(3,4-DICHLOROPHENYL)-(9CI)**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:2100 mg/kg LPPTAK 27,306,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**TIL526 HR: D**
3,4,4'-TRICHLOROCARBANILIDE mixed with 3-TRIFLUOROMETHYL-4,4'-DICHLOROCARBANILIDE (2:1)mf: C₂₆H₁₈Cl₆N₄O₂•C₁₄H₉Cl₂F₃N₂O mw: 980.33**SYNS:** TCC mixed with TFC (2:1) □ TFC mixed with TCC (1:2) □ 3-TRIFLUOROMETHYL-4,4'-DICHLOROCARBANILIDE mixed with 3,4,4'-TRICHLOROCARBANILIDE (1:2)**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻, Cl⁻, and NO_x.**TIL600 CAS: 32139-72-3 HR: D****3,4,6-TRICHLOROCATECHOL**mf: C₆H₃Cl₃O₂ mw: 213.44**SYNS:** 1,2-BENZENEDIOL, 3,4,6-TRICHLORO-(9CI) □

PYROCATECHOL, 3,4,6-TRICHLORO- □ 3,4,6-TRICHLORO-1,2-BENZENEDIOL

TOXICITY DATA with REFERENCE:

msc-ham:lng 4 mg/L CSMHAF 14,1617,85

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**TIL610 CAS: 215226-73-6 HR: D**
2,4,4-TRICHLORO-3-CHLOROMETHYL-BUTENOIC ACIDmf: C₅H₄Cl₄O₂ mw: 237.89**SYNS:** 2-BUTENOIC ACID, 3-(CHLOROMETHYL)-2,4,4-

TRICHLORO- □ 3-(CHLOROMETHYL)-2,4,4-TRICHLORO-2-BUTENOIC ACID

TOXICITY DATA with REFERENCE:

mic-sat 250 ng/plate MUREAV 417,31,1998

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**TIL620 CAS: 39227-58-2 HR: 2****1,2,4-TRICHLORODIBENZODIOXIN**mf: C₁₂H₅Cl₃O₂ mw: 287.52**SYNS:** DIBENZO(b,e)(1,4)DIOXIN, 1,2,4-TRICHLORO- □

DIBENZO-p-DIOXIN, 1,2,4-TRICHLORO- □ 1,2,4-TRICHLORODIBENZO-p-DIOXIN

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 15,41,77; Human No Adequate Data IMEMDT 15,41,77.**SAFETY PROFILE:** Questionable carcinogen. When heated to decomposition it emits toxic vapors of Cl⁻.**TIL630 CAS: 33857-28-2 HR: 3****2,3,7-TRICHLORODIBENZO-p-DIOXIN**mf: C₁₂H₅Cl₃O₂ mw: 287.52**SYN:** DIBENZO-p-DIOXIN, 2,3,7-TRICHLORO-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>3 mg/kg TXAPAY 44,335,78

orl-gpg LD50:29,400 µg/kg EXPEAM 38,879,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 15,41,77; Human No Adequate Data IMEMDT 15,41,77.**SAFETY PROFILE:** A poison by ingestion. Questionable carcinogen. When heated to decomposition it emits toxic vapors of Cl⁻.**TIL700 CAS: 130892-67-0 HR: D**
1,2,4-TRICHLORO-5-(2,6-DICHLOROPHENOXY)-BENZENEmf: C₁₂H₅Cl₅O mw: 342.42**SYNS:** BENZENE, 1,2,4-TRICHLORO-5-(2,6-DICHLOROPHENOXY)- □ PCDE 35 □ PCDE 102 □ 2,2',4,5,6'-PENTACHLORO-DIPHENYL ETHER**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of Cl⁻.

TIL750 CAS: 53555-01-4 HR: 3
4,5,6-TRICHLORO-2-(2,4-DICHLOROPHENOXY)PHENOLmf: C₁₂H₅Cl₅O₂ mw: 358.42**SYNS:** C15-PREDIOXIN □ 2-(2,4-DICHLOROPHENOXY)-4,5,6-TRICHLOROPHENOL □ 6-(2,4-DICHLOROPHENOXY)-2,3,4-TRICHLOROPHENOL**TOXICITY DATA with REFERENCE:**

mrc-smc 50 mg/L EVSRBT 12,325,78

mmo-sat 50 mg/L EVSRBT 12,325,78

ipr-mus LD50:170 mg/kg JTEHD6 12,245,83

CONSENSUS REPORTS: Chlorophenol compounds are on the Community Right-To-Know List. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROPHENOLS.**TIL800 CAS: 21757-82-4 HR: 3**
2,2,2-TRICHLORO-1-(3,4-DICHLOROPHENYL)ETHANOL ACETATEmf: C₁₀H₇Cl₅O₂ mw: 336.42**SYNS:** ACETOFENATE □ BAYGON MEB □ BAY MEB 6046 □ BENZENEMETHANOL, 3,4-DICHLORO-α-(TRICHLORO-METHYL)-, ACETATE (9CI) □ BENZYL ALCOHOL, 3,4-DICHLORO-α-(TRICHLOROMETHYL)-, ACETATE (8CI) □ ETHANOL, 1-(3,4-DICHLOROPHENYL)-2,2,2-TRICHLORO-, ACETATE □ MB 6046 □ MEB-6046 □ PENFENATE □ PLIFENATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:10,000 mg/kg 85AREA 1,96,77

ihl-rat LC50:>561 mg/m³/4H PEMNDP 8,822,87

skn-rat LD50:>1 g/kg PEMNDP 8,822,87

orl-mus LD50:>2500 mg/kg 85JFAN A336,83

orl-dog LD50:>1 g/kg 85JFAN A336,83

orl-rbt LD50:>2500 mg/kg 85JFAN A336,83

orl-ckn LD50:>2500 mg/kg 85JFAN A336,83

SAFETY PROFILE: A poison by inhalation.Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic vapors of Cl⁻.**TIM000 CAS: 354-21-2 HR: 1**
1,1,2-TRICHLORO-2,2-DIFLUOROETHANEmf: CHCl₃F₂ mw: 157.37**PROP:** A liquid. Mp: -140°, bp: 71.9°.**SYNS:** 1,1-DIFLUORO-1,2,2-TRICHLOROETHANE □ UCON FLUOROCARBON 122**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:7500 mg/kg HXPHAU 20(Pt 1),459,66

ihl-rat LCLo:4000 ppm/4H UCMH** 15NOV62

SAFETY PROFILE: Mildly toxic by ingestion and inhalation. When heated to decomposition it emits very toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC, and FLUORIDES.**TIM100 CAS: 25323-68-6 HR: 2**
TRICHLORODIPHENYLmf: C₁₂H₇Cl₃ mw: 257.54**SYNS:** APIROLIO 1431 C □ BIPHENYL, TRICHLORO- □ 1,1'-BIPHENYL, TRICHLORO-(9CI) □ PYRANOL 1499 □ TRICHLOROBIPHENYL □ TRICHLORO-1,1'-BIPHENYL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,166,86

eye-rbt 500 mg/24H MLD 85JCAE -,166,86

orl-rat LD50:4550 mg/kg 85JCAE -,166,86

unr-rat LD50:4285 mg/kg GISAAA 53(3),15,88

unr-mus LD50:2765 mg/kg GISAAA 53(3),15,88

unr-uns LD50:1200 µg/kg ZKMAAX 22,290,82

SAFETY PROFILE: Moderately toxic by ingestion and unspecified routes. A skin and eye irritant. When heated to decomposition it emits toxic vapors of Cl⁻.**TIM500 HR: 1**
TRICHLORO ESTERTIN**SYN:** ESTERTRICHLOROSTANNANE**TOXICITY DATA with REFERENCE:**

unr-rat LD50:5500 mg/kg TIUSAD 107,1,76

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2mg(Sn)/m³ (skin).**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS and ESTERS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TIN000 CAS: 79-00-5 HR: 3**
1,1,2-TRICHLOROETHANEmf: C₂H₃Cl₃ mw: 133.40**PROP:** Nonflammable, mobile liquid with a pleasant odor. Bp: 114°, fp: -35°, d: 1.4416 @ 20°/4°, vap press: 40 mm @ 35.2°. Insol in H₂O; misc in most org solvs. IDLH 100 ppm.**SYNS:** ETHANE TRICHLORIDE □ NCI-C04579 □ RCRA WASTE NUMBER U227 □ β-T □ 1,1,2-TRICHLOROETHANE □ β-TRICHLOROETHANE □ 1,2,2-TRICHLOROETHANE □ TROJCHLOROETAN(1,1,2) (POLISH) □ VINYL TRICHLORIDE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS** 6/28/72

skn-rbt 810 mg/24H SEV JETOAS 9,171,76

eye-rbt 162 mg MLD JETOAS 9,171,76

skn-gpg 1440 mg/15M APTOA6 41,298,77

otr-mus:emb 25 mg/L CALEDQ 28,85,85

cyt-gpg-skn 2880 µg/kg APTOA6 41,298,77

orl-mus TDLo:76 g/kg/78W-I:CAR NCITR* NCI-CG-TR-74,78

orl-mus TD:152 g/kg/78W-I:CAR NCITR* NCI-CG-TR-74,78

orl-rat LD50:836 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:2000 ppm/4H JIDHAN 31,343,49

orl-mus LD50:378 mg/kg DCTODJ 8,333,85

ipr-mus LD50:494 mg/kg TXAPA9 9,139,66

scu-mus LD50:227 mg/kg JPETAB 123,224,58

orl-dog LDLo:500 mg/kg AJHYA2 16,325,32

ipr-dog LD50:450 mg/kg TXAPA9 10,119,67

ivn-dog LDLo:95 mg/kg QJPPAL 7,205,34

ihl-cat LCLo:13,100 mg/m³/4.5H AHBAAM 116,131,36

skn-rbt LD50:5377 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 20,533,79. NCI Carcinogenesis Bioassay (gavage); No Evidence: rat NCITR* NCI-CG-TR-74,78;

(gavage); Clear Evidence: mouse NCITR* NCI-CG-TR-74,78. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 ppm (skin)

ACGIH TLV: TWA 10 ppm (skin); Not Classifiable as a Human Carcinogen

DFG MAK: 10 ppm (55 mg/m³); Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Poison by ingestion, intravenous, and subcutaneous routes. Moderately toxic by inhalation, skin contact, and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. An eye and severe skin irritant. Has narcotic properties and acts as a local irritant to the eyes, nose, and lungs. It may also be injurious to the liver and kidneys. Incompatible with potassium. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and other trichloroethane entries.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #11 or NIOSH: Hydrocarbons, Halogenated, 1003.

TIN500 CAS: 115-20-8 HR: 3
TRICHLOROETHANOL

mf: C₂H₃Cl₃O mw: 149.40

PROP: Rhombic plates or hygroscopic liquid with ethereal odor. Mp: 17.8°, bp: 150° @ 765 mm, d: 1.54 @ 25°/4°, vap press: 1 mm @ 20°, vap d: 5.16. Sol in H₂O, EtOH, and Et₂O.

SYNS: TRICHLOROETHANOL □ 2,2,2-TRICHLOROETHANOL □ TRICHLOROETHYL ALCOHOL □ 2,2,2-TRICHLOROETHYL ALCOHOL

TOXICITY DATA with REFERENCE:

mno-asn 5 µL/plate/2H CBINA8 30,9,80
sln-asn 10,240 µmol/L MUREAV 155,105,85
sce-hmn:lym 178 g/L TOERD9 3,63,81
orl-rat LDLo:500 mg/kg CRAAA7 17,258,38
ipr-rat LDLo:300 mg/kg JPETAB 63,453,38
orl-mus LDLo:500 mg/kg CRAAA7 17,258,38
ivn-mus LD50:201 mg/kg 28ZPAK -,78,72
ivn-rbt LDLo:50 mg/kg JPETAB 63,453,38
rec-rbt LDLo:500 mg/kg CRAAA7 17,258,38

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

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and rectal routes. Human mutation data reported. Explosive reaction with concentrated sodium hydroxide solutions. When heated to decomposition it emits toxic fumes of Cl⁻. Used as an hypnotic and anesthetic. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

TIN750 CAS: 75-94-5 HR: 3
TRICHLOROETHENYLSILANE

DOT: UN 1305

mf: C₂H₃Cl₃Si mw: 161.49

PROP: Fuming liquid. Bp: 90.6°, d: 1.265 @ 25/25°, flash p: 16°F.

SYNS: SILANE, VINYL TRICHLORO 1-150 □ TRICHLORO- (VINYL)SILANE □ TRICHLOROVINYL SILICANE □ UNION CARBIDE A-150 □ VINYL SILICON TRICHLORIDE □ VINYL TRICHLOROSILANE (DOT) □ VINYL TRICHLOROSILANE, INHIBITED (DOT)

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open AMIHBC 10,61,54
skn-rbt 625 mg open SEV UCDS** 1/19/72
eye-rbt 50 µg open SEV AMIHBC 10,61,54
orl-rat LD50:1280 mg/kg AMIHBC 10,61,54
ihl-rat LCLo:500 ppm/4H UCDS** 1/19/72
skn-rbt LD50:680 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Corrosive

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. A corrosive irritant to skin, eyes, and mucous membranes. A very dangerous fire hazard when exposed to heat or flame. Reacts violently with water, moist air, or steam to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.

TIO000 CAS: 515-83-3 HR: 2
2,2,2-TRICHLORO-1-ETHOXYETHANOL

mf: C₄H₇Cl₃O₂ mw: 193.46

PROP: Crystals. D: 1.143, mp: 53–54°, bp: 116°. Less sol in water than chloral hydrate; sol in org solvs.

SYNS: CHLORAL ALCOHOLATE □ CHLORAL ETHYLALCOHOLATE □ CHLORAL, ETHYL HEMIACETAL □ TRICHLOROACETALDEHYDE MONOETHYLACETAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:880 mg/kg JPETAB 78,340,43
orl-dog LDLo:1200 mg/kg JPETAB 78,340,43
orl-cat LDLo:500 mg/kg JPETAB 78,340,43
orl-rbt LDLo:1100 mg/kg JPETAB 78,340,43

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 ALDEHYDES.

TIO500 CAS: 107-69-7 HR: 2
TRICHLOROETHYL CARBAMATE

mf: C₃H₄Cl₃NO₂ mw: 192.43

PROP: Needles from ligroin. Mp: 64–65°.

SYNS: CARBAMIC ACID, 2,2,2-TRICHLOROETHYL ESTER □ 2,2,2-TRICHLOROETHANOL CARBAMATE □ VOLUNTAL

TOXICITY DATA with REFERENCE:

mno-sat 20 µmol/plate CNREA8 40,1194,80
ipr-mus TDLo:3250 mg/kg/13W-I:NEO JNCIAM 8,99,47
orl-mus LDLo:750 mg/kg LDTU** -,31
ipr-mus LD50:500 mg/kg JNCIAM 8,99,47

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also ESTERS and CARBAMATES.

TIO750 CAS: 79-01-6 HR: 3

TRICHLOROETHYLENE**DOT:** UN 1710mf: C₂HCl₃ mw: 131.38

PROP: Clear, colorless, nonflammable, mobile liquid; characteristic sweet odor of chloroform. D: 1.4649 @ 20°/4°, bp: 86.7°, mp: -84°, fp: -86.8°, autoign temp: 788°F, vap press: 100 mm @ 32°, vap d: 4.53, refr index: 1.477 @ 20°. Immisc with water; misc with alc, ether, acetone, carbon tetrachloride. Insol in H₂O; sol in most org solvs. IDLH 1000 ppm.

SYNS: ACETYLENE TRICHLORIDE □ ALGYLEN □ ANAMENTH □ BENZINOL □ BLACOSOLV □ CECOLENE □ 1-CHLORO-2,2-DICHLOROETHYLENE □ CHLORYLEA □ CHORYLEN □ CIRCOSOLV □ CRAWHASPOL □ DENSINFLUAT □ 1,1-DICHLORO-2-CHLOROETHYLENE □ DOW-TRI □ DUKERON □ ETHINYL TRICHLORIDE □ ETHYLENE TRICHLORIDE □ FLECK-FLIP □ FLUATE □ GERMALGENE □ LANADIN □ LETHURIN □ NARCOGEN □ NARKOSOID □ NCI-C04546 □ NIALK □ PERM-A-CHLOR □ PETZINOL □ RCRA WASTE NUMBER U228 □ THRETHYLENE □ TRIAD □ TRIASOL □ TRICHOORETHEEN (DUTCH) □ TRICHLORAETHEN (GERMAN) □ TRICHLORAETHYLEN (GERMAN) □ TRICHLORAN □ TRICHLORETHENE (FRENCH) □ TRICHLORETHYLENE (FRENCH) □ TRICHLOROETHENE □ 1,2,2-TRICHLOROETHYLENE □ TRI-CLENE □ TRICLORETENE (ITALIAN) □ TRICHLOROETILENE (ITALIAN) □ TRIELINA (ITALIAN) □ TRILENE □ TRIMAR □ TRI-PLUS □ VESTROL □ VITRAN □ WESTROSOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,28,72
eye-rbt 20 mg/24H MOD 28ZPAK -,28,72
mmo-asn 2500 ppm MUREAV 155,105,85
otr-ham:emb 5 mg/L CRNGDP 4,291,83
ihl-rat TCLo:100 ppm/4H (female 6-22D post):TER JPHYA7 276,24P,78
ihl-ham TCLo:100 ppm/6H/77W-I:ETA ARTODN 43,237,80
orl-man TDL:2143 mg/kg:GIT 34ZIAG -,602,69
ihl-hmn TCLo:6900 mg/m³/10M:CNS AHBAAM 116,131,36
ihl-hmn TCLo:160 ppm/83M:CNS AIHAAP 23,167,62
ihl-hmn TDL:812 mg/kg:CNS,GIT,LIV BMJOAE 2,689,45
ihl-man TCLo:110 ppm/8H:EYE,CNS BJIMAG 28,293,71
orl-rat LD50:5650 mg/kg JACTDZ 1,713,92
ipr-rat LD50:1282 mg/kg ENVRAL 40,411,86
orl-hmn LDLo:7 g/kg ARTODN 35,295,76
ihl-rat LC50:25,700 ppm/1H TXAPA9 42,417,77
orl-mus LD50:2402 mg/kg NTIS** AD-A080-636
ihl-mus LC50:8450 ppm/4H APTOA6 9,303,53
ivn-mus LD50:33,900 µg/kg CBCCT* 6,141,54
ipr-dog LD50:1900 mg/kg TXAPA9 10,119,67
scu-dog LDLo:150 mg/kg HBTXAC 5,76,59
ivn-dog LDLo:150 mg/kg QJPPAL 7,205,34
orl-cat LDLo:5864 mg/kg HBTXAC 5,76,59
orl-rbt LDLo:7330 mg/kg HBTXAC 5,76,59
scu-rbt LDLo:1800 mg/kg QJPPAL 7,205,34
ihl-gpg LCLo:37,200 ppm/40M HBTXAC 5,76,59

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 3 IMEMDT 7,364,87; Animal Limited Evidence IMEMDT 20,545,79;

Human Inadequate Evidence IMEMDT 20,545,79; Animal Sufficient Evidence IMEMDT 11,263,76. NCI Carcinogenesis Bioassay (gavage); No Evidence: rat NCITR* NCI-CG-TR-2,76; (gavage); Clear Evidence: mouse NCITR* NCI-CG-TR-2,76. Community Right-To-Know List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

OSHA PEL: TWA 50 ppm; STEL 200 ppm**ACGIH TLV:** TWA 50 ppm; 100 STEL; Not Suspected as a Human Carcinogen; BEI: 100 mg(trichloroacetic acid)/g creatinine in urine at end of workweek**DFG MAK:** Confirmed Human Carcinogen; BAT: 500 µg/dL in blood at end of shift or workweek**NIOSH REL:** (Trichloroethylene) TWA 250 ppm; (Waste Anesthetic Gases) CL 2 ppm/1H**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and teratogenic data. Experimental poison by intravenous and subcutaneous routes. Moderately toxic experimentally by ingestion and intraperitoneal routes. Mildly toxic to humans by ingestion and inhalation. Mildly toxic experimentally by inhalation. Human systemic effects by ingestion and inhalation: eye effects, somnolence, hallucinations or distorted perceptions, gastrointestinal changes, and jaundice. Experimental reproductive effects. Human mutation data reported. An eye and severe skin irritant. Inhalation of high concentrations causes narcosis and anesthesia. A form of addiction has been observed in exposed workers. Prolonged inhalation of moderate concentrations causes headache and drowsiness. Fatalities following severe, acute exposure have been attributed to ventricular fibrillation resulting in cardiac failure. There is damage to liver and other organs from chronic exposure. A common air contaminant.

Nonflammable, but high concentrations of trichloroethylene vapor in high-temperature air can be made to burn mildly if plied with a strong flame. Though such a condition is difficult to produce, flames or arcs should not be used in closed equipment that contains any solvent residue or vapor. Reacts with alkali, epoxides, e.g., 1-chloro-2,3-epoxypropane, 1,4-butanediol mono-2,3-epoxypropylether, 1,4-butanediol di-2,3-epoxypropylether, 2,2-bis[(4(2',3'-epoxypropoxy)phenyl)propane] to form the spontaneously flammable gas dichloroacetylene. Can react violently with Al, Ba, N₂O₄, Li, Mg, liquid O₂, O₃, KOH, KNO₃, Na, NaOH, Ti. Reacts with water under heat and pressure to form HCl gas. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Trichloroethylene, 1022; Trichloroethylene by Portable GC, 3701.

TIP000**HR: 2** **α -TRICHLOROETHYLIDENE GLYCEROL**mf: C₅H₇Cl₃O₃ mw: 221.47**SYN:** α -2-(TRICHLOROMETHYL)-1,3-DIOXOLANE-4-METHANOL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:920 mg/kg JPETAB 81,72,44

ivn-mus LD50:520 mg/kg JPETAB 81,72,44

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

TIP250 **HR: 2**
 β -TRICHLOROETHYLIDENE GLYCEROL

mf: $\text{C}_5\text{H}_7\text{Cl}_3\text{O}_3$ mw: 221.47

SYN: β -2-(TRICHLOROMETHYL)-1,3-DIOXOLANE-4-METHANOL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:959 mg/kg JPETAB 81,72,44

ivn-mus LD50:518 mg/kg JPETAB 81,72,44

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

TIP300 **CAS: 306-52-5** **HR: 2**
TRICHLOROETHYL PHOSPHATE

mf: $\text{C}_2\text{H}_4\text{Cl}_3\text{O}_4\text{P}$ mw: 229.38

SYNS: ETHANOL, 2,2,2-TRICHLORO-, DIHYDROGEN PHOSPHATE \square PHOSPHORIC ACID, 2,2,2-TRICHLOROETHYL ESTER \square SCH 10159 \square 2,2,2-TRICHLOROETHYL PHOSPHATE \square TRICLOFOS \square TRICLOS

TOXICITY DATA with REFERENCE:

orl-rat LD50:850 mg/kg GISAAA 33(11),101,68

orl-mus LD50:850 mg/kg GISAAA 33(11),101,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TIP400 **CAS: 359-29-5** **HR: 2**
TRICHLOROFLUOROETHYLENE

mf: $\text{C}_2\text{Cl}_3\text{F}$ mw: 149.38

SYN: ETHYLENE, TRICHLOROFLUORO-

TOXICITY DATA with REFERENCE:

ihl-mus LC50:26,680 mg/ m^3 /2H VCVGH*,660,1990

orl-mus LD50:3,839 mg/kg VCVGH*,660,1990

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

TIP500 **CAS: 75-69-4** **HR: 2**
TRICHLOROFLUOROMETHANE

mf: CCl_3F mw: 137.36

PROP: Colorless liquid. Mp: -111° , bp: 24.1° , d: 1.484 @ 17.2° .

SYNS: ALGOFRENE TYPE 1 \square ARCTON 9 \square ELECTRO-CF 11 \square ESKIMON 11 \square FLUOROCARBON No. 11 \square FLUORO-TRICHLOROMETHANE (OSHA) \square FLUOROTROJCHLORO-METAN (POLISH) \square FREON 11 \square FREON MF \square FRIGEN 11 \square GENETRON 11 \square HALOCARBON 11 \square ISCEON 131 \square ISOTRON 11 \square LEDON 11 \square MONOFLUOROTRICHLORO-METHANE \square NCI-C04637 \square RCRA WASTE NUMBER U121 \square TRICHLOROMONOFLUOROMETHANE \square UCON REFRIGERANT 11

TOXICITY DATA with REFERENCE:

ihl-hmn TDLo:50,000 ppm/30M:EYE,PUL,LIV EJTXAZ 9,385,76

ihl-rat LCLo:10 pph/20M AIHOAX 2,335,50

ihl-mus LC50:10 pph/30M EJTXAZ 9,385,76

ipr-mus LD50:1743 mg/kg TOIZAG 18,363,71

ihl-rbt LC50:25 pph/30M JETOAS 9,385,76

ihl-gpg LC50:25 pph/30M JETOAS 9,385,76

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (gavage); No Evidence: mouse NCITR* NCI-CG-TR-106,78; (gavage); Inadequate Studies: rat NCITR* NCI-CG-TR-106,78. Reported in EPA TSCA Inventory.

OSHA PEL: CL 1000 ppm

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

DFG MAK: 1000 ppm (5700 mg/ m^3)

SAFETY PROFILE: High concentrations cause narcosis and anesthesia in humans. Human systemic effects by inhalation: conjunctiva irritation, fibrosing alveolitis, and liver changes. Experimental poison by inhalation. Moderately toxic by intraperitoneal route. Reacts violently with aluminum, barium, or lithium. When heated to decomposition it emits highly toxic fumes of F^- and Cl^- . Used as an aerosol propellant, refrigerant, and blowing agent for polymeric foams. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Trichlorofluoromethane, 1006.

TIP600 **CAS: 57057-83-7** **HR: 2**
TRICHLOROGUAIACOL

mf: $\text{C}_7\text{H}_5\text{Cl}_3\text{O}_2$ mw: 227.47

SYNS: 2-METHOXY-TRICHLOROPHENOL \square PHENOL, 2-METHOXY-TRICHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2980 mg/kg TXAPA9 45,295,78

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

TIP630 **CAS: 2668-24-8** **HR: D**
4,5,6-TRICHLOROGUAIACOL

mf: $\text{C}_7\text{H}_5\text{Cl}_3\text{O}_2$ mw: 227.47

SYN: PHENOL, 6-METHOXY-2,3,4-TRICHLORO-

TOXICITY DATA with REFERENCE:

msc-ham-Ing 30 mg/L CMSHAF 14,1617,85

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

TIP750 **CAS: 4019-40-3** **HR: 3**
4',4'',5-TRICHLORO-2-HYDROXY-3-BIPHENYL-CARBOXANILIDE

mf: $\text{C}_{19}\text{H}_{12}\text{Cl}_3\text{NO}_2$ mw: 392.67

SYNS: 3-(4-CHLOROPHENYL)-4',5-DICHLOROSALICYLANILIDE \square CP 43858 \square 4',5-DICHLORO-N-(4-CHLOROPHENYL)-2-HYDROXY-(1,1'-BIPHENYL)-3-CARBOXAMIDE \square ENT 27,139 \square MONSANTO CP-43858 \square OM-1463

TOXICITY DATA with REFERENCE:

orl-rat LD50:2810 mg/kg ARSIM* 20,16,66

ipr-mus LD50:73 mg/kg BCPA6 18,1389,69

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

TIQ000 CAS: 3380-34-5 HR: 3
2,4,4'-TRICHLORO-2'-HYDROXYDIPHENYL
ETHER

mf: C₁₂H₇Cl₃O₂ mw: 289.54

PROP: Off-white crystalline powder or soft agglomerates. Mp: 54–57°. Insol in H₂O; sol in org solvs.

SYNS: CH 3565 □ 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL □ 2'-HYDROXY-2,4,4'-TRICHLORO-PHENYLETHER □ IRGASAN □ IRGASAN DP300 □ TCC □ TRICLOSAN

TOXICITY DATA with REFERENCE:

skn-hmn 750 µg/3D-I MLD 85DKA8 -,127,77
 dnr-bcs 5 mg/disc JOSCDQ 15,243,81
 orl-rat LD50:3700 mg/kg 26UZAB 6,245,68/70
 skn-rat LD50:9300 mg/kg 26UZAB 6,245,68/70
 scu-rat LD50:3900 mg/kg YKYUA6 28,985,77
 ivn-rat LD50:19 mg/kg TXAPA9 42,1,77
 orl-mus LD50:4530 mg/kg 26UZAB 6,245,68/70
 ipr-mus LD50:84 mg/kg YKYUA6 28,985,77

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

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Mildly toxic by skin contact. Mutation data reported. A human skin irritant. When heated to decomposition it emits toxic fumes of Cl⁻. See also ETHERS and CHLOROPHENOLS.

TIQ250 CAS: 52-68-6 HR: 3
(2,2,2-TRICHLORO-1-HYDROXYETHYL)
DIMETHYLPHOSPHONATE

DOT: NA 2783

mf: C₄H₈Cl₃O₄P mw: 257.44

PROP: Crystals. Sol in C₆H₆, EtOH; mod sol in H₂O; spar sol in Et₂O and pet ether.

SYNS: AEROL 1 (pesticide) □ AGROFOROTOX □ ANTHON □ BAY 15922 □ BAYER 15922 □ BAYER L 13/59 □ BILARCIL □ BOVINOX □ BRITON □ BRITTEN □ CEKUFON □ CHLORAK □ CHLORFOS □ CHLOROFOS □ CHLOROFTALM □ CHLOROPHOS □ CHLOROPHTHALM □ CHLOROXYPHOS □ CICLOSOM □ CLOROFOS (RUSSIAN) □ COMBOT EQUINE □ DANEX □ DEP (pesticide) □ DEPTHON □ DETF □ DIMETHOXY-2,2,2-TRICHLORO-1-HYDROXY-ETHYL-PHOSPHINE OXIDE □ O,O-DIMETHYL-(1-HYDROXY-2,2,2-TRICHLORAETHYL)-PHOSPHAT (GERMAN) □ O,O-DIMETHYL-(1-HYDROXY-2,2,2-TRICHLORAETHYL)PHOSPHONSAEURE ESTER (GERMAN) □ O,O-DIMETHYL-(1-HYDROXY-2,2,2-TRICHLORO)ETHYL PHOSPHATE □ DIMETHYL-1-HYDROXY-2,2,2-TRICHLOROETHYL PHOSPHONATE □ O,O-DIMETHYL-(1-HYDROXY-2,2,2-TRICHLOROETHYL)PHOSPHONATE □ O,O-DIMETHYL-1-OXY-2,2,2-TRICHLOROETHYL PHOSPHONATE □ O,O-DIMETHYL-(2,2,2-TRICHLORO-1-HYDROXY-ETHYL)-FOSFONAT (DUTCH) □ O,O-DIMETHYL-(2,2,2-TRICHLORO-1-HYDROXY-AETHYL)PHOSPHONAT (GERMAN) □ DIMETHYLTRICHLOROXYETHYL PHOSPHONATE □ DIMETHYL-2,2,2-TRICHLORO-1-HYDROXYETHYLPHOSPHONATE □ O,O-DIMETHYL-2,2,2-TRICHLORO-1-HYDROXYETHYL PHOSPHONATE □ O,O-DIMETIL-(2,2,2-TRICHLORO-1-IDROSSI-ETIL)-FOSFONATO (ITALIAN) □ DIMETOX □ DIPTERAX □ DIPTEREX □ DIPTEREX 50 □ DIPTEVUR □ DITRIFON □ DYLOX □ DYLOX-METASYSTOX-R □ DYREX □ DYVON □ ENT 19,763 □

EQUINO-ACID □ EQUINO-AID □ FLIBOL E □ FLIEGENTELLER □ FOROTOX □ FOSCHLOR □ FOSCHLOREM (POLISH) □ FOSCHLOR R-50 □ 1-HYDROXY-2,2,2-TRICHLOROETHYLPHOSPHONIC ACID DIMETHYL ESTER □ HYPODERMACID □ LEIVASOM □ LOISOL □ MASOTEN □ MAZOTEN □ METHYL CHLOROPHOS □ METIFONATE □ METRIFONATE □ METRIPHONATE □ NCI-C54831 □ NEGUVON □ NEGUVON A □ PHOSCHLOR R50 □ POLFOSCHLOR □ PROXOL □ RICIFON □ RITSIFON □ SATOX 20WSC □ SOLDEP □ SOTIPOX □ TRICHLORFON (DUTCH) □ TRICHLORFON (USDA, ACGIH) □ 2,2,2-TRICHLORO-1-HYDROXYETHYL-PHOSPHONATE, DIMETHYL ESTER □ (2,2,2-TRICHLORO-1-HYDROXYETHYL)PHOSPHONIC ACID DIMETHYL ESTER □ TRICHLOROPHON □ TRICHLORPHENE □ TRICHLORPHON □ TRICHLORPHON FN □ TRINEX □ TUGON □ TUGON FLY BAIT □ TUGON STABLE SPRAY □ VERMICIDE BAYER 2349 □ VOLFARTOL □ VOTEXIT □ WEC 50 □ WOTEXIT

TOXICITY DATA with REFERENCE:

eye-rbt 120 mg/6D-I MLD BUMMAB 9,7,55
 mma-ssp 20 mmol/L MUREAV 117,139,83
 dns-hmn:oth 4 mol/L PSSCBG 15,439,84
 ihl-hmn TCLo:1710 µg/m³/90D-I:SYS BJIMAG 43,414,86
 orl-rat LD50:250 mg/kg FMCHA2 -,C294,89
 ihl-rat LC50:1300 µg/m³ ARGEAR 48,112,78
 skn-rat LD50:2000 mg/kg ARGEAR 48,112,78
 ipr-rat LD50:160 mg/kg APCRAW 4,117,61
 scu-rat LD50:400 mg/kg JEENAI 50(3),356,57
 ims-rat LD50:395 mg/kg ARTODN 41,3,78
 orl-mus LD50:300 mg/kg SPEADM 74-1,-,74
 ipr-mus LD50:196 mg/kg TXAPA9 2,495,60
 scu-mus LD50:267 mg/kg ARZNAD 31,555,81
 ivn-mus LD50:290 mg/kg ARTODN 41,3,78

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 30,207,83. Community Right-To-Know List. EPA Genetic Toxicology Program.

ACGIH TLV: TWA 1 mg/m³; Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion, inhalation, intraperitoneal, subcutaneous, intravenous, and intramuscular routes. Moderately toxic by skin contact. Human systemic effects: true cholinesterase. Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Human mutation data reported. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and PO_x.

TIQ300 CAS: 38457-67-9 HR: D
(2,2,2-TRICHLORO-1-HYDROXYETHYL)-
PHOSPHORIC ACID, DIPHENYL ESTER

mf: C₁₄H₁₂Cl₃O₄P mw: 381.58

SYNS: O,O-DIPHENYL (1-HYDROXY-2,2,2-TRICHLORO-METHYL)PHOSPHONATE □ DIPHENYL (2,2,2-TRICHLORO-1-HYDROXYETHYL)PHOSPHONATE □ OXYPHOSPHONATE □ PHOSPHONIC ACID, (2,2,2-TRICHLORO-1-HYDROXYETHYL)-, DIPHENYL ESTER

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of PO_x and Cl⁻.

TIQ750 **CAS: 87-90-1** **HR: 2**
N,N',N''-TRICHLOROISOCYANURIC ACID
DOT: UN 2468

mf: C₃Cl₃N₃O₃ mw: 232.41

PROP: White crystals; chlorine odor. Mp: 248°. Moderately sol in water; sol in chlorinated solvs, very polar solvs.

SYNS: ACL 85 □ CBD 90 □ FICHLOR 91 □ FI CLOR 91 □ ISOCYANURIC CHLORIDE □ KYSELINA TRICHOISO-KYANUROVA (CZECH) □ NSC-405124 □ SYMCLOSEN □ SYMCLOSENE □ TRICHLORINATED ISOCYANURIC ACID □ TRICHLOROCYANURIC ACID □ TRICHLOROISOCYANIC ACID □ TRICHLOROISOCYANURIC ACID □ 1,3,5-TRICHLOROISOCYANURIC ACID □ TRICHLORO-s-TRIAZINETRIONE □ 1,3,5-TRICHLORO-1,3,5-TRIAZINETRIONE □ TRICHLORO-s-TRIAZINE-2,4,6-(1H,3H,5H)-TRIONE □ 1,3,5-TRICHLORO-2,4,6-TRIOXOHEXAHYDRO-s-TRIAZINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,153,72
 skn-rbt 500 mg SEV 34ZIAG -,167,69
 eye-rbt 50 µg/24H SEV 28ZPAK -,153,72
 eye-rbt 3125 mg MOD MONS** -,72
 orl-hmn LDLo:3570 mg/kg:GIT 34ZIAG -,167,69
 orl-rat LD50:406 mg/kg TXAPA9 42,417,77
 skn-rbt LD50:20 g/kg TXAPA9 42,417,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 5.1; Label: Oxidizer

SAFETY PROFILE: Moderately toxic to humans and experimentally by ingestion. Mildly toxic experimentally by skin contact. Human systemic effects by ingestion: ulceration or bleeding from stomach. A severe skin and eye irritant. Toxicity symptoms include emaciation, lethargy, weakness, and delayed death. Autopsy shows inflammation of gastrointestinal tract, liver discoloration, and kidney hyperemia.

A powerful oxidizer. Forms an explosive product with cyanuric acid + sodium hydroxide. Potentially violent reaction with combustible materials. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. Used to chlorinate swimming pools.

TIQ250 **CAS: 2633-54-7** **HR: 3**
TRICHLOROMETAPHOS-3

mf: C₉H₁₀Cl₃O₃PS mw: 335.57

SYNS: O,O-DIMETHYL-2-ETHYLMERCAPTOETHYL THIOPHOSPHATE □ O-METHYL-O-ETHYL-O-2,4,5-TRICHLOROPHENYL THIOPHOSPHATE □ TRICHLORMETAPOS-3 □ TRICHLORO-3-METHAPHOS

TOXICITY DATA with REFERENCE:

orl-rat LD50:360 mg/kg HYSAAV 31,18,66
 orl-rbt LDLo:400 mg/kg 85GMAT -,83,82

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻, PO_x, and SO_x. See also MERCAPTANS.

TIQ750 **CAS: 64057-58-5** **HR: 2**
TRICHLOROMETHYL ALLYL PERTHIOXANTHATE

mf: C₅H₅Cl₃S₃ mw: 267.63

SYNS: CARBONOTRITHIOIC ACID-2-PROPENYL-TRICHLOROMETHYL ESTER □ PERTHIOXANTHATE, TRICHLOROMETHYL ALLYL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2180 mg/kg AIHAAP 30,470,69
 skn-rbt LDLo:600 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x. See also ESTERS and ALLYL COMPOUNDS.

TIR800 **CAS: 2000-43-3** **HR: 2**
α-(TRICHLOROMETHYL)BENZENEMETHANOL

mf: C₈H₇Cl₃O mw: 225.50

SYNS: BENZENEMETHANOL, α-(TRICHLOROMETHYL)-(9CI) □ BENZYL ALCOHOL, α-(TRICHLOROMETHYL)- □ EFIRAN 99 □ PHENYL(TRICHLOROMETHYL)CARBINOL □ α-(TRICHLOROMETHYL)BENZYL ALCOHOL □ TRICHLOROMETHYLPHENYL CARBINOL

TOXICITY DATA with REFERENCE:

scu-rat LDLo:790 mg/kg JPETAB 24,405,24
 scu-rbt LDLo:1670 mg/kg JPETAB 24,405,24
 scu-frg LDLo:200 mg/kg JPETAB 24,405,24

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TIR900 **CAS: 5216-25-1** **HR: 3**
p-TRICHLOROMETHYLCHLOROBENZENE

mf: C₇H₄Cl₄ mw: 229.91

SYNS: BENZENE, 1-CHLORO-4-(TRICHLOROMETHYL)-(9CI) □ p-CHLOROBENZOTRICHORIDE □ 4-CHLOROBENZO-TRICHLORIDE □ p-CHLOROPHENYLTRICHLOROMETHANE □ 1-CHLORO-4-(TRICHLOROMETHYL)BENZENE □ p,α-α-α-TETRACHLOROTOLUENE □ α-α-α-4-TETRACHLOROTOLUENE □ TOLUENE, α-α-α-p-TETRACHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:820 mg/kg EPASR* 8EHQ-0281-0360
 ihl-rat LC50:125 mg/m³ GTPZAB 28(6),41,84
 orl-mus LD50:700 mg/kg GTPZAB 28(6),41,84
 ihl-mus LC50:125 mg/m³ GTPZAB 28(6),41,84
 skn-rbt LD50:>2 g/kg EPASR* 8EHQ-0281-0360

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

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

TIR920 **CAS: 503-38-8** **HR: 2**
TRICHLOROMETHYL CHLOROFORMATE

mf: C₂Cl₄O₂ mw: 197.82

SYNS: CARBONOCHLORIDIC ACID TRICHLOROMETHYL ESTER □ DIFOSGEN □ DIPHOSGEN □ DIPHOSGENE □ FORMIC ACID, CHLORO-, TRICHLOROMETHYL ESTER □ METHANOL, TRICHLORO-, CHLOROFORMATE □ TRICHLORMETHYLESTER KYSELINÝ CHLORMRAVENCI

TOXICITY DATA with REFERENCE:

ihl-mus LC50:3600 mg/m³/10M NTIS** PB158-508

ihl-rbt LCLo:900 mg/m³/15M FMORAO 19,5,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison, Corrosive

SAFETY PROFILE: Low toxicity by inhalation. A corrosive liquid. When heated to decomposition it emits toxic vapors of Cl⁻.

TIR990 CAS: 26259-90-5 HR: 3
1-(TRICHLOROMETHYLMERCAPTO)-4-METHYLPYRAZOLE

mf: C₅H₃Cl₃N₂S mw: 231.53

SYN: PYRAZOLE, 4-METHYL-1-((TRICHLOROMETHYL)THIO)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:1040 µL/kg AIHAAP 30,470,69

skn-rbt LD50:79 µL/kg AIHAAP 30,470,69

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

TIS100 CAS: 25726-97-0 HR: 3
1-(TRICHLOROMETHYLMERCAPTO)-PYRAZOLE

mf: C₄H₃Cl₃N₂S mw: 217.50

SYN: PYRAZOLE, 1-((TRICHLOROMETHYL)THIO)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:350 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:200 ppm/1H AIHAAP 30,470,69

skn-rbt LD50:63 µL/kg AIHAAP 30,470,69

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

TIS500 CAS: 25991-93-9 HR: 2
TRICHLOROMETHYL METHYL PERTHIOXANTHATE

mf: C₃H₃Cl₃S₃ mw: 241.59

SYNS: CARBONOTRITHIOIC ACID, METHYL TRICHLORO-METHYL ESTER □ PERTHIOXANTHATE, TRICHLORO-METHYL METHYL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1540 mg/kg AIHAAP 30,470,69

skn-rbt LDLo:1300 mg/kg AIHAAP 30,470,69

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

TIS750 CAS: 67632-66-0 HR: 3
TRICHLOROMETHYL PERCHLORATE

mf: CCl₄O₄ mw: 217.82

Cl₃COCIO₃

SYN: PERCHLORIC ACID, TRICHLOROMETHYL ESTER

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Extremely explosive; self-reactive. When heated to decomposition it emits toxic fumes of Cl⁻. See also PERCHLORATES.

TIT000 CAS: 90-17-5 HR: 1
TRICHLOROMETHYLPHENYL CARBINYL ACETATE

mf: C₁₀H₉Cl₃O₂ mw: 267.54

SYNS: ROSACETOL □ ROSE CRYSTALS □ α-(TRICHLOROMETHYL)BENZENEMETHANOL, ACETATE (9CI) □ α-(TRICHLOROMETHYL)BENZYL ALCOHOL, ACETATE (9CI)

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:6800 mg/kg FCTXAV 13,681,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of Cl⁻.

TIT050 CAS: 3567-79-1 HR: 2
3-TRICHLOROMETHYLTHIOBENZO-THIAZOLONE

mf: C₈H₄Cl₃NOS₂ mw: 300.60

SYNS: 2(3H)-BENZOTHAZOLONE, 3-((TRICHLOROMETHYL)THIO)- □ BENZOTHAZOL-2-ONE, 3-TRICHLOROMETHYL-THIO- □ 11,670 RP □ N-TRICHLOROMETHYLTHIOBENZO-THIAZOLONE □ TRICHLOROMETHYLTHIO-3-BENZO-THIAZOLONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:3350 mg/kg 28ZEAL 4,377,1969

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

TIT100 CAS: 3567-72-4 HR: 2
3-((TRICHLOROMETHYL)THIO)-2-BENZOXAZOLINONE

mf: C₈H₄Cl₃NO₂S mw: 284.54

SYNS: 2-BENZOXAZOLINONE, 3-((TRICHLOROMETHYL)THIO)- □ RP 11650

TOXICITY DATA with REFERENCE:

orl-mus LD50:2250 mg/kg 28ZEAL 5,200,1976

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

TIT250 CAS: 133-07-3 HR: 3
N-(TRICHLOROMETHYLTHIO)PHTHALIMIDE

mf: C₉H₄Cl₃NO₂S mw: 296.55

PROP: Crystals. Mp: 177°.

SYNS: FOLPAN □ FOLPET □ FTALAN □ ORTHOPHALTAN □ PHALTAN □ PHTHALTAN □ THIOPHAL □ N-(TRICHLOROMETHYLTHIO)-PHTHALAMID (GERMAN) □ N-(TRICHLOROMETHYLMERCAPTO)PHTHALIMIDE □ 2-((TRICHLOROMETHYL)THIO)-1H-ISOINDOLE-1,3(2H)-DIONE □ TROYSAN ANTI-MILDEW O

TOXICITY DATA with REFERENCE:

mno-sat 16 nmol/plate CRNGDP 2,283,81

dlt-rat-orl 500 mg/kg/5D FCTXAV 10,363,72

orl-rat LD50:7540 mg/kg GTPZAB 18(5),50,74

ipr-rat LD50:68,400 µg/kg JTEHD6 9,867,82

orl-mus LD50:1546 mg/kg GTPZAB 18(5),50,74

orl-rbt LD50:1115 mg/kg GTPZAB 18(5),50,74

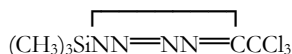
CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic and teratogenic data.

Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and SO_x . Used as a fungicide.

TIT275 CAS: 72385-44-5 HR: 3
5-TRICHLOROMETHYL-1-TRIMETHYLSILYL-TETRAZOLE

mf: $\text{C}_5\text{H}_9\text{Cl}_3\text{N}_4\text{Si}$ mw: 259.60



SAFETY PROFILE: Explodes when heated to 80–90°C. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

TIT500 CAS: 1321-65-9 HR: 3
TRICHLORONAPHTHALENE

mf: $\text{C}_{10}\text{H}_5\text{Cl}_3$ mw: 231.50

PROP: A white solid.

SYNS: HALOWAX □ NIBREN WAX □ SEEKAY WAX

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 mg/m³ (skin)

ACGIH TLV: TWA 5 mg/m³ (skin)

DFG MAK: 5 mg/m³

SAFETY PROFILE: A poison. The chlorinated naphthalenes have toxic effects on the skin and liver. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and POLYCHLORINATED BIPHENYLS.

TIT750 CAS: 89-69-0 HR: 3
2,4,5-TRICHLORONITROBENZENE

mf: $\text{C}_6\text{H}_2\text{Cl}_3\text{NO}_2$ mw: 226.44

PROP: Prisms from EtOH or CS_2 . Mp: 57°, bp: 288°.

SYN: 1,2,4-TRICHLORO-5-NITROBENZENE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:1070 mg/kg AEECTCV 14,111,85

orl-bwd 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 very toxic fumes of Cl^- and NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and CHLORINATED HYDROCARBONS, AROMATIC.

TIV275 CAS: 7796-16-9 HR: 3
TRICHLOROPEROXYACETIC ACID

mf: $\text{C}_2\text{HCl}_3\text{O}_3$ mw: 179.39

SAFETY PROFILE: Very unstable, it decomposes to yield the toxic gases phosgene; chlorine; carbon monoxide; and hydrogen chloride. See also PEROXIDES.

TIV500 CAS: 933-75-5 HR: 3
2,3,6-TRICHLOROPHENOL

mf: $\text{C}_6\text{H}_3\text{Cl}_3\text{O}$ mw: 197.44

PROP: Colorless needles from pet ether. Mp: 58°, bp: 253°.

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate TECSY 14,143,87

cyt-ham:lng 200 mg/L MUREAV 241,175,90

ipr-rat LD50:308 mg/kg BJPCAL 13,20,58

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

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROPHENOLS.

TIV750 CAS: 95-95-4 HR: 3
2,4,5-TRICHLOROPHENOL

mf: $\text{C}_6\text{H}_3\text{Cl}_3\text{O}$ mw: 197.44

PROP: Colorless needles or gray flakes from pet ether; strong phenolic odor. Mp: 68°, bp: 252°, d: 1.678 @ 25°/4°, vap press: 1 mm @ 72.0°. Insol in water; sol in CCl_4 , alc, benzene, and ether.

SYNS: COLLUNOSOL □ DOWICIDE 2 □ DOWICIDE B □ NCI-C61187 □ NURELLE □ PREVENTOL I □ RCRA WASTE NUMBER U230

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate TECSY 14,143,87

mno-sat 10 µg/plate TECSY 14,143,87

orl-rat LD50:820 mg/kg FEPA7 2,76,43

ipr-rat LD50:355 mg/kg BJPCAL 13,20,58

scu-rat LD50:2260 mg/kg FEPA7 2,76,43

orl-mus LD50:600 mg/kg PHARAT 30,147,75

ivn-mus LD50:56 mg/kg CSLNX* NX#03492

CONSENSUS REPORTS: IARC Cancer Review: Human Limited Evidence IMEMDT 41,319,86; Animal Inadequate Evidence IMEMDT 20,349,79. Chlorophenol compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen with experimental neoplastigenic data. Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and explodes. See also CHLOROPHENOLS.

TIW000 CAS: 88-06-2 HR: 3
2,4,6-TRICHLOROPHENOL

mf: $\text{C}_6\text{H}_3\text{Cl}_3\text{O}$ mw: 197.44

PROP: Colorless needles from AcOH or yellow solid; strong phenolic odor. Mp: 68°, bp: 244.5°, fp: 62°, d: 1.490 @ 75°/4°, vap press: 1 mm @ 76.5°. Sol in water; very sol in alc and ether.

SYNS: DOWICIDE 2S □ NCI-C02904 □ OMAL □ PHENACHLOR □ RCRA WASTE NUMBER U231 □ 2,4,6-TRICHLOROPHENOL (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,525,86

eye-rbt 50 µg/24H SEV 28ZPAK -,80,72

eye-rbt 250 µg/24H SEV 85JCAE -,525,86

msc-mus:lyms 80 mg/L EMMUEG 12,85,88

mnt-ham:lng 30 mg/L MUREAV 280,175,92

orl-rat LD50:820 mg/kg PCOC** -,1176,66

ipr-rat LD50:276 mg/kg BJPCAL 13,20,58

orl-gpg LD50:1 g/kg FMCHA2 -,C310,91

orl-uns LD50:454 mg/kg GISAAA 45(10),16,80

skn-uns LD50:700 mg/kg GISAAA 45(10),16,80

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Animal Inadequate Evidence IMEMDT 20,349,79; Human Limited Evidence IMEMDT 41,319,86. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-155,79. Chlorophenol compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . Used as a germicide and preservative. See also CHLOROPHENOLS.

TIW100 CAS: 609-19-8 HR: 3
3,4,5-TRICHLOROPHENOL

mf: $\text{C}_6\text{H}_3\text{Cl}_3\text{O}$ mw: 197.44

SYN: PHENOL, 3,4,5-TRICHLORO-

TOXICITY DATA with REFERENCE:

sln-ham-lng 3 $\mu\text{mol/L}$ MUREAV 182,135,1987

ipr-rat LD50:372 mg/kg BJPCAL 13,20,1958

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

TIW750 CAS: 93-80-1 HR: D
4-(2,4,5-TRICHLOROPHENOXY)BUTYRIC ACID

mf: $\text{C}_{10}\text{H}_9\text{Cl}_3\text{O}_3$ mw: 283.54

SAFETY PROFILE: An experimental teratogen. When heated to decomposition it emits toxic fumes of Cl^- .

TIX000 CAS: 2122-77-2 HR: 2
2-(2,4,5-TRICHLOROPHENOXY)ETHANOL

mf: $\text{C}_8\text{H}_7\text{Cl}_3\text{O}_2$ mw: 241.50

SYNS: KLORINOL □ TCPE

TOXICITY DATA with REFERENCE:

sce-ham:ovr 100 mg/L CRNGDP 5,1725,84

orl-rat LD50:1500 mg/kg NTOTDY 5,503,83

orl-mus LD50:1320 mg/kg PBPHAW 14,82,78

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . Used as an agricultural chemical and pesticide.

TIX250 CAS: 25056-70-6 HR: 2
2,4,5-TRICHLOROPHENOXYETHYL- α,α,α -TRICHLOROACETATE

mf: $\text{C}_{10}\text{H}_6\text{Cl}_6\text{O}_3$ mw: 386.86

SYNS: HEXANATE □ TRICHLOROACETIC ACID-2-(2,4,5-TRICHLOROPHENOXY)ETHYL ESTER

TOXICITY DATA with REFERENCE:

unr-rat LD50:2090 mg/kg HYSAAV 34,174,69

unr-mus LD50:1200 mg/kg HYSAAV 34,174,69

unr-rbt LD50:2200 mg/kg HYSAAV 34,174,69

unr-gpg LD50:2700 mg/kg HYSAAV 34,174,69

SAFETY PROFILE: Moderately toxic by unspecified routes. When heated to decomposition it emits toxic fumes of Cl^- .

TIX500 CAS: 93-72-1 HR: 3
 α -(2,4,5-TRICHLOROPHENOXY)PROPIONIC ACID

mf: $\text{C}_9\text{H}_7\text{Cl}_3\text{O}_3$ mw: 269.51

PROP: Crystals. Mp: 182°. Sltly water-sol.

SYNS: ACIDE 2-(2,4,5-TRICHLORO-PHENOXY) PROPIONIQUE (FRENCH) □ ACIDO 2-(2,4,5-TRICHLORO-FENOSSE)-PROPIONICO (ITALIAN) □ AMCHEM 2,4,5-TP □ AQUA-VEX □ COLOR-SET □ DED-WEED □ DOUBLE STRENGTH □ FENOPROP □ FENORMONE □ FRUTTONE T □ HERBICIDES, SILVEX □ KURAN □ KURON □ KUROSAL □ MILLER NU SET □ PROPON □ RCRA WASTE NUMBER U233 □ SILVEX (USA) □ SILVI-RHAP □ STA-FAST □ 2,4,5-TC □ 2,4,5-TCPPA □ 2,4,5-TP □ 2-(2,4,5-TRICHLORO-FENOXY)-PROPIONZUUR (DUTCH) □ 2-(2,4,5-TRICHLOROPHENOXY)PROPIONIC ACID □ 2,4,5-TRICHLOROPHENOXY- α -PROPIONIC ACID □ 2-(2,4,5-TRICHLOR-PHENOXY)-PROPIONSÄURE (GERMAN) □ WEED-B-GON

TOXICITY DATA with REFERENCE:

orl-rat LD50:650 mg/kg RREVAH 10,97,65

orl-mus LD50:276 mg/kg RPZHAW 31,373,80

CONSENSUS REPORTS: IARC Cancer Review: Human Limited Evidence IMEMDT 41,357,86.

SAFETY PROFILE: A suspected carcinogen. Poison by ingestion. An experimental teratogen. When heated to decomposition it emits toxic fumes of Cl^- .

TIX750 CAS: 6047-17-2 HR: 2
2-(2,4,5-TRICHLOROPHENOXY)PROPIONIC ACID PROPYLENE GLYCOL BUTYL ETHER ESTER

mf: $\text{C}_{16}\text{H}_{21}\text{Cl}_3\text{O}_4$ mw: 383.72

PROP: Liquid. Insol in water.

SYN: KURON

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg PCOC** -,997,66

orl-mus LD50:2000 mg/kg PCOC** -,997,66

orl-rbt LD50:500 mg/kg PCOC** -,997,66

orl-gpg LD50:500 mg/kg PCOC** -,997,66

orl-ckn LD50:2000 mg/kg PCOC** -,997,66

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

SAFETY PROFILE: Moderately toxic by ingestion. Has caused experimental liver and kidney damage. When heated to decomposition it emits toxic fumes of Cl^- . See also ESTERS and GLYCOL ETHERS.

TIY250 CAS: 23399-90-8 HR: 2
2,4,6-TRICHLOROPHENYL ACETATE

mf: $\text{C}_8\text{H}_5\text{Cl}_3\text{O}_2$ mw: 239.48

PROP: Bp: 261–262°.

SYNS: 2,4,6-TRICHLORFENYLESTER KYSELINÝ OCTOVÉ (CZECH) □ 2,4,6-TRICHLOROPHENOL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,93,72

eye-rbt 100 mg/24H MOD 28ZPAK -,93,72

orl-rat LD50:2650 mg/kg 28ZPAK -,93,72

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

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

TIY500 CAS: 85-34-7 HR: 2
2,3,6-TRICHLOROPHENYLACETIC ACID

mf: $\text{C}_8\text{H}_5\text{Cl}_3\text{O}_2$ mw: 239.48

PROP: Colorless crystals. Mp: 156° . Spar sol in water.

SYNS: CHLORFENAC □ FENAB □ FENAC □ FENATROL □ KANEPAR □ TCPA □ 2,3,6-TRICHLOROBENZENEACETIC ACID □ 2,3,6-TRICHLOROPHENYLESSIGSAEURE (GERMAN) □ TRI-FEN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1780 mg/kg FMCHA2 -,D136,80

skn-rbt LD50:1440 mg/kg PEMNDP 8,149,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic fumes of Cl^- . An herbicide used for preemergence season-long control of weeds.

TIY750 CAS: 5337-60-0 HR: 3
TRI-o-CHLOROPHENYL BORATE

mf: $\text{C}_{18}\text{H}_{12}\text{BCl}_3\text{O}_3$ mw: 393.46

PROP: White solid; odor of o-chlorophenol. Mp: $47-49^\circ$, bp: $264-270^\circ$ @ 14 mm.

SYN: BORIC ACID, TRI-o-CHLOROPHENYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV 14KTAK -,706,64

orl-mus LDLo:230 mg/kg 14KTAK -,706,64

SAFETY PROFILE: Poison by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- . See also ESTERS and BORON COMPOUNDS.

TIY800 CAS: 4511-19-7 HR: 2
2,4,6-TRICHLOROPHENYL CHLOROFORMATE

mf: $\text{C}_7\text{H}_2\text{Cl}_4\text{O}_2$ mw: 259.89

SYNS: CARBONOCHELORIDIC ACID, 2,4,6-TRICHLOROPHENYL ESTER (9CI) □ FORMIC ACID, CHLORO-, 2,4,6-TRICHLOROPHENYL ESTER □ PHENOL, 2,4,6-TRICHLORO-, CHLOROFORMATE □ TL 399

TOXICITY DATA with REFERENCE:

ihl-mus LC: $>1770 \text{ mg/m}^3/10\text{M}$ NDRC** NDCrc-132,Nov,42

DOT CLASSIFICATION: 6.1; Label: Poison, Corrosive

SAFETY PROFILE: Low toxicity by inhalation. A corrosive liquid. When heated to decomposition it emits toxic vapors of Cl^- .

TJA000 CAS: 50355-74-3 HR: D
2,4,6-TRICHLORO-PHENYLDIMETHYL-TRIAZENE

mf: $\text{C}_8\text{H}_8\text{Cl}_3\text{N}_3$ mw: 252.54

SYNS: 3,3-DIMETHYL-1-(2,4,6-TRICHLOROPHENYL)-TRIAZINE □ 1-(2,4,6-TRICHLOROPHENYL)-3,3-DIMETHYL-TRIAZENE □ 2,4,6-TRICHLORO-PMdT □ 2,4,6-TRICHLORO-PMdT

TOXICITY DATA with REFERENCE:

sln-dmg-orl 500 $\mu\text{mol/L}/3\text{D-I}$ ARTODN 43,201,80

mnt-mus-ipr 50 mg/kg/24H MUREAV 56,319,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

TJA100 CAS: 25939-05-3 HR: 2
 α -(2,4,6-TRICHLOROPHENYL)HYDRAZONO BENZOYL CHLORIDE

mf: $\text{C}_{13}\text{H}_8\text{Cl}_4\text{N}_2$ mw: 334.03

SYNS: BANAMITE □ BENZOYL CHLORIDE, (2,4,6-TRICHLOROPHENYL)HYDRAZONE □ U-27,415

TOXICITY DATA with REFERENCE:

orl-rat LD50:718 mg/kg KSRNAM 6,2417,72

orl-mus LD50:1050 mg/kg KSRNAM 6,2417,72

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

TJA200 CAS: 1861-44-5 HR: 1
1-((2,3,6-TRICHLOROPHENYL)METHOXY)-2-PROPANOL

mf: $\text{C}_{10}\text{H}_{11}\text{Cl}_3\text{O}_2$ mw: 269.56

SYNS: HRS-587 □ 2-PROPANOL, 1-((2,3,6-TRICHLOROPHENYL)METHOXY)- □ 2-PROPANOL, 1-((2,3,6-TRICHLOROBENZYL)OXY)- □ TRITAC

TOXICITY DATA with REFERENCE:

eye-rbt 50 μL MLD NTIS** OTS0537063

SAFETY PROFILE: A mild eye irritant. When heated to decomposition it emits toxic vapors of Cl^- .

TJA500 CAS: 34320-82-6 HR: 2
1-(2,4,6-TRICHLOROPHENYL)-3-p-NITRO-ANILINO-2-PYRAZOLIN-5-ONE

mf: $\text{C}_{15}\text{H}_{11}\text{Cl}_3\text{N}_4$ mw: 353.65

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:1600 mg/kg KODAK* -,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

TJA750 CAS: 98-13-5 HR: 3
TRICHLOROPHENYLSILANE

DOT: UN 1804

mf: $\text{C}_6\text{H}_5\text{Cl}_3\text{Si}$ mw: 211.55

PROP: Liquid. Bp: 201° , d: 1.321, refr index: 1.5247.

SYNS: PHENYLSILICON TRICHLORIDE □ PHENYL TRICHLOROSILANE (DOT) □ SILICON PHENYL TRICHLORIDE

TOXICITY DATA with REFERENCE:

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

skn-rbt 500 mg/24H MOD 28ZPAK -,218,72

eye-rbt 250 μg SEV AMIHBC 10,61,54

eye-rbt 5 mg/24H SEV 28ZPAK -,218,72

orl-rat LD50:2390 mg/kg AMIHBC 10,61,54

ihl-mus LC50:330 $\text{mg/m}^3/2\text{H}$ TPKVAL (3),23,61

ivn-mus LD50:100 mg/kg CSLNX* NX#04051

skn-rbt LD50:890 mg/kg AMIHBC 10,61,54

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

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by inhalation and intravenous routes. Moderately toxic by ingestion and skin contact. A corrosive irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROSILANES.

TJB000 CAS: 7789-89-1 HR: 2

1,1,1-TRICHLOROPROPANE

mf: $\text{C}_3\text{H}_5\text{Cl}_3$ mw: 147.43

PROP: Oil. D: 1.372 @ 25°, mp: < -20°, bp: 106–108.5°. Insol in water; misc in alc, ether.

TOXICITY DATA with REFERENCE:

eye-hmn 100 ppm/15M JHTAB 28,262,46

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

eye-rbt 20 mg SEV AMIHBC 10,61,54

orl-rat LD50:7460 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:8000 ppm/4H AIHAAP 23,95,62

SAFETY PROFILE: Mildly toxic by ingestion and inhalation routes. A human eye irritant. An experimental skin and severe eye irritant. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.

TJB250 CAS: 598-77-6 HR: 2

1,1,2-TRICHLOROPROPANE

mf: $\text{C}_3\text{H}_5\text{Cl}_3$ mw: 147.43

TOXICITY DATA with REFERENCE:

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

eye-rbt 20 mg open SEV AMIHBC 10,61,54

orl-rat LD50:1230 mg/kg AMIHBC 10,61,54

ihl-rat LC50:2000 ppm/4H AMIHBC 10,61,54

skn-rbt LD50:14,100 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation and skin contact. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.

TJB500 CAS: 3175-23-3 HR: 2

1,2,2-TRICHLOROPROPANE

mf: $\text{C}_3\text{H}_5\text{Cl}_3$ mw: 147.43

PROP: D: 1.31 @ 20°/4°. Bp: 123°.

TOXICITY DATA with REFERENCE:

orl-rat LD50:1230 mg/kg UCDS**

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A human eye irritant. When heated to decomposition it emits toxic fumes of Cl^- . See also other trichloropropane entries and CHLORINATED HYDROCARBONS, ALIPHATIC.

TJB600 CAS: 96-18-4 HR: 3

1,2,3-TRICHLOROPROPANE

mf: $\text{C}_3\text{H}_5\text{Cl}_3$ mw: 147.43

PROP: Bp: 158°, d: 1.414 @ 20°/20°, flash p: 180°F (OC).

SYNS: ALLYL TRICHLORIDE □ GLYCEROL TRICHLORO-HYDRIN □ GLYCERYL TRICHLOROXYDRIN □ NCI-C60220 □ TRICHLOROXYDRIN

TOXICITY DATA with REFERENCE:

skn-rbt 700 mg open MLD UCDS** 3/20/73

eye-rbt 140 mg SEV UCDS** 3/20/73

mno-sat 100 nmol/plate ENMUDM 2,59,80

mma-sat 500 ng/plate ENMUDM 7(Suppl 3),15,85

orl-rat LD50:320 mg/kg UCDS** 3/20/73

ihl-rat LCLo:1000 ppm/4H AIHAAP 23,95,62

ihl-mus LC50:3400 mg/m³/2H 85GMAT -,114,82

orl-dog LDLo:200 mg/kg AJHYA2 16,325,32

skn-rbt LD50:1770 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 ppm

ACGIH TLV: TWA 10 ppm (skin); Animal Carcinogen

DFG MAK: Confirmed Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen. Poison by ingestion. Moderately toxic by inhalation and skin contact. Experimental reproductive effects. A skin and severe eye irritant. Mutation data reported. Moderately flammable by heat, flames (sparks), or powerful oxidizers. See also ALLYL COMPOUNDS and CHLORINATED HYDROCARBONS, ALIPHATIC. When heated to decomposition it yields highly toxic Cl^- . To fight fire, use water (as a blanket), spray, mist, dry chemical.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Hydrocarbons, Halogenated, 1003.

TJB750 CAS: 67664-94-2 HR: D

1,2,3-TRICHLOROPROPANE-2,3-OXIDE

mf: $\text{C}_3\text{H}_3\text{Cl}_3\text{O}$ mw: 161.41

SYNS: TCPO □ TRICHLOROPROPYLENE

TOXICITY DATA with REFERENCE:

mno-sat 500 µmol/L TOLED5 4,103,79

mno-klp 500 µmol/L MUREAV 89,269,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.

TJB775 CAS: 918-00-3 HR: D

1,1,1-TRICHLOROPROPANONE

mf: $\text{C}_3\text{H}_3\text{Cl}_3\text{O}$ mw: 161.41

SYNS: 2-PROPANONE, 1,1,1-TRICHLORO- □ α - α -TRICHLOROACETONE □ 1,1,1-TRICHLOROACETONE

TOXICITY DATA with REFERENCE:

mic-bac-sat 359 µg/plate MUREAV 155,53,85

cyt-ham-ovr 23 mg/L MUREAV 206,431,88

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

TJB800 CAS: 2567-14-8 HR: D

1,1,3-TRICHLOROPROPENEmf: C₃H₃Cl₃ mw: 145.41**SYNS:** 3,3-DICHLOROALLYL CHLORIDE □ 1-PROPENE, 1,1,3-TRICHLORO-**TOXICITY DATA with REFERENCE:**

sln-mold-asn 50 ppm MUREAV 266,117,92

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**TJC000 CAS: 96-19-5 HR: 2****1,2,3-TRICHLOROPROPENE**mf: C₃H₃Cl₃ mw: 145.41**PROP:** Bp: 142°, d: 1.414 @ 20/20°, flash p: 180°F (OC).**TOXICITY DATA with REFERENCE:**

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

eye-rbt 50 mg MOD UCDS** 5/4/60

mmo-sat 100 nmol/plate ENMUDM 2,59,80

mma-sat 100 nmol/plate ENMUDM 2,59,80

orl-rat LD50:616 mg/kg UCDS** 5/4/60

ihl-rat LCLo:500 ppm/4H UCDS** 5/4/60

skn-rbt LD50:640 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion, inhalation, and skin contact. Mutation data reported. An eye and severe skin irritant. Combustible when exposed to heat, flames (sparks) or powerful oxidizers. To fight fire, use water (as a blanket), spray, mist, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.**TJC050 CAS: 2233-00-3 HR: D****3,3,3-TRICHLOROPROPENE**mf: C₃H₃Cl₃ mw: 145.41**SYNS:** PROPENE, 3,3,3-TRICHLORO-(6Cl,7Cl,8Cl) □ 1-PROPENE, 3,3,3-TRICHLORO- □ 3,3,3-TRICHLORO-1-PROPENE □ 3,3,3-TRICHLOROPROPYLENE**TOXICITY DATA with REFERENCE:**

dnd-mus-ipr 300 mg/kg MUREAV 242,187,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**TJC100 CAS: 16212-28-5 HR: 2****2,3,3-TRICHLORO-2-PROPENENITRILE**mf: C₃Cl₃N mw: 156.39**SYNS:** ACRYLONITRILE, TRICHLORO-(8Cl) □ ACRYLONITRILE, 2,3,3-TRICHLORO- □ 2-PROPENENITRILE, 2,3,3-TRICHLORO-(9Cl) □ TL 391 □ TRICHLOROACRYLONITRILE □ α-β,β-TRICHLOROACRYLONITRILE**TOXICITY DATA with REFERENCE:**ihl-mus LCLo:2000 mg/m³/10M NDRC** NDCrc-132,OCT42**SAFETY PROFILE:** Moderately toxic by inhalation. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**TJC250 CAS: 3083-23-6 HR: 3****1,1,1-TRICHLOROPROPENE-2,3-OXIDE**mf: C₃H₃Cl₃O mw: 161.41**SYNS:** 1,2-EPOXY-3,3,3-TRICHLOROPROPANE □ 1,1,1-TRICHLORO-2-3-EPOXYPROPANE □ (TRICHLORO-METHYL)OXIRANE □ TRICHLOROPROPANE OXIDE □ TRICHLOROPROPENE OXIDE □ 1,1,1-TRICHLOROPROPENE OXIDE □ 3,3,3-TRICHLOROPROPENE OXIDE □ 1,1,1-TRICHLOROPROPYLENE OXIDE □ 3,3,3-TRICHLOROPROPYLENE OXIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 740 µg/plate APSXAS 17,189,80

sln-dmg-orl 500 ppm ENMUDM 7,677,85

sce-hmn:lym 50 µmol/L MUREAV 91,243,81

ipr-rat LD50:142 mg/kg TXAPA9 52,422,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal route. Human mutation data reported. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.**TJC500 CAS: 3266-39-5 HR: D**
2,3,3-TRICHLORO-2-PROPEN-1-OLmf: C₃H₃Cl₃O mw: 161.41**TOXICITY DATA with REFERENCE:**

mmo-sat 1 nmol/plate MUREAV 78,113,80

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.**TJC750 CAS: 7789-90-4 HR: 3**
2,2,3-TRICHLOROPROPIONALDEHYDEmf: C₃H₃Cl₃O mw: 161.41**TOXICITY DATA with REFERENCE:**

mmo-sat 1 nmol/plate MUREAV 78,113,80

orl-rat LD50:240 mg/kg AIHAAP 23,95,62

skn-rbt LDLo:710 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also ALDEHYDES and CHLORINATED HYDROCARBONS, ALIPHATIC.**TJC800 CAS: 12408-07-0 HR: 3**
TRICHLOROPROPIONITRILEmf: C₃H₂Cl₃N mw: 158.41**SYNS:** PROPANENITRILE, TRICHLORO- □ PROPIONITRILE, TRICHLORO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:250 mg/kg HYSAAV 34(5),274,69

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.**TJC850 CAS: 813-74-1 HR: 3**
2,2,3-TRICHLOROPROPIONITRILEmf: C₃H₂Cl₃N mw: 158.41**SYNS:** PROPANENITRILE, 2,2,3-TRICHLORO- □ PROPIONITRILE, 2,2,3-TRICHLORO- □ 2,2,3-TRICHLOROPROPANNITRIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:250 mg/kg 85JCAE -,908,1986
 orl-mus LD50:250 mg/kg 85JCAE -,908,1986
 ihl-mus LC :>3 g/m³/10M NDRC** NDCrc-132,June,1942
 orl-gpg LD50:250 mg/kg 85JCAE -,908,1986

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

TJC870 CAS: 26248-87-3 HR: 2
TRI(CHLOROPROPYL) PHOSPHATE

mf: C₉H₁₈Cl₃O₄P mw: 327.59

SYNS: 1-PROPANOL, CHLORO-, PHOSPHATE (3:1) □ FG 8115
 □ FG 8115S □ 1-PROPANOL, 2-CHLORO-, PHOSPHATE (3:1),
 MIXED WITH 1-CHLORO-2-PROPANOL PHOSPHATE (3:1) □
 TRIS(CHLOROPROPYL)PHOSPHATE □ TRIS(MONOCHLORO-
 PROPYL) PHOSPHATE

TOXICITY DATA with REFERENCE:

mic-sat 1 μmol/plate MUREAV 66,373,1979
 orl-rat LD50:1500 mg/kg OYYAA 24,697,1982

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of PO_x and Cl⁻.

TJC900 CAS: 6515-09-9 HR: 3
2,3,6-TRICHLOROPYRIDINE

mf: C₅H₂Cl₃N mw: 182.43

SYN: PYRIDINE, 2,3,6-TRICHLORO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:150 mg/kg TXAPA 9,1361,67

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

TJD500 CAS: 10025-78-2 HR: 3
TRICHLOROSILANE

DOT: UN 1295

mf: Cl₃HSi mw: 135.45

PROP: Colorless, very volatile fuming liquid. Mp: -126.5°, bp: 31.8°, flash p: -18.4°F (OC), d: 1.35 @ 0°, vap press: 400 mm @ 14.5°, vap d: 4.7, autoign temp: 219°F. Sol in benzene, carbon disulfide, chloroform, carbon tetrachloride. Fumes in air. Decomp in water.

SYNS: SILICI-CHLOROFORME (FRENCH) □ SILICIUM-
 CHLOROFORM (GERMAN) □ SILICOCHLOROFORM □
 TRICHOORSILAAN (DUTCH) □ TRICHLOROMONOSILANE □
 TRICHLORSILAN (GERMAN) □ TRICHLOROSILANO (ITALIAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1030 mg/kg JIHTAB 31,60,49
 ihl-rat LCLo:1000 ppm/4H JIHTAB 31,343,49
 ihl-mus LC50:1500 mg/m³/2H 85GMAT -,114,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 4.3; Label: Dangerous When Wet, Flammable Liquid, Corrosive

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. A corrosive irritant to skin, eyes, and mucous membranes. A very dangerous fire hazard when exposed to heat, flame, or by chemical reaction. May be ignited by spark or impact. Spontaneously flammable in air.

Explosive reaction with acetonitrile + diphenyl sulfoxide. Will react with water or steam to produce heat and toxic and corrosive fumes. Can react vigorously with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.

TJD600 CAS: 2077-46-5 HR: 2
2,3,6-TRICHLOROTOLUENE

mf: C₇H₅Cl₃ mw: 195.47

SYNS: BENZENE, 1,2,4-TRICHLORO-3-METHYL- □ TOLUENE, 2,3,6-TRICHLORO-

TOXICITY DATA with REFERENCE:

orl-mus LD50:2000 mg/kg GISAAA 45(12),64,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJD650 CAS: 13940-94-8 HR: 2
α-α-p-TRICHLOROTOLUENE

mf: C₇H₅Cl₃ mw: 195.47

SYNS: BENZENE, 1-CHLORO-4-(DICHLOROMETHYL)-(9CI) □
 p-CHLOROBENZALCHLORIDE □ 4-CHLOROBENZAL-
 CHLORIDE □ 4-CHLOROBENZYLIDENE CHLORIDE □ p-
 (DICHLOROMETHYL)BENZYL CHLORIDE □ TOLUENE, α-α',p-
 TRICHLORO-

TOXICITY DATA with REFERENCE:

unr-rat LD50:1875 mg/kg GISAAA 54(8),74,89
 unr-mus LD50:2750 mg/kg GISAAA 54(8),74,89
 unr-gpg LD50:3750 mg/kg GISAAA 54(8),74,89

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJD750 CAS: 108-77-0 HR: 3
2,4,6-TRICHLOROTRIAZINE

DOT: UN 2670

mf: C₃Cl₃N₃ mw: 184.41

PROP: Monoclinic, colorless crystals from C₆H₆; pungent odor. Mp: 154°, bp: 190°, d: 1.32 @ 20°/4°, vap press: 2 mm @ 70°, vap d: 6.36. Contains 96.9% cyanuric chloride; the remainder is cyanuric acid (VOONAW 12(4),78,66).

SYNS: CHLOROTRIAZINE □ CYANURCHLORIDE □
 CYANURIC ACID CHLORIDE □ CYANURIC CHLORIDE (DOT)
 □ CYANURIC TRICHLORIDE (DOT) □ CYANURYL CHLORIDE
 □ KYANURCHLORID (CZECH) □ s-TRIAZINE TRICHLORIDE
 □ TRICHLOROCYANIDINE □ TRICHLORO-s-TRIAZINE □ sym-
 TRICHLOROTRIAZINE □ 1,3,5-TRICHLOROTRIAZINE □ 2,4,6-
 TRICHLORO-s-TRIAZINE □ 2,4,6-TRICHLORO-1,3,5-TRIAZINE
 □ sym-TRICHLOROTRIAZIN (CZECH) □ TRICYANOGEN
 CHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,152,72

eye-rbt 50 μg/24H SEV 28ZPAK -,152,72

orl-rat TDLo:20 g/kg/73W-I:ETA,REP VOONAW 12(4),78,66

orl-rat TDLo:2800 mg/kg/28D-C TOXID9 12,119,92

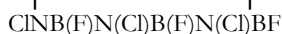
ihl-rat TClO:1880 µg/m³/4H/11W-I GTPZAB 12(8),35,68
 orl-rat LD50:485 mg/kg 85GMAT -,114,82
 orl-mus LD50:350 mg/kg 85GMAT -,114,82
 ihl-mus LClO:10 mg/m³/2H 85GMAT -,114,82
 ivn-mus LD50:18 mg/kg CSLNX* NX#07336

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by ingestion, inhalation, and intravenous routes. Questionable carcinogen with experimental tumorigenic data. Experimental reproductive effects. A corrosive. A skin and severe eye irritant. An allergen. Has been reported as causing irritation of mucous membranes and heart rhythm disturbances in humans. Violent reaction with water (above 30°C), acetone + water, methanol, methanol + sodium hydrogen carbonate, 2-ethoxyethanol, dimethyl formamide, 3-butanone + sodium hydroxide + water, allyl alcohol + sodium hydroxide + water (at 28°C). When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHLORIDES.

TJE050 CAS: 56943-26-1 HR: 3
1,3,5-TRICHLORO-2,4,6-TRIFLUOROBORAZINE
 mf: B₃Cl₃F₃N₃ mw: 237.80



OSHA PEL: TWA 2.5 mg(F)/m³

ACGIH TLV: TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.

NIOSH REL: (Fluorides, Inorganic) TWA 2.5 mg(F)/m³

SAFETY PROFILE: Explodes on contact with water. When heated to decomposition it emits toxic fumes of F⁻, Cl⁻, and NO_x. See also BORON COMPOUNDS and BORAZINE.

TJE100 CAS: 354-58-5 HR: 3
1,1,1-TRICHLORO-2,2,2-TRIFLUOROETHANE
 mf: C₂Cl₃F₃ mw: 187.37

SYNS: FC 113 □ FC133a □ FREON FT □ PRECISION CLEANING AGENT □ TF □ T-WD602 □ TRICHLORO-TRIFLUOROETHANE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:13 pph/15M HUTODJ 1,239,82

ipr-mus LD50:8600 mg/kg EJTAAZ 7,247,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJE200 CAS: 2631-68-7 HR: 3
1,3,5-TRICHLORO-2,4,6-TRINITROBENZENE
 mf: C₆Cl₃N₃O₆ mw: 316.44

SYNS: BENZENE, 1,3,5-TRICHLORO-2,4,6-TRINITRO- □ BULBOSAN □ TCTNB □ sym-TRICHLOROTRINITROBENZENE □ TRICHLORO-1,3,5-TRINITROBENZENE

TOXICITY DATA with REFERENCE:

ihl-rat LClO:684 mg/m³/1H NTIS** UCRL-13701

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJE300 CAS: 15617-30-8 HR: 3
TRICHLOROTRIS(PYRIDINE)RHODIUM SESQUIHYDRATE

mf: C₁₅H₁₅Cl₃N₃Rh•3/2H₂O mw: 473.59

PROP: IDLH 100 mg/m³ (as Rh).

SYNS: NSC 182041 □ RHODIUM, TRICHLOROTRIS(PYRIDINE)-, SESQUIHYDRATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:119 mg/kg NCISP* JAN1986

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

TJE750 CAS: 6379-69-7 HR: 3
TRICHOHECIN

mf: C₁₉H₂₄O₅ mw: 332.43

PROP: Slender needles from pet ether. Mp: 118°. Sol in CHCl₃, C₆H₆, EtOH, and Me₂CO; sltly sol in water; very sol in org solvs.

SYNS: 12,13-EPOXY-4-HYDROXYTRICHOHEC-9-EN-8-ONE CROTONATE □ 12,13-EPOXY-4-((1-OXO-2-BUTENYL)OXY)-TRICHOHEC-9-EN-8-ONE

TOXICITY DATA with REFERENCE:

skn-gpg 332 ng MLD FAATDF 4(2, Pt 2),S124,84

ivn-mus LD50:300 mg/kg 85GDA2 6,182,81

scu-rbt LDLo:250 mg/kg JGMIAN 12,213,55

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. A skin irritant. When heated to decomposition it emits acid smoke and irritating fumes. See also FUSARENONE.

TJE870 CAS: 35943-35-2 HR: 3
TRICIRIBINE

mf: C₁₃H₁₆N₆O₄ mw: 320.35

SYNS: 3-AMINO-1,5-DIHYDRO-5-METHYL-1-β-d-RIBOFURANOSYL-1,4,5,6,8-PENTAAZAACENAPHTHYLENE □ 1,5-DIHYDRO-5-METHYL-1-β-d-RIBOFURANOSYL-1,4,5,6,8-PENTAAZAACENAPHTHYLEN-3-AMINE □ NSC-154020 □ PENTAAZACENTOPHTHYLENE

TOXICITY DATA with REFERENCE:

dni-mus:leu 90 nmol/L BCPCA6 27,233,78

oms-mus:leu 90 nmol/L BCPCA6 27,233,78

oms-mus:leu 100 nmol/L CNREA8 45,6355,85

ipr-mus LD50:150 mg/kg NCISP* JAN86

scu-mus LD50:199 mg/kg NCISP* JAN86

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

TJE875 HR: 3
TRICIRIBINE PHOSPHATE HYDRATE

mf: C₁₃H₁₇N₆O₇P•H₂O mw: 418.35

SYNS: NSC-280594 HYDRATE □ PENTAAZAACENAPHTHYLENE-5'-PHOSPHATE ESTER MONOHYDRATE

TOXICITY DATA with REFERENCE:

ivn-mus TDLo:234 mg/kg (1D male):REP NTIS** PB82-148404

ivn-mus LD50:257 mg/kg NTIS** PB82-148404

ivn-dog LDLo:33,800 µg/kg NTIS** PB82-148404

SAFETY PROFILE: Poison by intravenous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of PO_x and NO_x.

TJE880 CAS: 79-90-3 HR: 3
TRICLOBISONIUM CHLORIDE

mf: C₃₆H₇₄N₂•2Cl mw: 606.02

PROP: White, crystalline powder. Mp: 243–253° (decomp). Sol in water, chloroform, alc.

SYNS: RO-5-0810/1 □ TRIBURON □ TRIBURON CHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:375 mg/kg ANTCAO 9,267,59

ipr-mus LD50:35 mg/kg ANTCAO 9,267,59

scu-mus LD50:154 mg/kg JMCMA 6,780,63

ivn-mus LD50:12,500 µg/kg ANTCAO 9,267,59

ivn-dog LDLo:8 mg/kg ANTCAO 9,267,59

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes.

When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHLORIDES.

TJE885 CAS: 3735-81-7 HR: D
TRICLOFOS-METHYL

mf: C₄H₈Cl₃O₄P mw: 257.44

SYNS: DIMETHYL TRICHLOROETHYL PHOSPHATE □ HIPODERMIN □ PHOSPHORIC ACID, DIMETHYL 2,2,2-TRICHLOROETHYL ESTER

TOXICITY DATA with REFERENCE:

mic-sat 99 pph SYSWAE 12,41,1979

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

TJE890 CAS: 55335-06-3 HR: 2
TRICLOPYR

mf: C₇H₄Cl₃NO₃ mw: 256.47

PROP: Fluffy solid. Mp: 148–150°, vap press: at 25°: 0.00000126 mm Hg. Subject to photolysis. Sol in water at 25°: 440 mg/L. Sol at 25° (g/kg): acetone 989, 1-octanol 307.

SYNS: DOWCO 233 □ GARLON □ 3,5,6-TRICHLORO-2-PYRIDYLOXYACETIC ACID

TOXICITY DATA with REFERENCE:

orl-rat TDLo:2 g/kg (6-15D preg):TER FAATDF 4,872,84

orl-rat LD50:630 mg/kg FMCHA2 -,C242,83

orl-rbt LD50:550 mg/kg PEMNDP 8,824,87

orl-gpg LD50:310 mg/kg PEMNDP 8,824,87

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. Used as an herbicide. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

TJF000 CAS: 62973-76-6 HR: 2
TRICLOSE

mf: C₁₀H₁₀N₆O₂ mw: 246.26

PROP: Bright-yellow powder. Mp: 232–235°.

SYNS: 2-AMINO-4-((E)-2-(1-METHYL-5-NITRO-1H-IMIDAZOL-2-YL)ETHENYL)PYRIMIDINE □ (E)-2-AMINO-4-(2-(1-METHYL-5-NITROIMIDAZOL-2-YL)VINYLY)PYRIMIDINE □ AZANIDAZOLE □ 4-((E)-2-(1-METHYL-5-NITRO-1H-IMIDAZOL-2-YL)-AETHENYL)-2-PYRIMIDINAMIN (GERMAN) □ 4-((E)-2-(1-METHYL-5-NITRO-1H-IMIDAZOL-2-YL)-ETHENYL)-2-PYRIMIDINAMINE □ NITROMIDINE

TOXICITY DATA with REFERENCE:

mno-sat 18 µmol/L TCMUD8 3,51,83

orl-rat LD50:7600 mg/kg ARZNAD 28,2251,78

ipr-rat LD50:860 mg/kg ARZNAD 28,2251,78

orl-mus LD50:5100 mg/kg ARZNAD 28,2251,78

ipr-mus LD50:590 mg/kg ARZNAD 28,2251,78

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

TJF250 CAS: 540-09-0 HR: 3
12-TRICOSANONE

mf: C₂₃H₄₆O mw: 338.69

PROP: Scales or plates. D: 0.809, mp: 69°. Insol in water; sol in alc.

SYN: DI-n-UNDECYL KETONE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#03438

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by intravenous route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

TJF350 CAS: 60318-52-7 HR: D
TRICOSANTHIN

PROP: Monoclinic crystals.

SYN: TRICHOSANTHIN

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects.

TJF400 CAS: 27519-02-4 HR: 2
9-TRICOSENE, (Z)-

mf: C₂₃H₄₆ mw: 322.69

SYNS: AI3-35349 □ ENT 35,349 □ MUSCALURE □

MUSCAMONE □ (Z)-9-TRICOSENE □ 9-TRICOSENE □ cis-9-TRICOSENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>23,070 mg/kg SPEADM 78-1,49,78

skn-rbt LD50:>2025 mg/kg SPEADM 78-1,49,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJF500 CAS: 2665-12-5 HR: 3
TRI-o-CRESYL BORATE

mf: C₂₁H₂₁BO₆ mw: 380.23

PROP: Straw-yellow liquid; odor of o-cresol. Bp: 189–195° @ 2 mm, flash p: 345°F (COC), d: 1.079 @ 22°, vap d: 11.4.

SYN: BORIC ACID, TRI-o-CRESYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV 14KTAK -,706,64

orl-mus LD50:400 mg/kg 14KTAK -,706,64

SAFETY PROFILE: Poison by ingestion. A severe eye irritant. Combustible when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS.

TJF750 CAS: 2622-08-4 HR: 3
TRI-o-CRESYL PHOSPHITE

mf: C₂₁H₂₁O₆P mw: 400.39

PROP: An oil. D: 1.138, bp: 193–194° @ 1 mm.

TOXICITY DATA with REFERENCE:

scu-rat LDLo:10 mg/kg JPETAB 49,78,33

scu-cat LD50:100 mg/kg 14CYAT 2,1918,63

SAFETY PROFILE: Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of PO_x. See also ESTERS.

TJG000 CAS: 620-42-8 HR: 3
TRI-p-CRESYL PHOSPHITE

mf: C₂₁H₂₁O₆P mw: 400.39

PROP: An oil. D: 1.11 @ 25°/25°, bp: 194° @ 1 mm.

TOXICITY DATA with REFERENCE:

scu-rat LDLo:3000 mg/kg JPETAB 49,78,33

scu-cat LDLo:200 mg/kg JPETAB 49,78,33

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of PO_x. See also ESTERS.

TJG225 CAS: 2622-08-4 HR: 3
TRICYCLAMOL SULFATE

mf: C₂₀H₃₂NO•CH₃SO₄ mw: 413.63

SYNS: COMPOUND 14045 METHSULFATE □ 1-(3-CYCLOHEXYL-3-HYDROXY-3-PHENYLPROPYL)-1-METHYL-PYRROLIDINIUM METHYL SULFATE □ 1-CYCLOHEXYL-1-PHENYL-3-PYRROLIDINO-1-PROPANOL METHSULFATE □ ELORINE SULFATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:985 mg/kg JAPMA8 43,408,54

orl-mus LD50:554 mg/kg JAPMA8 43,408,54

ivn-mus LD50:15,600 µg/kg JAPMA8 43,408,54

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

TJG239 CAS: 2622-08-4 HR: 3
TRICYCLIC ANTIDEPRESSANTS

SAFETY PROFILE: A group of antidepressant drugs that contain three fused rings in their chemical structure and that potentiate the action of catecholamines. They include imipramine, amitriptyline, nortriptyline, protriptyline, desipramine and doxepin. They have an atropine-like action and can affect various systems. Central nervous system effects: dizziness, weakness, fatigue,

headache, confusion, hallucinations, disturbed concentration, disorientation, delusions, excitement, anxiety, restlessness, insomnia, tremors, seizures. Cardiac effects: arrhythmias, sinus tachycardia, and prolongation of the conduction time. May precipitate myocardial infarction and stroke, hypotension, hypertension. Anticholinergic effects include: dry mouth, blurred vision.

TJG250 CAS: 768-94-5 HR: 3
TRICYCLO(3.3.1.1^{3,7})DECAN-1-AMINE

mf: C₁₀H₁₇N mw: 151.28

PROP: Mp: 180–192° (subl) (sealed tube). Spar sol in H₂O.

SYNS: 1-ADAMANTAMINE □ 1-ADAMANTANAMINE □ AMANTADINE □ 1-AMINOADAMANTANE □ 1-AMINOADAMATANE □ 1-AMINOTRICYCLO(3.3.1.1^{3,7})DECANE □ EXP-105-1 □ PK-MERZ □ SYMMETREL

TOXICITY DATA with REFERENCE:

dnd-esc 10 µmol/L MUREAV 89,95,81

orl-mus LD50:900 mg/kg DRFUD4 5,557,80

ipr-mus LD50:245 mg/kg DRFUD4 5,557,80

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. Used as an antiviral agent. See also AMINES.

TJG500 CAS: 4747-82-4 HR: 2
TRICYCLODECANE(5.2.1.0^{2,6})-3,10-DIISOCYANATE

mf: C₁₂H₈N₂O₂ mw: 212.22

SYN: ISOCYANIC ACID, HEXAHYDRO-4,7-METHANOINDAN-1,8-YLENE ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:1090 mg/kg TXAPA9 28,313,74

skn-rbt LD50:450 mg/kg TXAPA9 28,313,74

NIOSH REL: (Diisocyanates) TWA 0.005 ppm; CL 0.02 ppm/10M

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic fumes of NO_x. See also ISOCYANATES.

TJG550 CAS: 26160-83-8 HR: 2
TRICYCLODECANEDIMETHANOL

mf: C₁₂H₂₀O₂ mw: 196.32

SYNS: DICIDOL □

DIMETHYLOLTRICYCLO(5.2.1.0(2,6))DECANE □ BIS(HYDROXYMETHYL)TRICYCLO(5.2.1.0(2,6))DECANE □ HEXAHYDRO-4,7-METHANOINDANDIMETHANOL □ 4,7-METHANOINDANDIMETHANOL, HEXAHYDRO- □ 4,7-METHANO-1H-INDENE-5,2-DIMETHANOL, OCTAHYDRO- □ OCTAHYDRO-4,7-METHANOINDENE-AR,AR'-DIMETHANOL □ TCD-ALCOHOL DM □ TRICYCLODECANEDIMETHYLOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:>2 g/kg NTIS** OTS0540422

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

TJG600 CAS: 17511-60-3 HR: 1

TRICYCLODECENYL PROPIONATEmf: C₁₃H₁₈O₂ mw: 206.31**SYNS:** CYCLAPROP □ 4,7-METHANOINDENE-6-CARBOXYLIC ACID, 3a,4,5,6,7,7a-HEXAHYDRO-, ETHYL ESTER**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 17,911,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**TJG750 CAS: 5440-19-7 HR: 2
TRI(2-CYCLOHEXYLCYCLOHEXYL)BORATE**mf: C₃₆H₆₃BO₃ mw: 554.80**PROP:** White solid; odor of 2-cyclohexylcyclohexanol.

Mp: 172–175°, bp: 230–250° @ 0.3 mm.

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD 14KTAK -706,64

orl-mus LD50:2050 mg/kg 14KTAK -706,64

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits toxic fumes of BO_x. See also BORON COMPOUNDS and ESTERS.**TJH250 CAS: 195-84-6 HR: 2
TRICYCLOQUINAZOLINE**mf: C₂₁H₁₂N₄ mw: 320.37**PROP:** Fluffy yellow needles from toluene. Mp: 322–323°.**TOXICITY DATA with REFERENCE:**

scu-rat TDLo:1600 mg/kg/17W-I:ETA BJCAAI 13,94,59

skn-mus TDLo:380 mg/kg/16W-I:CAR BJCAAI 13,94,59

skn-mus TD:960 mg/kg/40W-I:NEO BJCAAI 16,275,62

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**TJH500 CAS: 629-50-5 HR: 2
TRIDECANE**mf: C₁₃H₂₈ mw: 184.41**PROP:** Colorless liquid. D: 0.757 @ 20°/4°, mp: -6.2°, bp: 234°. Insol in water; very sol in alc, ether.**SYN:** n-TRIDECANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:1161 mg/kg JPMSAE 67,566,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intravenous route. When heated to decomposition it emits acrid smoke and irritating fumes.**TJH750 CAS: 629-60-7 HR: 3
TRIDECANENITRILE**mf: C₁₃H₂₅N mw: 195.39**PROP:** A liquid. Mp: 9.7°, bp: 275°.**SYN:** NC12**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:256 mg/kg CBCCT* 2,191,50

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.**TJI000 CAS: 1070-01-5 HR: 2
TRIDECANITRILE (mixed isomers)**mf: C₃₀H₆₃N mw: 437.94**SYN:** TRIS(DECYL)AMINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3730 mg/kg AIHAAP 30,470,69

skn-rbt LD50:3180 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.**TJI250 CAS: 638-53-9 HR: 3
TRIDECANOIC ACID**mf: C₁₃H₂₆O₂ mw: 214.39**PROP:** Crystals from Me₂CO. Mp: 41–42°, bp: 236°/100 mm, flash p: >230°F.**SYNS:** n-TRIDECOIC ACID □ TRIDECYLIC ACID**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:130 mg/kg APTOA6 18,141,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Irritant. Poison by intravenous route. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.**TJI500 CAS: 63978-73-4 HR: 2
TRIDECANOIC ACID-2,3-EPOXYPROPYL
ESTER**mf: C₁₆H₃₀O₃ mw: 270.46**SYN:** GLYCIDYL ESTER of DODECANOIC ACID**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.**TJI750 CAS: 112-70-9 HR: 1
1-TRIDECANOL**mf: C₁₃H₂₈O mw: 200.41**PROP:** General term for a commercial mixture of isomers of the formula C₁₂H₂₅CH₂OH. Water-white liquid; pleasant odor. Flash p: 250°F (COC), vap d: 6.9. D: 0.822 @ 21/4°, mp: 32.5–33.5°, bp: 155–156° @ 15 mm.**SYNS:** TRIDECANOL □ n-TRIDECANOL □ TRIDECYL ALCOHOL □ n-TRIDECYL ALCOHOL**TOXICITY DATA with REFERENCE:**

skn-rbt 410 mg open MLD UCDS** 10/14/64

orl-rat LD50:17,200 mg/kg NPRI* 1,114,74

skn-rbt LD50:5600 mg/kg NPRI* 1,114,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. A skin irritant. Combustible when exposed to heat or flame. To fight fire, use mist, spray, dry chemical, foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

TJJ250 CAS: 24938-91-8 HR: 1
TRIDECANOL condensed with 6 moles ETHYLENE OXIDE

SYNS: ALKYL(C-13) POLYETHOXYLATES(ETHOXY-6) □ POLYOXIETHYLENE (6) ALKYL (13) ETHER

TOXICITY DATA with REFERENCE:

skn-rbt 2 g/4W MLD FCTXAV 15,319,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJJ300 CAS: 462-18-0 HR: 3
7-TRIDECANONE

mf: C₁₃H₂₆O mw: 198.39

SYNS: DIHEXYL KETONE □ DI-n-HEXYL KETONE □ ENANTHONE □ HEXYL KETONE

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:3511 mg/kg APTOA6 37,56,75

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intravenous route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

TJJ400 CAS: 7774-82-5 HR: 1
2-TRIDECENAL

mf: C₁₃H₂₄O mw: 196.37

PROP: White to yellow liquid; oily, citrus odor. D: 0.842–0.862, refr index: 1.457. Sol in alc, fixed oils; insol in water.

SYN: FEMA No. 3082

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 26,411,88

skn-rbt LD50:>5 g/kg FCTOD7 26,411,88

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 fumes.

TJJ500 CAS: 81412-43-3 HR: 2
TRIDEMORPH

mf: C₁₉H₃₉NO mw: 297.59

SYNS: BAS 2203F □ CALIXIN □ COSMIC □ TRIDEMORF

TOXICITY DATA with REFERENCE:

oth-mmo-omi 100 µmol/L NNGADV 5,69,80

orl-rat LD50:650 mg/kg 85JCAE -,894,86

orl-rbt LD50:562 mg/kg 85JCAE -,894,86

skn-rbt LD50:1350 mg/kg 85JCAE -,894,86

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

TJJ750 CAS: 73758-18-6 HR: 2
TRI(DIISOBUTYL CARBINYL) BORATE

mf: C₂₇H₅₇BO₃ mw: 440.65

PROP: White crystals; odor of diisobutyl carbinol. Mp: 99–100°, bp: 198–209° @ 22 mm.

SYN: TRIS(3,5-DIMETHYL-4-HEPTYL) BORATE

TOXICITY DATA with REFERENCE:

eye-rbt 10 mg MOD 14KTAK -,706,64

orl-mus LD50:3700 mg/kg 14KTAK -,706,64

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS.

TJK000 CAS: 467-63-0 HR: 3
TRI(p-DIMETHYLAMINOPHENYL)METHANOL

mf: C₂₅H₃₁N₃O mw: 389.59

SYNS: CARBINOLBASE DES KRISTALLVIOLETT (GERMAN) □ C.I. 42555B □ C.I. SOLVENT VIOLET 9 □ 4-(DIMETHYLAMINO)-α,α-BIS(4-(DIMETHYLAMINO)PHENYL)-BENZENEMETHANOL (9CI) □ METHYLOSANILINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:770 mg/kg ARZNAD 1,5,51

ipr-rat LD50:58 mg/kg ARZNAD 1,5,51

orl-mus LD50:1000 mg/kg ARZNAD 1,5,51

ipr-mus LD50:56 mg/kg ARZNAD 1,5,51

orl-rbt LD50:180 mg/kg ARZNAD 1,5,51

ipr-rbt LD50:120 mg/kg ARZNAD 1,5,51

idu-rbt LD50:870 mg/kg ARZNAD 1,5,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJK100 CAS: 58138-08-2 HR: 2
TRIDIPHANE

mf: C₁₀H₇Cl₅O mw: 320.42

SYNS: (RS)-2-(3,5-DICHLOROPHENYL)-2-(2,2,2-TRICHLOROETHYL)OXIRANE □ DOWCO 356 □ NELPON □ OXIRANE, 2-(3,5-DICHLOROPHENYL)-2-(2,2,2-TRICHLOROETHYL)- □ TANDEM

TOXICITY DATA with REFERENCE:

orl-rat LD50:1500 mg/kg FAATDF 8,179,87

orl-mus LD50:740 mg/kg FAATDF 8,179,87

skn-rbt LD50:3536 mg/kg PEMNDP 8,829,87

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻.

TJK250 CAS: 2467-15-4 HR: 2
TRI-n-DODECYL BORATE

mf: C₃₆H₇₅BO₃ mw: 566.92

PROP: Light straw-yellow, oily, moisture-sensitive liquid. Bp: 287–288° @ 3.5 mm, flash p: 465°F (COC), d: 0.845 @ 26.8°, vap d: 19.6.

SYN: BORIC ACID, TRIETHYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD 14KTAK -,706,64

orl-mus LD50:1400 mg/kg USBCC* -,58

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame. Can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS and ESTERS.

TJK500 CAS: 52338-90-6 HR: 2
1,2,4,5,9,10-TRIEPOXYDECANE
 mf: C₁₀H₁₆O₃ mw: 184.26

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

TJK750 CAS: 283-56-7 HR: 3
TRIEHANOLAMINE BORATE
 mf: C₆H₁₈BN₃O₃ mw: 191.08

PROP: White, odorless solid. Mp: 235.5–238.5°.

SYN: BORIC ACID, TRIS(2-AMINOETHYL) ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD: >100 mg/kg EJMCAS 13,207,78

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x. See also TRIHYDROXYTRIEHYLAMINE, ESTERS, and BORON COMPOUNDS.

TJK800 CAS: 27323-41-7 HR: 1
TRIEHANOLAMINE DODECYLBENZENE SULFONATE

mf: C₁₈H₂₀O₃S•C₆H₁₅NO₃ mw: 465.66

SYNS: AI3-26730-X □ BENZENESULFONIC ACID, DODECYL-,

compd. with 2,2',2''-NITRILOTRIS(ETHANOL) (1:1) □

DODECYLBENZENESULFONIC ACID, compd. with 2,2',2''-

NITRILOTRIS(ETHANOL) (1:1) □ DODECYLBENZENE-

SULFONIC ACID TRIETHANOLAMINE SALT □ WITCONATE

60L □ WITCONATE 60T □ WITCONATE 79S □ WITCONATE

5725 □ WITCONATE S-1280 □ WITCONATE TAB

TOXICITY DATA with REFERENCE:

orl-rat LD50: $>10,800$ mg/kg JACTDZ 12(3),279,93

skn-rbt LD50: $>23,220$ mg/kg JACTDZ 12(3),279,93

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. When heated to decomposition it emits toxic fumes of SO_x.

TJK900 CAS: 5902-97-6 HR: 1
TRIEHANOLAMINE METHANEARSONATE

mf: C₆H₁₅NO₃•xCH₅AsO₃ mw: 1129.08

SYNS: ANSAR-290 D □ ETHANOL, 2,2',2''-NITRILOTRI-,

COMP. WITH METHANEARSONIC ACID □

METHANEARSONIC ACID, COMP. WITH 2,2',2''-

NITRILOTRIEETHANOL □ METHANEARSONIC ACID,

TRIEHANOLAMINE SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:14 g/kg 28ZEAL 5,12,1976

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

TJL250 CAS: 588-42-1 HR: 3
TRIEHANOLAMINE TRINITRATE BIPHOSPHATE

mf: C₆H₁₂N₄O₉•2H₃O₄P mw: 480.22

PROP: Crystals. Mp: 107–109° (decomp). Insol in CHCl₃, Et₂O; sol in mineral acids.

SYNS: AMINOTRATE PHOSPHATE □ ANGITRIT □ BENTON-
 YL □ DURONITRIN □ ETHANOL, 2,2',2''-NITRILOTRIS-,
 TRINITRATE (ester), PHOSPHATE (1:2)(SALT) (9CI) □ KARDIN □
 METAMIN □ METAMINE □ NITRANOL □ NITRETAMIN □
 NITRETAMIN PHOSPHATE □ 2,2',2''-NITRILOTRIEETHANOL
 TRINITRATE PHOSPHATE □ NITROCARDIOL □ NITRODUR-
 AN □ ORTIN □ PRAENITRON □ PRAENITRONA □ PRENI-
 TRON □ THIBETINE □ TRIANATE □ TRICORYL □ TRIETH-
 ANOLAMINE TRINITRATE DIPHOSPHATE □ TRINITRO-
 TRIETHANOLAMINE □ TRISUSTAN □ TROLMINE □
 TROLNITRATE PHOSPHATE □ VASOMED

TOXICITY DATA with REFERENCE:

orl-rat LD50:130 mg/kg DRUGAY 6,535,82

ipr-rat LD50:23 mg/kg DRUGAY 6,535,82

scu-rat LD50:34 mg/kg DRUGAY 6,535,82

orl-mus LD50:330 mg/kg DRUGAY 6,535,82

ipr-mus LD50:82 mg/kg DRUGAY 6,535,82

scu-mus LD50:141 mg/kg DRUGAY 6,535,82

ivn-mus LD50:100 mg/kg YKYUA6 27,1401,76

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

TJL500 CAS: 1912-26-1 HR: 2
TRIEHAZINE
 mf: C₉H₁₆ClN₅ mw: 229.75

PROP: Crystals or solid. Mp: 100–101°.

SYNS: AVENTOX □ BRONOX □ 2-CHLORO-4-(DIETHYL-
 AMINO)-6-(ETHYLAMINO)-s-TRIAZINE □ 6-CHLORO-N,N,N'-
 TRIETHYL-1,3,5-TRIAZINE-2,4-DIAMINE □ 6-CHLORO-N(sup
 2),N(sup 2),N(sup 4)-TRIEHYL-1,3,5-TRIAZINE-2,4-DIAMINE
 (IUPAC) □ 2-ETHYLAMINO-4-DIETHYLAMINO-6-CHLORO-s-
 TRIAZINE □ G 27901 □ GESAFLOC □ NC 1667 □ REMTAL □
 1,3,5-TRIAZINE-2,4-DIAMINE, 6-CHLORO-N,N,N'-TRIEHYL- □
 TRIETAZINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:594 mg/kg WRPCA2 9,119,70

skn-rat LD50: >1 g/kg WRPCA2 9,119,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJL600 CAS: 368-39-8 HR: D
TRIETHOXONIUM FLUOROBORATE

mf: C₆H₁₅O•BF₄ mw: 190.02

SYNS: OXONIUM, TRIETHYL-, TETRAFLUOROBORATE(1-) □
 TEOF □ TRIETHYLOXONIUM BOROFUORIDE □
 TRIETHYLOXONIUM FLUOBORATE □ TRIETHYLOXONIUM
 FLUOROBORATE □ TRIETHYLOXONIUM
 TETRAFLUOROBORATE

TOXICITY DATA with REFERENCE:

dnd-smc 500 mmol/L CPBTAL 23,2485,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJL700 CAS: 5870-82-6 HR: 3
1,1,3-TRIETHOXYBUTANE

mf: C₁₀H₂₂O₃ mw: 190.32

SYNS: BUTANE, 1,1,3-TRIETHOXY- □ BUTYRALDEHYDE, 3-ETHOXY-, DIETHYL ACETAL

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H MLD open AIHAAP 23,95,1962

orl-rat LD50:4920 µL/kg AIHAAP 23,95,1962

ihl-rat LCLo:2000 ppm/4H AIHAAP 23,95,1962

skn-rbt LD50:1770 µL/kg AIHAAP 23,95,1962

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

TJL775 CAS: 65232-69-1 HR: 3
TRIETHOXYDIALUMINUM TRIBROMIDE

mf: C₆H₁₅Al₂Br₃O₃ mw: 428.86
 (CH₃CH₂O)₃Al•AlBr₃

SAFETY PROFILE: Ignites spontaneously in air. Explosive reaction with water, ethanol. When heated to decomposition it emits toxic fumes of Br⁻. See also ALUMINUM COMPOUNDS and BROMIDES.

TJM000 CAS: 101-33-7 HR: 2
1,1,3-TRIETHOXYHEXANE

mf: C₁₂H₂₆O₃ mw: 218.38

PROP: Liquid. Insol in water. D: 0.8746 @ 20/20°, bp: 133° @ 50 mm, fp: -100°, flash p: 210°F (OC), vap d: 7.5.

SYN: 3-ETHOXYHEXANAL DIETHYL ACETAL

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:17 g/kg AIHAAP 23,95,62

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. Combustible when exposed to heat or flame. To fight fire, use foam, alcohol foam, fog. When heated to decomposition it emits acrid smoke and irritating fumes.

TJM250 CAS: 7789-92-6 HR: 2
1,3,3-TRIETHOXYPROPANE

mf: C₉H₂₀O₃ mw: 176.29

TOXICITY DATA with REFERENCE:

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

eye-rbt 750 mg open AMIHBC 4,119,51

orl-rat LD50:1600 mg/kg AMIHBC 4,119,51

skn-rbt LD50:8 g/kg AMIHBC 4,119,51

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

TJM500 CAS: 5444-80-4 HR: 3
1,3,3-TRIETHOXY-1-PROPENE

mf: C₉H₁₈O₃ mw: 174.27

SYNS: 3-ETHOXY ACROLEIN DIETHYL ACETAL □ 1,3,3-TRIETHOXYPROPENE

TOXICITY DATA with REFERENCE:

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

eye-rbt 20 mg open SEV AMIHBC 4,119,51

orl-rat LD50:2460 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:250 ppm/4H JIHTAB 31,343,49

skn-rbt LD50:370 mg/kg AMIHBC 4,119,51

SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion and inhalation. A severe skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

TJM750 CAS: 998-30-1 HR: 3
TRIETHOXYSilANE

mf: C₆H₁₆O₃Si mw: 164.31

PROP: A liquid. D: 0.875, refr index: 1.3762, bp: 134–135°, flash p: 80°F.

TOXICITY DATA with REFERENCE:

ihl-mus LC50:500 mg/m³/2H 85GMAT -,115,82

ivn-mus LD50:180 mg/kg CSLNX* NX#00018

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

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by inhalation. Flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

TJN000 CAS: 919-30-2 HR: 3
3-(TRIETHOXYsilyl)-1-PROPANAMINE

mf: C₉H₂₃NO₃Si mw: 221.42

PROP: A liquid. D: 0.94 @ 20°/4°, bp: 217°.

SYNS: A 1100 □ AGM-9 □ (γ-AMINOPROPYL)TRIETHOXYSilANE □ (3-AMINOPROPYL)TRIETHOXYSilANE □ PROPYLAMINE, 3-(TRIETHOXYsilyl)- □ SilANE, γ-AMINOPROPYLTRIETHOXY- □ SilANE, (3-AMINOPROPYL)-TRIETHOXY- □ SILICONE A-1100 □ TRIETHOXY(3-AMINOPROPYL)SilANE □ 3-(TRIETHOXYsilyl)-PROPYLAMINE

TOXICITY DATA with REFERENCE:

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

eye-rbt 100 mg MLD UCDS** 1/19/72

orl-rat LD50:1780 mg/kg AIHAAP 23,95,62

ipr-mus LD50:260 mg/kg RCRVAB 38(12),975,69

skn-rbt LD50:4000 mg/kg UCDS** 1/19/72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

TJN250 CAS: 78-08-0 HR: 1
TRIETHOXYVINylSilANE

mf: C₈H₁₈O₃Si mw: 190.35

PROP: A liquid. D: 0.90 @ 20°/4°, bp: 160–161°.

SYNS: SilANE, VINyl TRIETHOXY 1-151 □ TRIETHOXY-VINylSilICANE □ UNION CARBIDE A-151 □ VINyl-TRIETHOXYSilANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 7/10/67

eye-rbt 500 mg AMIHBC 10,61,54

orl-rat LD50:22,500 mg/kg AMIHBC 10,61,54

ihl-rat LCLo:4000 ppm/4H AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJN750 CAS: 97-93-8 HR: 3
TRIETHYLALUMINUM

mf: C₆H₁₅Al mw: 114.19

PROP: Fp: -52.5°, d: 0.837 @ 20°, vap press: 4 mm @ 83°, flash p: <-63°F, bp: 194°.

SYNS: ALUMINUM, TRIETHYL- □ TEA □ TRIETHYLALUMINUM

TOXICITY DATA with REFERENCE:

ihl-rat LC50:10 g/m³/15M 85JCAE -,1216,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 2 mg(Al)/m³

SAFETY PROFILE: Extremely destructive to living tissue. A very dangerous fire hazard when exposed to heat or flame. Ignites spontaneously in air. Explodes violently in water. To fight fire, use CO₂, dry sand, dry chemical. Do not use water, foam, or halogenated fire-fighting agents. Explosive reaction with alcohols (e.g., methanol, ethanol, propanol), carbon tetrachloride, N,N-dimethylformamide + heat. Incompatible with halogenated hydrocarbons; triethyl borane. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALUMINUM COMPOUNDS and ORGANOMETALS.

TJO000 CAS: 121-44-8 HR: 3
TRIETHYLAMINE

DOT: UN 1296

mf: C₆H₁₅N mw: 101.22

PROP: Colorless liquid with fishy or ammonia odor. Mp: -114.8°, bp: 89.5°, flash p: 20°F (OC), d: 0.7255 @ 25°/4°, vap d: 3.48, lel: 1.2%, uel: 8.0%. Misc in water, alc, ether. IDLH 200 ppm.

SYNS: (DIETHYLAMINO)ETHANE □ N,N-DIETHYLETHANAMINE □ TEN □ TRIAETHYLAMIN (GERMAN) □ TRIETILAMINA (ITALIAN)

TOXICITY DATA with REFERENCE:

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

skn-rbt 365 mg open MLD UCDS** 3/23/70

eye-rbt 250 mg open SEV AMIHBC 4,119,51

eye-rbt 50 ppm/30D-I SEV AMIHBC 3,287,51

cyt-rat-ihl 1 mg/m³ GISAAA 36(11),9,71

ihl-hmn TCLo:12 mg/m³/11W-C:EYE IAEHDW 57,297,86

orl-rat LD50:460 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:1000 ppm/4H AMIHBC 4,119,51

orl-mus LD50:546 mg/kg HYSAAV 30,351,65

skn-rbt LD50:570 mg/kg AMIHBC 4,119,51

ihl-mus LC50:6 g/m³/2H 85GMAT -,115,82

ipr-mus LD50:405 mg/kg YKKZAJ 97,1117,77

ihl-gpg LCLo:1000 ppm/4H JIHTAB 30,2,48

ihl-mam LC50:6 g/m³

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 ppm; STEL 15 ppm

ACGIH TLV: TWA 1 ppm; STEL 3 ppm (skin); Not Classifiable as a Human Carcinogen

DFG MAK: 1 ppm (4.2 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. Mildly toxic by inhalation. Human systemic effects: visual field changes. Experimental reproductive effects. Mutation data reported. A skin and severe eye irritant. Can cause kidney and liver damage. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Explosive in the form of vapor when exposed to heat or flame. Complex with dinitrogen tetroxide explodes below 0°C when undiluted with solvent. Exothermic reaction with maleic anhydride above 150°C. Can react with oxidizing materials. Incompatible with N₂O₄. To fight fire, use CO₂, dry chemical, alcohol foam. When heated to decomposition it emits toxic fumes of NO_x.

TJO050 CAS: 554-68-7 HR: 2
TRIETHYLAMINE, HYDROCHLORIDE

mf: C₆H₁₅N•ClH mw: 137.68

TOXICITY DATA with REFERENCE:

scu-mus LDLo:600 mg/kg JPETAB 37,309,29

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, HCl, and Cl⁻.

TJO100 CAS: 27096-31-7 HR: 3
TRIETHYL AMMONIUM NITRATE

mf: C₆H₁₆N₂O₃ mw: 164.20
(CH₃CH₂)₃N⁺HNO₃⁻

SAFETY PROFILE: Complex with dinitrogen tetroxide + diethyl ether explodes when dried. Forms an unstable explosive complex with dinitrogen tetroxide. When heated to decomposition it emits toxic fumes of NH₃ and NO_x. See also NITRATES.

TJO250 CAS: 617-85-6 HR: 3
TRIETHYLANTIMONY

mf: C₆H₁₅Sb mw: 208.84

PROP: A liquid. D: 1.324, refr index: 1.42, fp: -98, mp: -29°, bp: 161.4°.

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

SAFETY PROFILE: Most antimony compounds are poisons. Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Sb. See also ANTIMONY COMPOUNDS.

TJO500 HR: 3
TRIETHYLARSINE

mf: C₆H₁₅As mw: 162.01

PROP: D: 1.150, bp: 140°/736 mm. Insol in water; miscible in alc and ether.

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

SAFETY PROFILE: Arsenic compounds are poisons. Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of As. See also ARSENIC COMPOUNDS.

TJO750 CAS: 25340-18-5 HR: 3
TRIETHYLBENZENE

mf: C₁₂H₁₈ mw: 162.30

PROP: Clear, colorless liquid. Mp: <−70°, bp: 218–219°, flash p: 181°F (CC), d: 870 @ 25/25°, vap d: 5.6.

SYN: TRIETHYL-BENZENE (mixed isomers)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5000 mg/kg AMIHAB 19,403,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion.

Flammable when exposed to heat or flame. Can react with oxidizers. To fight fire, use foam, CO₂, dry chemical.

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

TJP000 CAS: 617-77-6 HR: 3
TRIETHYLBISMUTH

mf: C₆H₁₅Bi mw: 296.17

PROP: A liquid with disgusting odor. D: 1.820 @ 20°/4°, bp: 104–105° @ 76 mm.

SAFETY PROFILE: Ignites spontaneously in air. Explodes at 150°C. When heated to decomposition it emits toxic fumes of Bi. See also BISMUTH COMPOUNDS.

TJP250 CAS: 97-94-9 HR: 3
TRIETHYLBORANE

mf: C₆H₁₅B mw: 98.02

PROP: Colorless, fuming liquid. Mp: −93°, d: 0.6961 @ 23°, bp: 95°.

SYN: TRIETHYLBORINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:235 mg/kg 14KTAK -,693,64

ihl-rat LC50:700 ppm/4H 14KTAK -,693,64

ipr-rat LD50:22,700 µg/kg 14KTAK -,693,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Mildly toxic by inhalation. Animal experiments show that the vapor is a poison which causes pulmonary irritation and convulsions. A very dangerous fire hazard by spontaneous chemical reaction with oxidizers. Spontaneously flammable in air. Explodes in oxygen atmospheres. Hypergolic reaction with triethylaluminum. Ignites on contact with chlorine, bromine, or other halogens. Will react with water or steam to produce toxic and flammable vapors. To fight fire, do NOT use halogenated extinguishing agents. When heated to decomposition or upon contact with air it emits toxic acrid smoke and irritating fumes. See also BORANES and BORON COMPOUNDS.

TJP500 CAS: 150-46-9 HR: 3
TRIETHYL BORATE

mf: C₆H₁₅BO₃ mw: 146.02

PROP: A liquid, readily hydrolyzed. D: 0.864 @ 20/40°, mp: −84.8°, bp: 120°, flash p: 51.8°F. Decomposition in water. Sol in non-hydroxylic solvs.

SYNS: BORIC ACID, TRIETHYL ESTER □ TRIETHYLESTER KYSELINY BORITE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD 14KTAK -,706,64

orl-mus LD50:1800 mg/kg USBCC*

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS and ESTERS.

TJP550 CAS: 597-49-9 HR: 2
TRIETHYLCARBINOL

mf: C₇H₁₆O mw: 116.23

SYNS: 3-AETHYL-PENTANOL-(3) □ 3-ETHYL-3-PENTANOL □ 3-PENTANOL, 3-ETHYL- □ TRIETHYLMETHANOL

TOXICITY DATA with REFERENCE:

scu-mus LD50:700 mg/kg ARZNAD 5,161,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJP750 CAS: 77-93-0 HR: 2
TRIETHYL CITRATE

mf: C₁₂H₂₀O₇ mw: 276.32

PROP: Colorless oily liquid; odorless. Bp: 294°, flash p: 303°F (COC), d: 1.136 @ 25°, vap press: 1 mm @ 107.0°. Sltly sol in water; misc in alc, ether.

SYNS: CITROFLEX 2 □ ETHYL CITRATE □ 2-HYDROXY,1,2,3-PROPANETRICARBOXYLIC ACID, TRIETHYL ESTER □ TEC

TOXICITY DATA with REFERENCE:

orl-rat LD50:5900 mg/kg IYKEDH 16,214,85

ihl-rat LC50:1300 ppm/6H FCTXAV 17,357,79

ipr-rat LD50:4 g/kg IYKEDH 16,214,85

scu-rat LD50:6600 mg/kg IYKEDH 16,214,85

ipr-mus LD50:1750 mg/kg JPMSAE 53,774,64

orl-cat LD50:35,000 mg/kg FCTXAV 17,357,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion and inhalation. Combustible liquid when exposed to heat or flame. To fight fire, use dry chemical, CO₂. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and CITRIC ACID.

TJP775 CAS: 12075-68-2 HR: 3
TRIETHYLDIALUMINUM TRICHLORIDE

mf: C₆H₁₅Al₂Cl₃ mw: 247.51
 (CH₃CH₂)₃Al•AlCl₃

PROP: Yellow liquid. Bp: 114.5–116.5° @ 50 mm.

SYNS: ETHYALUMINUM SESQUICHLORIDE □ SESQUIETHYALUMINUM CHLORIDE □ TRICHLORO-TRIETHYLDIALUMINIUM □ TRICHLOROTRIETHYL-

DIALUMINUM □ TRIETHYLALUMINUM SESQUICHLORIDE □
TRIETHYLTRICHLORODIALUMINUM

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 2 mg(Al)/m³

SAFETY PROFILE: Mixtures with carbon tetrachloride explode at room temperature. When heated to decomposition it emits toxic fumes of Cl⁻. See also ALUMINUM COMPOUNDS.

TJP780 CAS: 62133-36-2 HR: 3
TRIETHYLDIBORANE

mf: C₆H₁₆B₂ mw: 109.81

PROP: Air- and moisture-sensitive liquid; readily disproportionates to triethylborane and other ethyldiboranes.

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

TJQ000 CAS: 112-27-6 HR: 3
TRIETHYLENE GLYCOL

mf: C₆H₁₄O₄ mw: 150.20

PROP: Odorless, colorless liquid; hygroscopic. Fp: -7.3°, flash p: 350°F, mp: -4.3°, d: 1.122 @ 25°/25°, lel: 0.9%, uel: 9.2%, autoign temp: 700°F, vap press: 1 mm @ 114°, vap d: 5.17, bp: 285°. Misc in water, alc, benzene; insol in pet ether; very sltly sol in ether.

SYNS: DI-β-HYDROXYETHOXYETHANE □ 3,6-DIOXAOCETANE-1,8-DIOL □ 2,2'-(1,2-ETHANEDIYLBIS(OXY))BISETHANOL □ 2,2'-ETHYLENEDIPOXYDIETHANOL □ 2,2'-ETHYLENE-DIOXYETHANOL □ ETHYLENE GLYCOL-BIS-(2-HYDROXYETHYL ETHER) □ ETHYLENE GLYCOL DIHYDROXYDIETHYL ETHER □ GLYCOL BIS(HYDROXY-ETHYL) ETHER □ TEG □ TRIGEN □ TRIGLYCOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,913,79
eye-rbt 500 mg MLD AJOPAA 29,1363,46
orl-hmn LDLo:5000 mg/kg FCTXAV 17,913,79
orl-rat LD50:17 g/kg JIHTAB 28,40,46
ivn-rat LD50:11,700 µg/kg ARZNAD 18,1536,68
ims-rat LDLo:8400 mg/kg HBTXAC 5,172,59
orl-mus LDLo:18,500 mg/kg PCOC** -,1186,66
ipr-mus LD50:8141 mg/kg FEPA7 6,342,47
scu-mus LD50:8750 mg/kg JPETAB 65,89,39
ivn-mus LD50:6500 mg/kg JPETAB 65,89,39
orl-rbt LD50:8400 mg/kg JIHTAB 28,40,46
ivn-rbt LD50:1900 µg/kg ARZNAD 18,1536,68
orl-gpg LD50:7900 mg/kg JIHTAB 28,40,46
ivn-gpg LD50:10,600 µg/kg ARZNAD 18,1536,68

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

SAFETY PROFILE: Poison by intravenous route. Mildly toxic to humans by ingestion. Experimental reproductive effects. An eye and skin irritant. Many glycol ether compounds have dangerous human reproductive effects. Combustible when exposed to heat or flame. Can react with oxidizing materials. Explosive in the form of vapor when exposed to heat, flame, or spark. To fight fire, use alcohol foam, dry chemical. When heated to

decomposition it emits acrid smoke and irritating fumes. See also ESTERS and GLYCOL ETHERS.

TJQ100 CAS: 1680-21-3 HR: 2
TRIETHYLENE GLYCOL DIACRYLATE

mf: C₁₂H₁₈O₆ mw: 258.30

SYNS: ACRYLIC ACID, DIESTER with TRIETHYLENE GLYCOL □ 2-PROPENOIC ACID, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER (9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/2H4 SEV EPASR* 8EHQ-0981-0410
eye-rbt 100 mg SEV EPASR* 8EHQ-0981-0410
orl-rat LD50:500 mg/kg 85GMAT -,115,82
orl-mus LD50:700 mg/kg 85GMAT -,115,82
skn-rbt LD50:1900 mg/kg EPASR* 8EHQ-0981-0410

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. Questionable carcinogen with experimental tumorigenic data. Severe skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

TJQ250 CAS: 95-08-9 HR: 2
TRIETHYLENE GLYCOL DI(2-ETHYL-BUTYRATE)

mf: C₁₈H₃₄O₆ mw: 346.52

PROP: Colorless liquid. Mp: -65°, bp: 197° @ 5 mm, flash p: 385°F (OC), d: 0.9945 @ 20/20°, vap press: 5.8 mm @ 200°, vap d: 11.95.

SYNS: 2,2'-(ETHYLENEDIPOXY)DI(ETHYL 2-ETHYLBUTYRATE) □ TRIETHYLENE GLYCOL DIETHYL BUTYRATE □ TRIGLYCOL DICAPROATE □ TRIGLYCOL DIHEXOATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 4/21/67
orl-rat LD50:6000 mg/kg NPIRI* 2,102,75
orl-gpg LD50:3130 mg/kg JIHTAB 23,259,41

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJQ333 CAS: 1954-28-5 HR: 2
TRIETHYLENE GLYCOL DIGLYCIDYL ETHER

mf: C₁₂H₂₂O₆ mw: 262.34

PROP: A liquid. D: 1.13 @ 20°, mp: -15°, bp: 195-197° @ 2 mm.

SYNS: AYERST 62013 □ 2,2'-(2,5,8,11-TETRAOXA-1,12-DODECANEDIYLBISOXIRANE □ 1,2-BIS((2,3-EPOXYPROPOXY)-ETHOXY)ETHANE □ 1,2,15,16-DIEPOXY-4,7,10,13-TETRAOXA-HEXADECANE □ DIGLYCIDYLBIS(ETHYLENE GLYCOL) □ EPOXYL □ ETHOGLUCID □ ETHOGLUCIDE □ ETOGLUCID □ ICI-32865 □ OXIRANE, 2,2'-(2,5,8,11-TETRAOXADODECANE-1,12-DIYL)BIS- (9CI) □ 2,2'-(2,5,8,11-TETRAOXA-1,2-DODECANEDIYLBISOXIRANE □ TDE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
mmo-sat 10 µg/plate MUREAV 111,99,83
ipr-mus LDLo:700 mg/kg IARC** 11,209,76

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 11,209,76.

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

TJQ500 CAS: 111-22-8 HR: 2
TRIETHYLENE GLYCOL, DINITRATE

mf: $C_6H_{12}O_4 \cdot N_2O_4$ mw: 240.20

SYNS: ETHANOL, 2,2'-(1,2-ETHANEDIYLBIS(OXY))BIS-, DINITRATE □ TEGDN □ TEGON

TOXICITY DATA with REFERENCE:

ipr-gpg LD50:700 mg/kg; CAR AIHAAP 34,526,73

orl-rat LD50:1000 mg/kg AIHAAP 34,526,73

ipr-rat LD50:796 mg/kg AIHAAP 34,526,73

scu-rat LD50:2520 mg/kg AIHAAP 34,526,73

ipr-mus LD50:945 mg/kg AIHAAP 34,526,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x . See also NITRATES.

TJQ750 CAS: 112-35-6 HR: 1
TRIETHYLENE GLYCOL MONOMETHYL ETHER

mf: $C_7H_{16}O_4$ mw: 164.23

PROP: Misc with water. D: 1.0494, bp: 249°, fp: -44°, flash p: 245°F (OC).

SYNS: DOWANOL TMAT □ 2-(2-(2-METHOXYETHOXY)-ETHOXY)ETHANOL □ METHOXYTRIGLYCOL □ POLY-SOLV TM □ TRIGLYCOL MONOMETHYL ETHER

TOXICITY DATA with REFERENCE:

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

eye-rbt 500 mg/24H MLD 85JCAE -,634,86

orl-rat LD50:11,300 mg/kg AIHAAP 23,95,62

skn-rbt LD50:7100 mg/kg AIHAAP 23,95,62

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

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. A skin and eye irritant. Many glycol ether compounds have dangerous human reproductive effects. Combustible when exposed to heat or flame. To fight fire, use alcohol foam, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.

TJR000 CAS: 112-24-3 HR: 3
TRIETHYLENETETRAMINE

DOT: UN 2259

mf: $C_6H_{18}N_4$ mw: 146.28
($H_2NC_2H_4NHCH_2-$)₂

PROP: Moderately viscous, yellowish liquid or oil. Bp: 272°, mp: 12°, flash p: 275°F, d: 0.982, vap press: <0.01 mm @ 20°, autoign temp: 640°F. Very sol in water and ether.

SYNS: ARALDITE HARDENER HY 951 □ ARALDITE HY 951 □ N,N' -BIS(2-AMINOETHYL)-1,2-DIAMINOETHANE □ N,N' -BIS(2-AMINOETHYL)ETHYLENEDIAMINE □ N,N' -BIS(2-AMINOETHYL)-1,2-ETHYLENEDIAMINE □ DEH 24 □ 3,6-DIAZAOCTANE-1,8-DIAMINE □ HY 951 □ TECZA □ TETA □ 1,4,7,10-TETRAAZADECANE □ TRIEN □ TRIENTINE

TOXICITY DATA with REFERENCE:

skn-rbt 490 mg open SEV UCDS** 12/12/66

eye-rbt 49 mg SEV UCDS** 12/12/66

mno-sat 1 nmol/plate MUREAV 88,165,81

mma-sat 100 µg/plate ENMUDM 8(Suppl 7),1,86

orl-rat LD50:2500 mg/kg 37ASAA 7,580,79

orl-mus LD50:1600 mg/kg KHZDAN 22,179,79

ivn-mus LD50:350 mg/kg EJMCAS 19,425,84

orl-rbt LD50:5500 mg/kg KHZDAN 22,179,79

skn-rbt LD50:805 mg/kg JIHTAB 31,60,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and skin contact. An experimental teratogen. Experimental reproductive effects. Mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. Causes skin sensitization. Combustible when exposed to heat or flame. Ignites on contact with cellulose nitrate of high surface area. Can react with oxidizing materials. To fight fire, use CO_2 , dry chemical, alcohol foam. When heated to decomposition it emits toxic fumes of NO_x .

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-60 or NIOSH: Triethylenetetramine, 2540.

TJR250 CAS: 1115-99-7 HR: 3
TRIETHYLGALLIUM

mf: $C_6H_{15}Ga$ mw: 156.91

PROP: D: 1.0576, mp: -82.3°, bp: 142.6.

SAFETY PROFILE: Ignites spontaneously in air. Explodes in water or nitric acid. See also GALLIUM COMPOUNDS.

TJR500 CAS: 2467-13-2 HR: 2
TRI(2-ETHYLHEXYL) BORATE

mf: $C_{24}H_{51}BO_3$ mw: 398.56

PROP: Colorless, mobile liquid or moisture-sensitive oil with odor of 2-ethylhexanol. Bp: 350–354°, flash p: 350°F (COC), d: 0.857 @ 23.6°, vap d: 13.8. Sol in non-hydroxylic solvs.

SYN: BORIC ACID, TRIS(2-ETHYLHEXYL) ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD 14KTAK -,706,64

orl-rat LD50:2830 mg/kg USBCC* -,58

orl-mus LD50:3300 mg/kg 14KTAK -,693,64

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame. Can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and BORON COMPOUNDS.

TJR600 CAS: 3319-31-1 HR: 1

TRI-2-ETHYLHEXYL TRIMELLITATEmf: $C_{33}H_{54}O_6$ mw: 546.87

SYNS: 1,2,4-BENZENETRICARBOXYLIC ACID, TRIS(2-ETHYLHEXYL)ESTER □ HATCOL 200 □ KODAFLEX TOTM □ MONOSIZER W710L □ MORFLEX 510 □ STAFLEX TOTM □ TOTM □ TRIMEX T 08 □ TRIS(2-ETHYLHEXYL)TRIMELLITATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:>60 g/kg GISAAA 46(5),87,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TJR750 CAS: 923-34-2 HR: 3
TRIETHYL INDIUM

mf: $C_6H_{15}In$ mw: 202

PROP: A liquid. D: 1.260, refr index: 1.538, mp: -32° , bp: 184° .

SAFETY PROFILE: Spontaneously flammable in air. See also INDIUM.

TJS000 CAS: 923-34-2 HR: 3
TRIETHYL LEAD

mf: $Pb_2(C_2H_3)_6$ mw: 588.8

PROP: A liquid. D: 1.471, bp: decomp. Insol in water.

SYN: HEXAETHYLDILEAD

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

SAFETY PROFILE: A poison. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

TJS250 CAS: 1067-14-7 HR: 3
TRIETHYL LEAD CHLORIDE

mf: $C_6H_{15}ClPb$ mw: 329.85

PROP: White crystals. Mp: 172° (decomp).

SYN: TRIETHYLCHLOROPLUMBANE**TOXICITY DATA with REFERENCE:**

sln-dmg-orl 4 mg/L AMBOCX 1,28,72

ipr-rat LD50:11,200 µg/kg BJIMAG 16,191,59

scu-rat LD50:11 mg/kg NTOTDY 4,671,82

par-rat LD50:11 mg/kg AOHYA3 3,226,61

ivn-rbt LDLo:7 mg/kg JPETAB 34,85,28

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

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, parenteral, and intravenous routes. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and Pb. See also LEAD COMPOUNDS and CHLORIDES.

TJS500 CAS: 562-95-8 HR: 3
TRIETHYL LEAD FLUOROACETATE

mf: $C_2H_2FO_2 \cdot C_6H_{15}Pb$ mw: 371.44**SYN:** FLUOROACETIC ACID, TRIETHYLLEAD SALT**TOXICITY DATA with REFERENCE:**ihl-hmn TCLo:1700 µg/m³/10M:PUL JCSOA9 -,1773,48

scu-mus LD50:15 mg/kg JCSOA9 -,1773,48

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

SAFETY PROFILE: Poison by subcutaneous route. Human systemic effects by inhalation: pulmonary system effects. When heated to decomposition it emits very toxic fumes of F^- and Pb. See also FLUORIDES and LEAD COMPOUNDS.

TJS750 CAS: 73928-18-4 HR: 3
TRIETHYL LEAD FUROATE

mf: $C_{11}H_{18}O_5Pb$ mw: 439.55**SYN:** (FUROYLOXY)TRIETHYL PLUMBANE**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:15 mg/kg JPETAB 41,1,31

ims-rat LDLo:50 mg/kg JPETAB 41,1,31

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

SAFETY PROFILE: Poison by intravenous and intramuscular routes. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

TJT000 CAS: 63916-98-3 HR: 3
TRIETHYL LEAD OLEATE

mf: $C_{24}H_{48}O_2Pb$ mw: 575.91**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:50 mg/kg NCNSA6 5,30,53

ipr-rat LDLo:25 mg/kg NCNSA6 5,30,53

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

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

TJT250 CAS: 73928-21-9 HR: 3
TRIETHYL LEAD PHENYL ACETATE

mf: $C_{13}H_{20}O_2Pb$ mw: 415.52**SYN:** (PHENYLACETOXY)TRIETHYL PLUMBANE**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:15 mg/kg JPETAB 41,1,31

ims-rat LDLo:50 mg/kg JPETAB 41,1,31

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

SAFETY PROFILE: Poison by intravenous and intramuscular routes. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

TJT500 CAS: 56267-87-9 HR: 3
TRIETHYL LEAD PHOSPHATE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:8500 µg(Pb)/kg JPETAB 38,161,30

scu-rat LDLo:8500 µg(Pb)/kg JPETAB 38,161,30

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

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Pb and PO_x . See also LEAD COMPOUNDS and PHOSPHATES.

TJT750 CAS: 78-40-0 HR: 2

TRIETHYL PHOSPHATEmf: $C_6H_{15}O_4P$ mw: 182.18**PROP:** Pleasant smelling liquid. Mp: -56.5° , flash p: $240^\circ F$ (OC), d: 1.067–1.072 @ $20^\circ/20^\circ$, vap press: 1 mm @ 39.6° , vap d: 6.28, bp: $215-216^\circ$. Sol in most org solvs, water, alc, ether.**SYNS:** ETHYL PHOSPHATE □ TEP**TOXICITY DATA with REFERENCE:**

mmo-sat 160 mmol/L MUREAV 21,175,73

mmo-klp 5000 ppm MUREAV 16,413,72

mmo-omi 160 mmol/L MUREAV 21,175,73

sln-dmg-orl 10 mmol/L MUREAV 21,175,73

orl-rat LDLo:1600 mg/kg 34ZIAG -,605,69

ipr-rat LDLo:800 mg/kg 34ZIAG -,605,69

ivn-rat LDLo:1000 mg/kg NATUAS 179,154,57

orl-mus LD50:1500 mg/kg 85JCAE -,1129,86

ipr-mus LD50:485 mg/kg THERAP 15,237,60

orl-gpg LDLo:1600 mg/kg 34ZIAG -,605,69

ipr-gpg LDLo:800 mg/kg 34ZIAG -,605,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion, intraperitoneal, and intravenous routes. Experimental reproductive effects. Mutation data reported. Causes cholinesterase inhibition, but to a lesser extent than parathion. May be expected to cause nerve injury similar to that of other phosphate esters. Combustible when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use CO_2 , dry chemical, alcohol foam. When heated to decomposition it emits toxic fumes of PO_x . See also PARATHION.**TJT775 CAS: 554-70-1 HR: 3**
TRIETHYL PHOSPHINEmf: $C_6H_{15}P$ mw: 118.16 $P(CH_2CH_3)_3$ **PROP:** Pyrophoric liquid with vile, nauseating odor, stench. Bp: $128-128^\circ$, refr index: 1.4560, d: 0.0800, flash p: $1^\circ F$. Misc in EtOH, Et_2O ; insol in H_2O .**SAFETY PROFILE:** Highly flammable liquid. Reacts with oxygen at low temperatures to form an explosive product. When heated to decomposition it emits toxic fumes of PO_x . See also PHOSPHINE.**TJT780 CAS: 377-13-1 HR: 3**
TRIETHYL PHOSPHINE GOLD NITRATEmf: $C_6H_{15}AuNO_3P$ mw: 377.13 $(CH_3CH_2)_3P \cdot AuNO_3$ **SAFETY PROFILE:** The material explodes spontaneously when dry. When heated to decomposition it emits toxic fumes of PO_x and NO_x . See also PHOSPHINE, NITRATES, and GOLD.**TJT800 CAS: 122-52-1 HR: 3**
TRIETHYL PHOSPHITE**DOT:** UN 2323mf: $C_6H_{15}O_3P$ mw: 166.18**PROP:** A liquid with characteristic, obnoxious, phosphite odor. Bp: 156° , refr index: 1.4130, d: 0.969, flash p: $130^\circ F$.**SYN:** FOSFORYN TROJETYLOWY (CZECH)**TOXICITY DATA with REFERENCE:**

skn-mam 500 mg MLD MEPAAX 29,393,78

eye-mam 100 mg MLD MEPAAX 29,393,78

orl-rat LD50:1840 mg/kg JACTDZ 1,218,92

ihl-rat LD50:11,063 mg/ $m^3/6H$ JACTDZ 1,218,92

orl-mus LD50:3720 mg/kg JACTDZ 1,218,92

ihl-mus LC50:6203 mg/ $m^3/6H$ JACTDZ 1,218,92

skn-rbt LD50:2800 mg/kg JACTDZ 1,218,92

orl-rat LD50:3200 mg/kg ALBRW* #OPB-3,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by ingestion. A skin and eye irritant. Flammable liquid when exposed to heat, sparks, or flame. When heated to decomposition it emits toxic fumes of PO_x .**TJT900 CAS: 2404-78-6 HR: 3**
O,S,S-TRIETHYL PHOSPHORODITHIOATEmf: $C_6H_{15}O_2PS_2$ mw: 214.30**TOXICITY DATA with REFERENCE:**

orl-rat LD50:140 mg/kg DTESD7 8,631,80

ivn-rat LD50:95 mg/kg DTESD7 8,631,80

orl-mus LD50:126 mg/kg DTESD7 8,631,80

ivn-mus LD50:83 mg/kg DTESD7 8,631,80

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of PO_x and SO_x .**TJU000 CAS: 126-68-1 HR: 3**
TRIETHYL PHOSPHOROTHIOATEmf: $C_6H_{15}O_3PS$ mw: 198.24**PROP:** Colorless liquid; strong characteristic odor. Bp: $93.2-94^\circ$ @ 10 mm, flash p: $225^\circ F$ (COC), d: 1.074 @ $20/4^\circ$.**SYNS:** O,O,O-TRIETHYLESTER KYSELINY

THIOFOSFORECNE (CZECH) □ O,O,O-TRIETHYL

PHOSPHOROTHIOATE □ TRIETHYLTHIOFOSFAT (CZECH)

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:41 ppm/4H 28ZPAK -,207,72

ivn-rat LDLo:250 mg/kg NATUAS 179,154,57

SAFETY PROFILE: Poison by inhalation and intravenous routes. A cholinesterase inhibitor.Combustible when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits very toxic fumes of PO_x and SO_x . See also PARATHION.**TJU150 CAS: 2587-81-7 HR: 3**
TRIETHYLPLUMBYL ACETATEmf: $C_8H_{18}O_2Pb$ mw: 353.45**PROP:** White crystals from EtOH. Mp: 160° .**SYN:** ACETOXYTRIETHYLPLUMBANE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:57 mg/kg APFRAD 24,17,66

ipr-rat LD50:30 mg/kg APFRAD 24,17,66

orl-mus LD50:25 mg/kg APFRAD 24,17,66

ipr-mus LD50:15 mg/kg APFRAD 24,17,66

ivn-mus LD50:14 mg/kg CSLNX* NX#04715

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

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

TJU250 CAS: 994-43-4 HR: 2
TRIETHYLPROPYL GERMANE

mf: C₉H₂₂Ge mw: 202.90

TOXICITY DATA with REFERENCE:

orl-rat LDLo: 4700 mg/kg CHDDAT 262,1302,66

ipr-rat LDLo: 1430 mg/kg CHDDAT 262,1302,66

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also GERMANIUM COMPOUNDS.

TJU500 CAS: 18244-91-2 HR: 3
TRIETHYLSILYL PERCHLORATE

mf: C₆H₁₅ClO₄Si mw: 214.72
 (CH₃CH₂)₃SiOClO₃

SAFETY PROFILE: Explodes when heated. When heated to decomposition it emits toxic fumes of Cl⁻. See also PERCHLORATES.

TJU600 CAS: 12328-03-9 HR: 3
TRIETHYLSULFONIUM IODIDE BIS(MERCURIC IODIDE) addition compound

PROP: IDLH 10 mg/m³ (as Hg).

SYN: TRIETHYL-SULFONIUM, IODIDE, compound with MERCURY IODIDE (1:2)

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 18 mg/kg CSLNX* NX#01854

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

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of SO_x, I⁻, and Hg. See also IODIDES and MERCURY COMPOUNDS.

TJU750 CAS: 19493-75-5 HR: 3
TRIETHYLSULFONIUM IODIDE MERCURIC IODIDE addition compound

PROP: IDLH 10 mg/m³ (as Hg).

SYN: TRIETHYLSULFONIUM, IODIDE compounded with MERCURY IODIDE (1:1)

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 18 mg/kg CSLNX* NX#01851

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

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of SO_x, I⁻, and Hg. See also MERCURY COMPOUNDS and IODIDES.

TJU800 CAS: 1186-09-0 HR: 3
O,O,S-TRIETHYL THIOPHOSPHATE

mf: C₆H₁₅O₃PS mw: 198.24

PROP: A liquid. D: 1.11 @ 20°/4°, bp: 83–85° @ 3 mm.

SYNS: O,O-DIETHYL-S-ETHYL PHOSPHOROTHIOATE □ O,O,S-TRIETHYL PHOSPHOROTHIOATE

TOXICITY DATA with REFERENCE:

orl-rat LD50: 27 mg/kg DTESD7 8,631,80

ipr-rat LD50: 27 mg/kg FAATDF 4(2,Pt 2),S215,84

ivn-rat LD50: 27 mg/kg FAATDF 4(2,Pt 2),S215,84

orl-mus LD50: 170 mg/kg DTESD7 8,631,80

ivn-mus LD50: 90 mg/kg DTESD7 8,631,80

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

TJU850 CAS: 73926-90-6 HR: 3
TRIETHYLTIN BROMIDE-2-PIPECOLINE

mf: C₆H₁₅BrSn•C₆H₁₃N mw: 385.01

SYNS: BROMOTRIETHYLSTANNANE compounded with 2-PIPECOLINE (1:1) □ STANNANE, BROMOTRIETHYL-, compounded with 2-PIPECOLINE (1:1)

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 56 mg/kg CSLNX* NX#05989

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x, Sn, and Br⁻.

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

TJV000 CAS: 994-31-0 HR: 3
TRIETHYLTIN CHLORIDE

mf: C₆H₁₅ClSn mw: 241.35

PROP: Colorless liquid. D: 1.440 @ 20°/4°, mp: 15.5°, bp: 210°. Insol in water; sol in org solv.

SYNS: CHLOROTRIETHYLSTANNANE □ CHLOROTRIETHYL-TIN □ TRIETHYLCHLOROSTANNANE □ TRIETHYLCHLORO-TIN □ TRIETHYLSTANNYL CHLORIDE

TOXICITY DATA with REFERENCE:

dni-rbt:oth 10 µg/L JTEHD6 16,229,85

ipr-rat LD50: 5160 µg/kg FCTXAV 7,47,69

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 intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS and CHLORIDES.

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

TJV050 CAS: 997-50-2 HR: 3
TRIETHYLTIN HYDRIDE

mf: C₆H₁₆Sn mw: 206.91

SYNS: MONOHYDROTRIETHYLETAIN □ STANNANE, TRIETHYL- □ TRIETHYLSTANNANE □ TRIETHYLTIN

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:310 mg/kg COREAF 243,987,56

ivn-rbt LDLo:880 mg/kg COREAF 243,987,56

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg/m³ (skin)**SAFETY PROFILE:** A poison by intraperitoneal route. Moderately toxic by intravenous route. When heated to decomposition it emits toxic vapors of Sn.**TJV100** **HR: 3****TRIETHYLTIN HYDROPEROXIDE**mf: C₆H₁₆O₂Sn mw: 238.90(CH₃CH₂)₃SnOOH**SAFETY PROFILE:** Forms a highly explosive addition compound with hydrogen peroxide. See also PEROXIDES and TIN COMPOUNDS.**TJV250** **CAS: 1529-30-2** **HR: 3****TRIETHYLTIN PHENOXIDE**mf: C₁₂H₂₀OSn mw: 299.01**SYN:** PHENOXYTRIETHYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:7100 µg/kg CSLNX* NX#02823

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. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TJV500** **CAS: 123-12-6** **HR: 3****3,6,9-TRIETHYL-3,6,9-TRIAZAUNDECANE**mf: C₁₄H₃₃N₃ mw: 243.50**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#01684

CONSENSUS REPORTS: Reported in EPA TSCA inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x.**TJV775** **HR: 3****TRIETHYNYL ALUMINUM**mf: C₆H₃Al mw: 92.07(HC≡C)₃Al**SAFETY PROFILE:** Forms explosive complexes with dioxane; trimethylamine; diethyl ether. See also ACETYLIDES and ALUMINUM COMPOUNDS.**TJV785** **CAS: 687-81-0** **HR: 3****TRIETHYNYL ANTIMONY**mf: C₆H₃Sb mw: 196.85(HC≡C)₃Sb**PROP:** Volatile solid with strong odor. Mp: 71–72°.**CONSENSUS REPORTS:** Antimony and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Many antimony compounds are poisons. A friction-sensitive explosive. When heated to decomposition it emits toxic fumes of Sb. See also ANTIMONY COMPOUNDS and ACETYLENE COMPOUNDS.**TJW000** **CAS: 687-78-5** **HR: 3****TRIETHYNYLARSINE**mf: C₆H₃As mw: 150.01(HC≡C)₃As**PROP:** Colorless crystals. Mp: 49–50°.**CONSENSUS REPORTS:** Arsenic and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Arsenic compounds are poisons. An unstable explosive sensitive to strong friction. When heated to decomposition it emits toxic fumes of As. See also ARSENIC COMPOUNDS and ACETYLENE COMPOUNDS.**TJW250** **CAS: 687-80-9** **HR: 3****TRIETHYNYLPHOSPHINE**mf: C₆H₃P mw: 106.06(HC≡C)₃P**PROP:** Crystals. Mp: 36–37°, bp: 52° @ 30 mm.**SAFETY PROFILE:** A friction-sensitive explosive. A storage hazard, it decomposes at room temperature to form a spontaneously explosive product. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHINE and ACETYLENE COMPOUNDS.**TJW500** **CAS: 69-23-8** **HR: 3****TRIFLUMETHAZINE**mf: C₂₂H₂₆F₃N₃OS mw: 437.57**PROP:** Dark-brown viscous oil. Bp: 268–274° @ 0.5 mm. Sol in water.**SYNS:** ANATENSOL □ FLUPHENAZINE □ 10-(3-(2-HYDROXY-ETHYL)PIPERAZINOPROPYL)-2-(TRIFLUOROMETHYL)PHENOTHIAZINE □ 10-(3-(4-(2-HYDROXYETHYL)-1-PIPERAZINYL)PROPYL)-2-(TRIFLUOROMETHYL)PHENOTHIAZINE □ MODITEN □ OMCA □ PACINOL □ PERMITIL □ PROLIXINE □ SEVINOL □ 4-(3-(2-TRIFLUOROMETHYL-10-PHENOTHIAZYL)-PROPYL)-1-PIPERAZINEETHANOL □ YESPAZINE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:62 mg/kg (9D pre/1-22D preg):REP APEPA2 257,338,67

ipr-rat LD50:100 mg/kg TXAPA9 2,540,60

scu-rat LD50:640 mg/kg MDCHAG 4(2),199,67

orl-mus LD50:220 mg/kg TXAPA9 2,540,60

ipr-mus LD50:89 mg/kg TXAPA9 2,540,60

ivn-mus LD50:51 mg/kg TXAPA9 2,540,60

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by subcutaneous route. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and SO_x. See also FLUORIDES.**TJW600** **CAS: 605-75-4** **HR: 3****TRIFLUOPERAZINE DIMALEATE**mf: C₂₁H₂₄F₃N₃S•2C₄H₄O₄ mw: 639.70**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1150 mg/kg NIIRDN 6,524,82

ivn-mus LD50:30 mg/kg NIIRDN 6,524,82

ivn-dog LD50:50 mg/kg NIIRDN 6,524,82

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

TJX000 CAS: 407-25-0 HR: 2
TRIFLUOROACETIC ACID ANHYDRIDE

mf: $C_4F_6O_3$ mw: 210.04

PROP: Bp: 39.5°.
 $F_3CCO \cdot OCO \cdot CF_3$

SYNS: ANHYDRID KYSELINY TRIFLUOROCTOVE (CZECH) □ BIS(TRIFLUOROACETIC) ANHYDRIDE □ HEXAFLUOROACETIC ANHYDRIDE □ PERFLUOROACETIC ANHYDRIDE □ TRIFLUOROACETIC ANHYDRIDE □ TRIFLUOROACETYL ANHYDRIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,91,72

eye-rbt 5 mg/24H SEV 28ZPAK -,91,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A severe skin and eye irritant. Explosive reaction with dimethyl sulfoxide; nitric acid + 1,3,5-triazine (at 36°C); nitric acid + 1,3,5-triacetylhexahydro-1,3,5-triazine (at 30°C). Incompatible with lithium tetrahydroaluminate. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES and ANHYDRIDES.

TJX250 CAS: 429-30-1 HR: 3
TRIFLUOROACETIC ACID TRIETHYLSTANNYL ESTER

mf: $C_8H_{15}F_3O_2Sn$ mw: 318.92

SYN: TRIETHYL(TRIFLUOROACETOXY) STANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:11,200 µg/kg CSLNX* NX#05827

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. When heated to decomposition it emits toxic fumes of F^- . See also TIN COMPOUNDS, FLUORIDES, and ESTERS.

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

TJX300 CAS: 26295-56-7 HR: D
N-TRIFLUOROACETYLADRIAMYCIN

mf: $C_{29}H_{28}F_3NO_{12}$ mw: 639.58

SYNS: AD 41 □ 5,12-NAPHTHACENEDIONE, 7,8,9,10-TETRAHYDRO-8-(HYDROXYACETYL)-1-METHOXY-10-((2,3,6-TRIDEOXY-3-(TRIFLUOROACETAMIDO)- α -L-LYXO-HEXOPYRANOSYL)OXY)-6,8,11-TRIHYDROXY-, (8S-CIS)- □ N-TRIFLUOROACETYLDOXORUBICIN

TOXICITY DATA with REFERENCE:

dnd-hmn-lym 1 mg/L CNREA8 39,448,1979

dni-hmn-lym 10 mg/L CNREA8 39,448,1979

dnd-mus-leu 9 µmol/L CNREA8 41,1006,1981

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

TJX350 CAS: 56124-62-0 HR: 3
TRIFLUOROACETYLADRIAMYCIN-14-VALERATE

mf: $C_{34}H_{36}F_3NO_{13}$ mw: 723.71

SYNS: AD 32 □ ANTIBIOTIC AD 32 □ NSC-246131 □ N-TRIFLUOROACETYLADRIAMYCIN-14-VALERATE

TOXICITY DATA with REFERENCE:

dnd-hmn-lym 3 mg/L CJBIAE 58,720,80

oms-hmn-lym 1 mg/L CNREA8 41,2745,81

ipr-mus LD50:109 mg/kg NCISP* JAN86

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

TJX375 CAS: 23292-52-6 HR: 3
TRIFLUOROACETYL AZIDE

mf: $C_2F_3N_3O$ mw: 139.04

SAFETY PROFILE: An explosive sensitive to mechanical or thermal shock. When heated to decomposition it emits toxic fumes of F^- and NO_x . See also AZIDES and FLUORIDES.

TJX500 CAS: 354-32-5 HR: 2
TRIFLUOROACETYL CHLORIDE

DOT: UN 3057

SYN: PERFLUOROACETYL CHLORIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas, Corrosive

SAFETY PROFILE: Corrosive to skin, eyes, and materials. When heated to decomposition it emits very toxic fumes of F^- and Cl^- . See also FLUORIDES and CHLORIDES.

TJX600 CAS: 87050-94-0 HR: 3
2-TRIFLUOROACETYL-1,3,4-DIOXAZALONE

mf: $C_3F_3NO_3$ mw: 155.03

SAFETY PROFILE: Explodes when heated. It is not sensitive to mechanical shock. When heated to decomposition it emits toxic fumes of F^- and NO_x . See also FLUORIDES.

TJX625 CAS: 27961-70-2 HR: 3
O-TRIFLUOROACETYL-S-FLUOROFORMYL THIOPEROXIDE

mf: $C_3F_4O_3S$ mw: 192.08

SAFETY PROFILE: May explode spontaneously. When heated to decomposition it emits toxic fumes of F^- and SO_x . See also PEROXIDES and FLUORIDES.

TJX650 CAS: 65597-25-3 HR: 3
TRIFLUOROACETYL HYPOCHLORITE

mf: $C_2ClF_3O_2$ mw: 148.47

SAFETY PROFILE: Thermally unstable. The gas is explosive. When heated to decomposition it emits toxic

fumes of F^- and Cl^- . See also HYPOCHLORITES and FLUORIDES.

TJX750 CAS: 359-46-6 HR: 3
TRIFLUOROACETYL HYPOFLUORITE

mf: $C_2F_4O_2$ mw: 132.01

SAFETY PROFILE: An explosive sensitive to sparks or contact with aqueous potassium iodide. Incompatible with water. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES and HYPOCHLORITES.

TJX775 HR: 3
TRIFLUOROACETYLMINOIODOBENZENE

mf: $C_8H_5F_3INO$ mw: 315.03

SAFETY PROFILE: Explodes when heated to 100°C. When heated to decomposition it emits toxic fumes of F^- , I^- , and NO_x . See also FLUORIDES and IODIDES.

TJX780 CAS: 667-29-8 HR: 3
TRIFLUOROACETYL NITRITE

mf: $C_2F_3NO_3$ mw: 143.02

PROP: Golden-yellow liquid. D: 1.607 @ 20°/4°, bp: 101° @ 750 mm.

SAFETY PROFILE: The vapor explodes at 160–200°C. When heated to decomposition it emits toxic fumes of F^- and NO_x . See also NITRITES and FLUORIDES.

TJX800 CAS: 68602-57-3 HR: 3
TRIFLUOROACETYL TRIFLUOROMETHANE SULFONATE

mf: $C_3F_6O_4S$ mw: 138.14

SAFETY PROFILE: Violent reaction with water. When heated to decomposition it emits toxic fumes of F^- and SO_x . See also FLUORIDES.

TJX825 CAS: 667-49-2 HR: 3
TRIFLUOROACRYLOYL FLUORIDE

mf: C_3F_4O mw: 128.03

SAFETY PROFILE: Reaction with sodium azide forms a highly explosive solid. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES.

TJX900 CAS: 3862-73-5 HR: 2
2,3,4-TRIFLUOROANILINE

mf: $C_6H_4F_3N$ mw: 147.11

PROP: A liquid. Bp: 92°/48 mm Hg, d: 1.395, flash p: 155° F.

SYNS: ANILINE, 2,3,4-TRIFLUORO- □ BENZENAMINE, 2,3,4-TRIFLUORO- □ TEA □ 2,3,4-TEA

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD JACTDZ 1,61,90

eye-rbt 10 mg/30S RNS MOD JACTDZ 1,61,90

orl-rat LD50:699 mg/kg JACTDZ 1,61,90

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

TJY000 CAS: 354-06-3 HR: 1
1,1,2-TRIFLUORO-1-BROMO-2-CHLORO-ETHANE

mf: $C_2HBrClF_3$ mw: 197.39

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:35,000 ppm/17M ANASAB 17,337,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by inhalation. When heated to decomposition it emits very toxic fumes of F^- , Cl^- , and Br^- .

TJY100 CAS: 75-63-8 HR: 1
TRIFLUOROBROMOMETHANE

DOT: UN 1009

mf: $CBrF_3$ mw: 148.92

PROP: A gas. D: 1.58, fp: -168°, bp: -57.8°. IDLH 40,000 ppm.

SYNS: BROMOFLUOROFORM □ BROMOTRIFLUOROMETHANE □ F-13B1 □ FREON 13B1 □ HALON 1301 □ R13B1 (DOT) □ TRIFLUOROMONOBROMOMETHANE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:84,000 ppm/15M 85INA8 6,1640,91

ihl-mus LC50:381 g/m³ GTPZAB 26(8),53,82

ihl-gpg LC50:88,000 ppm/15M 85INA8 6,1640,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1000 ppm

ACGIH TLV: TWA 1000 ppm

DFG MAK: 1000 ppm (6200 mg/m³)

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas

SAFETY PROFILE: Mildly toxic by inhalation.

Incompatible with aluminum. When heated to decomposition it emits toxic fumes of F^- and Br^- . See also BROMIDES and FLUORIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: see Bromotrifluoromethane, 1017.

TJY175 CAS: 75-88-7 HR: 3
2,2,2-TRIFLUOROCHLOROETHANE

mf: $C_2H_2ClF_3$ mw: 118.49

PROP: A liquid. D: 1.389 @ 0°/4°, fp: -105.5°, bp: 6.1°.

SYNS: CFC 133a □ 1-CHLORO-2,2,2-TRIFLUOROETHANE □ 2-CHLORO-1,1,1-TRIFLUOROETHANE □ FC 133a □ FREON 133a □ GENETRON 133a □ R 133a □ 1,1,1-TRIFLUORO-2-CHLOROETHANE □ 1,1,1-TRIFLUOROETHYL CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:78 g/kg/1Y-I:CAR,REP TXAPA9 72,15,84

ihl-mus LC50:15 pph/1H BJANAD 37,716,65

CONSENSUS REPORTS: IARC Cancer Review:

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

IMEMDT 41,253,86. Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by inhalation.

Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of F^- .

TJY200 CAS: 460-35-5 HR: 3
1,1,1-TRIFLUORO-3-CHLOROPROPANE

mf: $C_3H_4ClF_3$ mw: 132.52

SYNS: 1-CHLORO-3,3,3-TRIFLUOROPROPANE □ 3-CHLORO-1,1,1-TRIFLUOROPROPANE □ FREON 253 □ PROPANE, 3-CHLORO-1,1,1-TRIFLUORO-

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:1800 mg/m³/2H 85GMAT -,115,82

orl-mus LD50:62 mg/kg GISAAA 28(12),9,63

ihl-mus LC50:800 mg/m³/2H 85GMAT -,115,82

ihl-rbt LCLo:2300 mg/m³/2H 85GMAT -,115,82

CONSENSUS REPORTS: Reported in EPA TSCA inventory.

SAFETY PROFILE: A poison by ingestion. Moderately toxic by inhalation. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.

TJY275 CAS: 371-67-5 HR: 3
2,2,2-TRIFLUORODIAZOETHANE

mf: C₂HF₃N₂ mw: 110.04

SAFETY PROFILE: An unstable explosive nearly as powerful as TNT. When heated to decomposition it emits toxic fumes of F⁻ and NO_x. See also FLUORIDES.

TJY500 CAS: 306-83-2 HR: 3
1,1,1-TRIFLUORO-2,2-DICHLOROETHANE

mf: C₂HCl₂F₃ mw: 152.93

PROP: A liquid. D: 1.475 @ 15°/4°, mp: -107°, bp: 28.7°.

SYNS: 2,2-DICHLORO-1,1,1-TRIFLUOROETHANE □ FC 123 □ FREON 123 □ R 123

TOXICITY DATA with REFERENCE:

ihl-mus LC50:74000 ppm/1H BJANAD 37,716,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Suspected carcinogen. Moderately toxic by inhalation. When heated to decomposition it emits very toxic fumes of F⁻ and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.

TJY750 CAS: 354-23-4 HR: 3
1,1,2-TRIFLUORO-1,2-DICHLOROETHANE

mf: C₂HCl₂F₃ mw: 152.93

PROP: A liquid. D: 1.498 @ 27.4°/4°, bp: 28-30°.

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:15 pph/2M ANASAB 16,3,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and FLUORIDES.

TJY900 CAS: 420-46-2 HR: D
1,1,1-TRIFLUOROETHANE

mf: C₂H₃F₃ mw: 84.05

SYNS: ETHANE, 1,1,1-TRIFLUORO- □ FC143a □ FLUORO-CARBON FC143a □ METHYLFLUOROFORM □ R 143a □ 1,1,1-TRIFLUOROFORM

TOXICITY DATA with REFERENCE:

mma-sat 50 pph/48H TXAPA9 72,15,84

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

TJY950 CAS: 430-66-0 HR: 1
1,1,2-TRIFLUOROETHANE

mf: C₂H₃F₃ mw: 84.05

SYNS: ETHANE, 1,1,2-TRIFLUORO- □ R 143

TOXICITY DATA with REFERENCE:

ihl-rbt LCLo:25 g/m³/6H GTPZAB 8(10),21,64

ihl-gpg LCLo:25 g/m³/4H GTPZAB 8(10),21,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by inhalation route. When heated to decomposition it emits toxic vapors of F⁻.

TJZ000 CAS: 421-53-4 HR: 2
2,2,2-TRIFLUORO-1,1-ETHANEDIOL

mf: C₂H₃F₃O₂ mw: 116.05

SYNS: FLUORAL HYDRATE □ TRIFLUOROACETALDEHYDE HYDRATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:600 mg/kg JMCMA 13,1212,70

ipr-mus LD50:600 mg/kg JMCMA 13,1212,70

ivn-mus LD50:660 mg/kg AMEBA7 46,242,68

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

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of F⁻. See also ALDEHYDES and FLUORIDES.

TKA250 CAS: 76-05-1 HR: 3
TRIFLUOROETHANOIC ACID

DOT: UN 2699

mf: C₂HF₃O₂ mw: 114.03

PROP: Colorless liquid; strong pungent odor. Mp: -15.25°, bp: 71.1° @ 734 mm, d: 1.535 @ 0°. Misc in water.

SYNS: KYSELINA TRIFLUOROCTOVA □ PERFLUOROACETIC ACID □ TRIFLUORACETIC ACID □ TRIFLUOROACETIC ACID (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg 14CYAT 2,1802,63

ihl-rat LC50:10 g/m³ GTPZAB 10(3),13,66

ihl-mus LC50:13,500 mg/m³ GTPZAB 10(3),13,66

ipr-mus LDLo:150 mg/kg TXAPA9 15,83,69

ivn-mus LD50:1200 mg/kg AMEBA7 46,242,68

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

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by intravenous route. Mildly toxic by inhalation. A corrosive irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits toxic fumes of F⁻. Used as a strong organic acid catalyst.

TKA350 CAS: 75-89-8 HR: 3

2,2,2-TRIFLUOROETHANOLmf: C₂H₃F₃O mw: 100.05**PROP:** Liquid. Bp: 103–105° @ 742 mm, d: 1.288, refr index: <1.3000.**SYN:** TFE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV 28ZPAK -,78,72
 eye-rbt 20 mg/24H MOD 28ZPAK -,78,72
 eye-rbt 100 mg/20S rns SEV NTIS** LMF-84
 orl-rat LD50:240 mg/kg 34ZIAG -,607,69
 skn-rat LD50:1680 mg/kg 34ZIAG -,607,69
 ipr-rat LD50:210 mg/kg TXAPA9 71,84,83
 orl-mus LD50:366 mg/kg TXAPA9 15,83,69
 ihl-mus LC50:2900 mg/m³ GTPZAB 13(10),29,69
 ipr-mus LD50:158 mg/kg AMEBA7 46,242,68
 ivn-mus LD50:250 mg/kg AMEBA7 46,242,68
 ivn-dog LDLo:400 mg/kg TXAPA9 15,83,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. Moderately toxic by inhalation and skin contact. Experimental reproductive effects. A severe skin and eye irritant. When heated to decomposition it emits toxic fumes of F⁻.**TKA400 CAS: 359-11-5 HR: 1**
TRIFLUOROETHENEmf: C₂HF₃ mw: 82.03**SYN:** ETHENE, TRIFLUORO-**TOXICITY DATA with REFERENCE:**ihl-mus TCLo:2,000,000 mg/m³/2H VCVGH*,288,1990**SAFETY PROFILE:** Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of F⁻.**TKA500 CAS: 753-90-2 HR: 3**
2,2,2-TRIFLUOROETHYLAMINEmf: C₂H₄F₃N mw: 99.07**PROP:** A liquid. Bp: 36°, refr index: 1.3010, d: 1.245, flash p: 2° F.**TOXICITY DATA with REFERENCE:**ihl-mus LC50:4170 mg/m³/2H 85JCAE -,606,86**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by inhalation. Corrosive. Highly flammable liquid. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x. See also FLUORIDES and AMINES.**TKA750 CAS: 373-88-6 HR: 2**
TRIFLUOROETHYLAMINE HYDROCHLORIDEmf: C₂H₄F₃N•ClH mw: 135.53**PROP:** Hygroscopic. Mp: 220–222° (subl).**TOXICITY DATA with REFERENCE:**

unr-mus LD50:476 mg/kg 11FYAN 3,81,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by unspecified route. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and HCl. See also FLUORIDES and AMINES.**TKA950 CAS: 351-61-1 HR: 3**
N-(2,2,2-TRIFLUOROETHYL)ANILINEmf: C₈H₈F₃N mw: 175.17**SYN:** ANILINE, N-(2,2,2-TRIFLUOROETHYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:250 µL/kg CBCCT* 2,184,50

ivn-mus LD50:180 mg/kg CSLNX* NX#00012

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x and F⁻.**TKB250 CAS: 406-90-6 HR: 3**
2,2,2-TRIFLUOROETHYL VINYL ETHERmf: C₄H₅F₃O mw: 126.09**PROP:** A liquid. D: 1.14 @ 20°/4°, bp: 42.5° @ 751 mm.**SYNS:** FLOROXENE □ FLUOOXENE □ FLUOROMAR □ FLUOROXENE □ FLUORXENE □ FLUOROXENE □ (2,2-TRIFLUOROETHOXY)ETHENE**TOXICITY DATA with REFERENCE:**

mmo-sat 3 pph/2H MUREAV 58,183,78

sln-dmg-ihl 2 pph/1H ANESAV 62,305,85

ihl-mky TCLo:8 pph/20M (22W preg):TER AANEAB 20,183,76

ihl-man TCLo:2 pph/90M:LIV ANESAV 37,462,72

ipr-rat LD50:5600 mg/kg TXAPA9 71,84,83

ihl-mus LCLo:4 pph/1H BJANAD 48,399,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**NIOSH REL:** (Waste Anesthetic Gases) CL 2 ppm/1H**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by intraperitoneal route. An experimental teratogen. Human systemic effects by inhalation: jaundice and liver function tests impaired. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of F⁻. Used as an anesthetic. See also FLUORIDES and ETHERS.**TKB275 CAS: 31330-22-0 HR: 3**
N,N,N'-TRIFLUOROHXANAMIDINEmf: C₆H₁₁F₃N₂ mw: 168.16C₅H₁₁C(NF)NF₂**SAFETY PROFILE:** A shock-sensitive explosive. When heated to decomposition it emits toxic fumes of F⁻ and NO_x. See also FLUORIDES.**TKB285 CAS: 101931-68-4 HR: 3**
(3,3,3-TRIFLUORO-2-HYDROXY-2-(TRIFLUORO-METHYL))PROPYL BENZYL KETONEmf: C₁₂H₁₀F₆O₂ mw: 300.22**SYN:** 2-PENTANONE, 4-HYDROXY-1-PHENYL-5,5,5-TRIFLUORO-4-(TRIFLUOROMETHYL)-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:100 mg/kg CSLNX* NX#09216

DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: A poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of F⁻.**TKB286 CAS: 66332-96-5 HR: 1**
α-α-α-TRIFLUORO-3'-ISOPROPOXY-α-

TOLUANILIDEmf: C₁₇H₁₆F₃NO₂ mw: 323.34

SYNS: BENZAMIDE, N-(3-(1-METHYLETHOXY)PHENYL)-2-(TRIFLUOROMETHYL)-
 (TRIFLUOROMETHYL)- □ FLUTOLANIL □ N-(3-(1-METHYLETHOXY)PHENYL)-2-(TRIFLUOROMETHYL)-
 BENZAMIDE □ MONCUT □ NNF-136

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 g/kg FMCHA2 -,C209,91
 skn-rat LD50:>5 g/kg JPIFAN (47),23,85
 ipr-rat LD50:>10 g/kg NNGADV 13,153,88
 scu-rat LD50:>10 g/kg NNGADV 13,153,88
 orl-mus LD50:>10 g/kg PEMNDP 9,426,91
 ipr-mus LD50:>10 g/kg NNGADV 13,153,88
 scu-mus LD50:>10 g/kg NNGADV 13,153,88

SAFETY PROFILE: Low toxicity by ingestion, skin contact, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits toxic vapors of NO_x and F⁻.

TKB287 CAS: 108682-53-7 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL
ESTER DIBUTYL PHOSPHATE

mf: C₁₂H₂₂F₃O₆P mw: 350.31

SYNS: LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIBUTYL PHOSPHATE □ PROPANOIC ACID, 3-((DIBUTOXYPHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1460 mg/kg BIOKHI 13,33,87

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

TKB289 CAS: 108682-51-5 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL
ESTER DIETHYL PHOSPHATE

mf: C₈H₁₄F₃O₆P mw: 294.19

SYNS: LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIETHYL PHOSPHATE □ PROPANOIC ACID, 2-((DIETHOXYPHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

unr-mus LD50:2 g/kg BIOKHI 13,33,87

SAFETY PROFILE: Moderately toxic by an unreported route. When heated to decomposition it emits toxic vapors of PO_x and F⁻.

TKB290 CAS: 108682-55-9 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL
ESTER DIHEXYL PHOSPHATE

mf: C₁₆H₃₀F₃O₆P mw: 406.43

SYNS: LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIHEXYL PHOSPHATE □ PROPANOIC ACID, 2-((BIS(HEXYLOXY)PHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

unr-mus LD50:1 g/kg BIOKHI 13,33,87

SAFETY PROFILE: Moderately toxic by an unreported route. When heated to decomposition it emits toxic vapors of PO_x and F⁻.

TKB292 CAS: 108682-57-1 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL

ESTER DIISOBUTYL PHOSPHATEmf: C₁₂H₂₂F₃O₆P mw: 350.31

SYNS: LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIISOBUTYL PHOSPHATE □ PROPANOIC ACID, 2-((BIS(2-METHYLPROPOXY)PHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

unr-mus LD50:890 mg/kg BIOKHI 13,33,87

SAFETY PROFILE: Moderately toxic by an unreported route. When heated to decomposition it emits toxic vapors of PO_x and F⁻.

TKB294 CAS: 108682-50-4 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL
ESTER DIMETHYL PHOSPHATE

mf: C₆H₁₀F₃O₆P mw: 266.13

SYNS: LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIMETHYL PHOSPHATE □ PROPANOIC ACID, 2-((DIMETHOXYPHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

unr-mus LD50:1040 mg/kg BIOKHI 13,33,87

SAFETY PROFILE: Moderately toxic by an unreported route. When heated to decomposition it emits toxic vapors of PO_x and F⁻.

TKB296 CAS: 108682-54-8 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL
ESTER DIPENTYL PHOSPHATE

mf: C₁₄H₂₆F₃O₆P mw: 378.37

SYNS: LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIPENTYL PHOSPHATE □ PROPANOIC ACID, 2-((BIS(PENTYLOXY)PHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

unr-mus LD50:1140 mg/kg BIOKHI 13,33,87

SAFETY PROFILE: Moderately toxic by an unreported route. When heated to decomposition it emits toxic vapors of PO_x and F⁻.

TKB298 CAS: 108698-12-0 HR: 2
3,3,3-TRIFLUOROLACTIC ACID METHYL
ESTER DIPROPYL PHOSPHATE

mf: C₁₀H₁₈F₃O₆P mw: 322.25

SYNS: PROPANOIC ACID, 2-((DIPROPOXYPHOSPHINYL)OXY)-3,3,3-TRIFLUORO-, METHYL ESTER □ LACTIC ACID, 3,3,3-TRIFLUORO-, METHYL ESTER, DIPROPYL PHOSPHATE

TOXICITY DATA with REFERENCE:

unr-mus LD50:1140 mg/kg BIOKHI 13,33,87

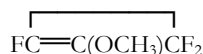
SAFETY PROFILE: Moderately toxic by an unreported route. When heated to decomposition it emits toxic vapors of PO_x and F⁻.

TKB300 CAS: 421-17-0 HR: 3
TRIFLUOROMETHANESULFENYL CHLORIDE

mf: CClF₃S mw: 136.52

PROP: Gas condensing to a golden-yellow liquid. Bp: -0.7°.

SAFETY PROFILE: Explosive reaction with chlorine fluorides. When heated to decomposition it emits toxic fumes of F⁻, Cl⁻, and SO_x. See also FLUORIDES.

TKB310 CAS: 1493-13-6 HR: 3
TRIFLUOROMETHANE SULFONIC ACIDmf: $\text{CHF}_3\text{O}_3\text{S}$ mw: 150.08**PROP:** A liquid. Hygroscopic. Bp: 162°, refr index: 1.3270, d: 1.696, flash p: none.**SYN:** TRIFLIC ACID**SAFETY PROFILE:** A corrosive irritant to the skin, eyes, and mucous membranes. A strong acid. Violent reaction with acyl chlorides or aromatic hydrocarbons evolves toxic hydrogen chloride gas. When heated to decomposition it emits toxic fumes of F^- and SO_x . See also FLUORIDES.**TKB325 CAS: 59034-32-1 HR: 3**
1,3,3-TRIFLUORO-2-METHOXYCYCLOPROPENEmf: $\text{C}_4\text{H}_3\text{F}_3\text{O}$ mw: 122.07**SAFETY PROFILE:** Explosive reaction with water or methanol. A preparative hazard. When heated to decomposition it emits toxic fumes of F^- . See also FLUORIDES.**TKB350 CAS: 344-62-7 HR: 2**
2'-(TRIFLUOROMETHYL)ACETANILIDEmf: $\text{C}_9\text{H}_8\text{F}_3\text{NO}$ mw: 203.18**SYNS:** ACETAMIDE, N-(2-(TRIFLUOROMETHYL)PHENYL)-(9CI) □ ACETANILIDE, 2-TRIFLUOROMETHYL- □ o-ACETOTOLUIDIDE, α,α,α -TRIFLUORO- □ N-(2-(TRIFLUOROMETHYL)PHENYL)ACETAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1210 mg/kg TXAPA9 19,20,1971

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and F^- .**TKB750 CAS: 455-14-1 HR: 3**
p-TRIFLUOROMETHYLANILINEmf: $\text{C}_7\text{H}_6\text{F}_3\text{N}$ mw: 161.14**PROP:** Bp: 90–91° @ 20 mm.**SYNS:** p-AMINOBENZOTRIFLUORIDE □ α,α,α -TRIFLUORO-p-TOLUIDINE**TOXICITY DATA with REFERENCE:**

mmo-sat 10 mg/L ENMUDM 5,803,83

mmo-esc 10 mg/L ENMUDM 5,803,83

ipr-mus LD50:101 mg/kg JMCAR 17,900,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of F^- and NO_x . See also FLUORIDES.**TKB775 CAS: 368-53-6 HR: 2**
5-(TRIFLUOROMETHYL)-1,3-BENZENEDIAMINEmf: $\text{C}_7\text{H}_7\text{F}_3\text{N}_2$ mw: 176.16**SYNS:** 1,3-BENZENEDIAMINE, 5-(TRIFLUOROMETHYL)- □ 3,5-BENZOTRIFLUORODIAMINE □ 3,5-DIAMINOBENZO-TRIFLUORIDE □ TOLUENE-3,5-DIAMINE, α,α,α -TRIFLUORO-(8CI) □ α,α,α -TRIFLUOROTOLUENE-3,5-DIAMINE**TOXICITY DATA with REFERENCE:**

mmo-sat 500 µg/plate EPASR* 8EHQ-1190-1113

mma-sat 1 mg/plate EPASR* 8EHQ-1190-1113

msc-mus:lyms 20 mg/L EMMUEG 19(Suppl 20),4,92

orl-rat LDLo:500 mg/kg EPASR* 8EHQ-1190-1113

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and F^- .**TKB800 CAS: 312-73-2 HR: 3**
2-TRIFLUOROMETHYL BENZIMIDAZOLEmf: $\text{C}_8\text{H}_5\text{F}_3\text{N}_2$ mw: 186.15**SYNS:** 1H-BENZIMIDAZOLE, 2-(TRIFLUOROMETHYL)- □ BENZIMIDAZOLE, 2-TRIFLUOROMETHYL-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:28 mg/kg PSSCBG 15,31,1984

ivn-mus LD50:56 mg/kg CSLNX* NX#07536

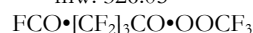
SAFETY PROFILE: A poison by ingestion and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x and F^- .**TKC000 CAS: 52833-75-7 HR: 2**
4-TRIFLUOROMETHYL-6H-BENZO(e)(1)BENZO-THIOPYRANO(4,3-b)INDOLEmf: $\text{C}_{20}\text{H}_{12}\text{F}_3\text{NS}$ mw: 355.39**TOXICITY DATA with REFERENCE:**

scu-mus TDLo:92 mg/kg/9W-I:NEO MUREAV 66,307,79

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of F^- , NO_x , and SO_x .**TKD000 CAS: 57165-71-6 HR: 3**
6-TRIFLUOROMETHYLCYCLOPHOSPHAMIDEmf: $\text{C}_8\text{H}_{14}\text{Cl}_2\text{F}_3\text{N}_2\text{O}_2\text{P}$ mw: 329.11**SYNS:** 2-(BIS(2-CHLOROETHYL)AMINO)-6-TRIFLUORO-METHYLTETRAHYDRO-2H-1,3,2-OXAZAPHOSPHORINE 2-OXIDE □ TETRAHYDRO-2-(BIS(2-CHLOROETHYL)AMINO)-6-TRIFLUOROMETHYL-2H-1,3,2-OXAZAPHOSPHORINE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:224 mg/kg JMCAR 18,1106,75

ipr-mus LD50:400 mg/kg JMCAR 18,1106,75

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of Cl^- , F^- , NO_x , and PO_x . See also FLUORIDES.**TKD325 HR: D**
3'-TRIFLUOROMETHYL-4-DIMETHYLAMINO-AZOBENZENEmf: $\text{C}_{15}\text{H}_{14}\text{F}_3\text{N}_3$ mw: 293.32**SAFETY PROFILE:** An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F^- and NO_x .**TKD350 CAS: 32750-98-4 HR: 3**
TRIFLUOROMETHYL-3-FLUOROCARBONYL HEXAFLUORO-PEROXYBUTYRATEmf: $\text{C}_6\text{F}_{10}\text{O}_4$ mw: 326.05

SAFETY PROFILE: Explodes when heated to 70°C. When heated to decomposition it emits toxic fumes of F⁻. See also PEROXIDES and FLUORIDES.

TKD375 CAS: 373-91-1 HR: 3
TRIFLUOROMETHYL HYPOFLUORITE

mf: CF₄O mw: 104.00

PROP: Gas having odor similar to F₂ or OF₂. When liquefied has pale straw color. Mp: @ 1–215°, bp: –95°.

SAFETY PROFILE: A powerful oxidant. Explodes on contact with acetylene, cyclopropane, ethylene, hydrogen-containing solvents, polymers, and rubber. Solutions in benzene are spark- and UV light-sensitive explosives. Reacts with pyridine to form an explosive product. When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES and HYPOCHLORITES.

TKD390 CAS: 37094-61-4 HR: D
α-(8-(TRIFLUOROMETHYL)NAPHTHO(2,1-B)THIEN-4-YL)-1-PIPERIDINEETHANOL HYDROCHLORIDE

mf: C₂₀H₂₀F₃NOS•ClH mw: 415.93

SYN: 1-PIPERIDINEETHANOL, α-(8-(TRIFLUOROMETHYL)-NAPHTHO(2,1-B)THIEN-4-YL)-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

dnd-unr-lym 1 mmol/L JMC MAR 16,1366,1973

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

TKD400 CAS: 88-30-2 HR: 3
3-TRIFLUOROMETHYL-4-NITROPHENOL

mf: C₇H₄F₃NO₂ mw: 207.12

SYNS: m-CRESOL, 4-NITRO-α,α,α-TRIFLUORO- □ DOWLAP F □ LAMPRECID □ 4-NITRO-3-TRIFLUOROMETHYLPHENOL □ PHENOL, 4-NITRO-3-(TRIFLUOROMETHYL)- □ PHENOL, m-TRIFLUOROMETHYL- □ m-CRESOL, α,α,α-TRIFLUORO-4-NITRO- □ USAF MA-6

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:40 mg/kg TXAPA9 20,216,1971

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

ivn-mus LDLo:86 mg/kg 11FYAN 3,84,1963

orl-unr LD50: 500 mg/kg 28ZEAL 5,89,1976

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

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

TKE500 CAS: 117-89-5 HR: 3
TRIFLUOROMETHYLPERAZINE

mf: C₂₁H₂₄F₃N₃S mw: 407.54

PROP: Bp: 202–210° @ 0.7 mm.

SYNS: FLUOPERAZINE □ JATRONEURAL □ 10-(γ-(N'-METHYLPIPERAZINO)PROPYL)-2-TRIFLUOROMETHYL-PHENOTHIOZINE □ 10-(3-(4-METHYL-1-PIPERAZINYL)PROPYL)-2-(TRIFLUOROMETHYL) PHENOTHIAZINE □ STELAZINE □ STELLAZINE □ TERFLUZINE □ TRIFLUOPERAZINA (ITALIAN) □ TRIFLUOPERAZINE □ TRIFLUOROMETHYL-10-

(3'-(1-METHYL-4-PIPERAZINYL)PROPYL)PHENOTHIAZINE □ TRIFLUOPERAZINE □ TRIPHTHIAZINE

TOXICITY DATA with REFERENCE:

mno-sat 2500 µg/L INJHA9 12,21,80

hma-mus/sat 144 mg/kg INJHA9 12,21,80

ipr-mus LD50:175 mg/kg ARZNAD 21,1727,71

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and SO_x. Used as an antipsychotic and sedative. See also FLUORIDES.

TKE525 CAS: 50311-48-3 HR: 3
TRIFLUOROMETHYL PEROXONITRATE

mf: CF₃NO₄ mw: 147.01

PROP: Colorless gas. Bp: 0.9° (extrapolated).

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

TKE550 CAS: 33017-08-2 HR: 3
TRIFLUOROMETHYL PEROXYACETATE

mf: C₃H₃F₃O₃ mw: 144.05

SAFETY PROFILE: Explodes violently at 22°C. When heated to decomposition it emits toxic fumes of F⁻. See also PEROXIDES and FLUORIDES.

TKE750 CAS: 98-17-9 HR: 3
3-(TRIFLUOROMETHYL)PHENOL

mf: C₇H₅F₃O mw: 162.12

SYN: α,α,α-TRIFLUORO-m-CRESOL

TOXICITY DATA with REFERENCE:

ivn-rat LD50:57 mg/kg JAPMA8 38,570,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES.

TKE775 CAS: 92-30-8 HR: 3
2-(TRIFLUOROMETHYL)PHENOTHIAZINE

mf: C₁₃H₈F₃NS mw: 267.28

SYN: PHENOTHIAZINE, 2-(TRIFLUOROMETHYL)-

TOXICITY DATA with REFERENCE:

orl-mus LD50:520 mg/kg TPKVAL 12,110,71

ivn-mus LD50:32 mg/kg CSLNX* NX#07426

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and F⁻.

TKF000 CAS: 2338-76-3 HR: 3
m-TRIFLUOROMETHYLPHENYLACETONITRILE

mf: C₁₉H₆F₃N mw: 185.16

SYN: 3-(TRIFLUOROMETHYL)BENZENEACETONITRILE

TOXICITY DATA with REFERENCE:

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

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

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of F^- , NO_x , and CN^- . See also NITRILES.

TKF100 CAS: 82317-97-3 HR: D
6-(3-(m-(TRIFLUOROMETHYL)PHENYL)-d-ALANINE)-LHRH ACETATE

mf: $C_{63}H_{80}F_3N_{17}O_{15} \cdot C_2H_4O_2$ mw: 1400.66

SYNS: (d-MTF6)-LHRH ACETATE □ LUTEINIZING HORMONE-RELEASING FACTOR (PIG), 6-(3-(TRIFLUOROMETHYL)-d-PHENYLALANINE), MONOACETATE, (SALT)

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and F^- .

TKF250 CAS: 34929-08-3 HR: 3
1-(m-TRIFLUOROMETHYLPHENYL)-3-(2'-HYDROXYETHYL)QUINAZOLINE-2,4-DIONE

mf: $C_{17}H_{13}F_3N_2O_3$ mw: 350.32

SYNS: H-88 □ 3-(2-HYDROXYETHYL)-1-(3-(TRIFLUOROMETHYL)PHENYL)-2,4(1H,3H)-QUINAZOLINEDIONE □ 1-(m-TRIFLUOROMETHYLPHENYL)-3-(2-HYDROXYETHYL)-QUINAZOLINE-2,4(1H,3H)-DIONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:810 mg/kg DRFUD4 4,201,79

ipr-rat LD50:275 mg/kg DRFUD4 4,201,79

orl-mus LD50:630 mg/kg OYYAA2 15,501,78

ipr-mus LD50:275 mg/kg OYYAA2 15,501,78

orl-gpg LD50:320 mg/kg OYYAA2 15,501,78

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of F^- and NO_x . See also FLUORIDES.

TKF525 CAS: 395-47-1 HR: 3
2-TRIFLUOROMETHYLPHENYL MAGNESIUM BROMIDE

mf: $C_7H_4BrF_3Mg$ mw: 249.31

$F_3CC_6H_4MgBr$

SAFETY PROFILE: Solutions in org solvs (e.g., ether, benzene) may explode above 40°C. When heated to decomposition it emits toxic fumes of F^- and Br^- . See also BROMIDES, MAGNESIUM COMPOUNDS, and FLUORIDES.

TKF530 CAS: 402-26-6 HR: 3
3-TRIFLUOROMETHYLPHENYL MAGNESIUM BROMIDE

mf: $C_7H_4BrF_3Mg$ mw: 249.31

$F_3CC_6H_4MgBr$

SAFETY PROFILE: Solutions in org solvs (e.g., ether, benzene) may explode above 40°C. When heated to decomposition it emits toxic fumes of F^- and Br^- . See also BROMIDES, MAGNESIUM COMPOUNDS, and FLUORIDES.

TKF535 CAS: 402-51-7 HR: 3
4-TRIFLUOROMETHYLPHENYL MAGNESIUM

BROMIDE

mf: $C_7H_4BrF_3Mg$ mw: 249.31

$F_3CC_6H_4MgBr$

SAFETY PROFILE: Solutions in org solvs (e.g., ether, benzene) may explode above 40°C. When heated to decomposition it emits toxic fumes of F^- and Br^- . See also BROMIDES, MAGNESIUM COMPOUNDS, and FLUORIDES.

TKF699 CAS: 23595-00-8 HR: 2
1-(m-TRIFLUOROMETHYLPHENYL)-N-NITROSO-ANTRHRANILIC ACID

mf: $C_{14}H_9F_3N_2O_3$ mw: 310.25

SYNS: ACIDO 1-(m-TRIFLUOROMETILFENIL)-N-NITROSO ANTRANILICO (ITALIAN) □ ITF 611 □ 2-(NITROSO(3-(TRIFLUOROMETHYL)PHENYL)AMINO)-BENZOIC ACID □ N-NITROSO-N-(α,α,α -TRIFLUORO-m-TOLYL)ANTHRANILIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:900 mg/kg FRPSAX 26,525,71

ipr-rat LD50:500 mg/kg FRPSAX 26,525,71

orl-mus LD50:860 mg/kg FRPSAX 26,191,71

ipr-mus LD50:450 mg/kg FRPSAX 26,525,71

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of F^- and NO_x . See also N-NITROSO COMPOUNDS and AROMATIC AMINES.

TKF723 CAS: 54851-13-7 HR: 2
4-(3-(TRIFLUOROMETHYL)PHENYL)-1-PIPERAZINEETHANOL MONO(2-(ACETYLOXY)BENZOATE) (SALT)

mf: $C_{13}H_{17}F_3N_2O \cdot C_9H_8O_4$ mw: 454.49

SYNS: BENZOIC ACID, 2-(ACETYLOXY)-, COMPD. WITH 4-(3-(TRIFLUOROMETHYL)PHENYL)-1-PIPERAZINEETHANOL □ SLB 261 □ 1-PIPERAZINEETHANOL, 4-(3-(TRIFLUOROMETHYL)PHENYL)-, MONO(2-(ACETYLOXY)BENZOATE) (SALT) □ 2-(4-m-TRIFLUOROMETHYLPHENYLPIPERAZINO)ETHANOL MONO-2-ACETOXYBENZOATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:650 mg/kg USXXAM #3857945

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

TKF750 CAS: 37924-13-3 HR: 2
1,1,1-TRIFLUORO-N-(2-METHYL-4-(PHENYL-SULFONYL)PHENYL)METHANESULFONAMIDE

mf: $C_{14}H_{12}F_3NO_4S_2$ mw: 379.39

PROP: Crystals or solid from C_6H_6 . Mp: 142–144°. Very spar sol in H_2O ; very sol in Me_2CO and $MeOH$.

SYNS: DESTUN □ MBR 8251 □ PERFLUIDONE □ N-(4-PHENYLSULFONYL-o-TOLYL)-1,1,1-TRIFLUOROMETHANE-SULFONAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:633 mg/kg 85ARAE 2,215,77

orl-mus LD50:920 mg/kg FMCHA2 -,D235,80

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of F^- , NO_x , and SO_x . See also FLUORIDES.

TKF775 CAS: 420-52-0 HR: 3**TRIFLUOROMETHYL PHOSPHINE**mf: CH₂F₃P mw: 102.00**PROP:** A gas. Bp: -26.5°.**SAFETY PROFILE:** Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of F⁻ and PO_x. See also PHOSPHINE and FLUORIDES.**TKG000 CAS: 23779-99-9 HR: 3****2-(8'-TRIFLUOROMETHYL-4'-QUINOLYL-AMINO)BENZOIC ACID, 2,3-DIHYDROXY PROPYL ESTER**mf: C₂₀H₁₇F₃N₂O₄ mw: 406.39**SYNS:** 4-(o-(2',3'-DIHYDROXYPROPYLOXYCARBONYL)PHENYL)-AMINO-8-TRIFLUOROMETHYLQUINOLINE □ 2,3-DIHYDROXYPROPYL-N-(8-(TRIFLUOROMETHYL)-4-QUINOLYL)ANTHRANILATE □ DIRALGAN □ FLOCTAFENINE □ IDARAC □ NOVODOLAN □ R 4318 □ RU 15750 □ 8-TRIFLUOROMETHYL-7-DESCHLOROGLAFENINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:535 mg/kg YACHDS 9(Suppl 2),299,81
 ipr-rat LD50:250 mg/kg YACHDS 9(Suppl 2),299,81
 ivn-rat LD50:160 mg/kg TXAPA9 36,173,76
 orl-mus LD50:1960 mg/kg YACHDS 9(Suppl 2),299,81
 ipr-mus LD50:245 mg/kg TXAPA9 36,173,76
 ivn-mus LD50:180 mg/kg TXAPA9 36,173,76
 orl-rbt LD50:700 mg/kg TXAPA9 36,173,76

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x. Used as an analgesic.**TKG275 CAS: 3855-45-6 HR: 3**
N-(TRIFLUOROMETHYLSULFINYL)TRIFLUOROMETHYL IMIDOSULFINYL AZIDEmf: C₂F₆N₄O₂S₂ mw: 290.16**SAFETY PROFILE:** An explosive liquid. When heated to decomposition it emits toxic fumes of F⁻, SO_x, and NO_x. See also AZIDES and FLUORIDES.**TKG525 CAS: 3855-45-6 HR: 3****TRIFLUOROMETHYLSULFONYL AZIDE**mf: CF₃N₃O₂S mw: 175.09**PROP:** A liquid. D: 1.54 @ 20°/4°, bp: 80–81°.**SAFETY PROFILE:** An explosive. When heated to decomposition it emits toxic fumes of F⁻, SO_x, and NO_x. See also AZIDES and FLUORIDES.**TKG750 CAS: 148-56-1 HR: 2****TRIFLUOROMETHYLTHIAZIDE**mf: C₈H₆F₃N₃O₄S₂ mw: 329.29**PROP:** A solid. Mp: 305.4–307.8°.**SYNS:** ADEMOL □ FLUMETHIAZIDE □ RONTYL □ ROUTRAX □ TRIFLUOMETHYLTHIAZIDE □ 6-(TRIFLUOROMETHYL)-1,2,4-BENZO-THIADIAZINE-7-SULFONAMIDE-1,1-DIOXIDE □ 6-(TRIFLUOROMETHYL)-1,4,2-BENZOTHIADIAZINE-7-SULFONAMIDO-1,1-DIOXIDE □ 6-TRIFLUOROMETHYL-7-SULFAMOYL-4H-1,4,2-BENZOTHIADIAZINE-1,1-DIOXIDE □ 6-TRIFLUOROMETHYL-7-SULFAMYL-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1760 mg/kg JPETAB 134,273,61
 ivn-mus LD50:910 mg/kg JPETAB 128,405,60

SAFETY PROFILE: Moderately toxic by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and F⁻.**TKG800 CAS: 1187-93-5 HR: 3**
TRIFLUOROMETHYL TRIFLUOROVINYL ETHERmf: C₃F₆O mw: 166.03**SYNS:** ETHENE, TRIFLUORO(TRIFLUOROMETHOXY)- □ ETHER, TRIFLUOROMETHYL TRIFLUOROVINYL**TOXICITY DATA with REFERENCE:**ihl-mus LC50:46 µg/m³/2H 85JCAE -,540,86**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by inhalation. When heated to decomposition it emits toxic vapors of F⁻.**TKH000 CAS: 318-22-9 HR: 2**
2,2,2-TRIFLUORO-N-(9-OXOFUOREN-2-YL)-ACETAMIDEmf: C₁₅H₈F₃NO₂ mw: 291.24**SYN:** 2-TRIFLUOROACETYLAMINOFLUOREN-9-ONE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:6400 mg/kg/35W-C:CAR CNREA8
 22,1002,62

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x. See also FLUORIDES.**TKH015 CAS: 677-21-4 HR: 1**
1,1,1-TRIFLUOROPROPENEmf: C₃H₃F₃ mw: 96.06**SYNS:** PROPENE, 3,3,3-TRIFLUORO- □ 1-PROPENE, 3,3,3-TRIFLUORO-(9CI) □ TRIFLUOROMETHYLETHYLENE □ 3,3,3-TRIFLUOROPROPENE □ 3,3,3-TRIFLUORO-1-PROPENE □ 3,3,3-TRIFLUOROPROPYLENE**TOXICITY DATA with REFERENCE:**ihl-mus LC50:1691 g/m³/2H 85GMAT -,116,82**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Slightly toxic by inhalation. When heated to decomposition it emits toxic vapors of F⁻.**TKH020 CAS: 460-40-2 HR: 3**
3,3,3-TRIFLUOROPROPIONALDEHYDEmf: C₃H₃F₃O mw: 112.06**SYNS:** PROPIONALDEHYDE, 3,3,3-TRIFLUORO- □ TRIFLUOROPROPIONALDEHYDE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:25 mg/kg EPASR* 8EHQ-1186-0644

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic vapors of F⁻.**TKH025 CAS: 21372-60-1 HR: 3**
N,N,N'-TRIFLUOROPROPIONAMIDINE

mf: C₃H₅F₃N₂ mw: 126.08
 CH₃CH₂C(NF)NF₂

SAFETY PROFILE: A shock-sensitive explosive.

When heated to decomposition it emits toxic fumes of F^- and NO_x . See also FLUORIDES.

TKH030 CAS: 661-54-1 HR: 3
3,3,3-TRIFLUOROPROPYNE

mf: C_3HF_3 mw: 94.04

PROP: A gas. Bp: -48° @ 705 mm.

SAFETY PROFILE: Explodes when heated. Upon decomposition it emits toxic fumes of F^- . See also ACETYLENE COMPOUNDS and FLUORIDES.

TKH050 CAS: 2061-56-5 HR: D
17-(3,3,3-TRIFLUORO-1-PROPYNYL)ESTRA-1,3,5(10)-TRIEN-3,17- β -DIOL

mf: $C_{21}H_{23}F_3O_2$ mw: 364.44

SYNS: BDH 6146 □ (17- β)-ESTRA-1,3,5(10)-TRIEN-3,17-DIOL, 3-METHOXY-17-(3,3,3-TRIFLUORO-1-PROPYNYL)

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

TKH250 CAS: 59544-89-7 HR: 3
TRIFLUORO SELENIUM HEXAFLUORO ARSENATE

mf: AsF_9Se mw: 324.9

CONSENSUS REPORTS: Selenium and its compounds, as well as arsenic and its compounds, are on the Community Right-To-Know List.

OSHA PEL: TWA 0.01 mg(As)/ m^3 ; Cancer Hazard; TWA 0.2 mg(Se)/ m^3

ACGIH TLV: BEI: 35 μ (As)/L inorganic arsenic and methylated metabolites in urine; TWA 0.2 mg(Se)/ m^3

DFG MAK: DFG TRK: 0.2 mg/ m^3 calculated as arsenic in that portion of dust that can possibly be inhaled

NIOSH REL: CL 2 μ g(As)/ m^3

SAFETY PROFILE: Arsenic compounds are poisons. Violent reaction with water. When heated to decomposition it emits very toxic fumes of As, F^- , and Se. See also FLUORIDES, ARSENIC COMPOUNDS, and SELENIUM COMPOUNDS.

TKH300 CAS: 101913-67-1 HR: 3
TRIFLUOROSTANNITE HEXADECYLAMINE

mf: $C_{16}H_{35}N \cdot F_3HSn$ mw: 418.22

SYN: TRIFLUOROSTANNITE OF HEXADECYLAMINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#04259

OSHA PEL: TWA 2 mg(Sn)/ m^3

ACGIH TLV: TWA 2 mg(Sn)/ m^3

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x , Sn, and F^- .

TKH310 CAS: 447-14-3 HR: 2
 α - β , β -TRIFLUOROSTYRENE

mf: $C_8H_5F_3$ mw: 158.13

SYNS: BENZENE, (TRIFLUOROETHENYL)-(9CI) □ STYRENE, α - β , β -TRIFLUORO- □ (TRIFLUOROETHENYL)BENZENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 mg/kg 85GMAT -,117,82

ihl-rat LC50:8 g/ m^3 /4H 85GMAT -,117,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKH325 CAS: 70-00-8 HR: 2
TRIFLUOROTHYMIDINE

mf: $C_{10}H_{11}F_3N_2O_5$ mw: 296.23

PROP: Crystals from ethyl acetate. Mp: 186–189°.

SYNS: 1-(2-DEOXY- β -D-RIBOFURANOSYL)-5-(TRIFLUOROMETHYL)-2,4(1H,3H)-PYRIMIDINEDIONE □ 2'-DEOXY-5-(TRIFLUOROMETHYL)URIDINE □ F3DThd □ F3T □ F3TDR □ NSC 75520 □ TFDU □ TFT THIO □ 5-TRIFLUORO-2'-DEOXY-THYMIDINE □ TRIFLUOROMETHYLDEOXYURIDINE □ 5-(TRIFLUOROMETHYL)DEOXYURIDINE □ 5-TRIFLUORO-METHYL-2-DEOXYURIDINE □ 5-(TRIFLUOROMETHYL)-2'-DEOXYURIDINE □ α,α,α -TRIFLUOROTHYMIDINE □ TRIFLURIDINE □ VIROPHTA □ VIROPTIC

TOXICITY DATA with REFERENCE:

mmo-sat 500 μ g/L MUREAV 169,123,86

sce-hmn:lym 500 μ g/L DRFUD4 7,520,82

ipr-mus LD50:1931 mg/kg NCISP* JAN86

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

TKH500 CAS: 63980-13-2 HR: 3
 α,α,α -TRIFLUORO-m-TOLUIC ACID THALLIUM(I) SALT

mf: $C_8H_4F_3O_2 \cdot Tl$ mw: 393.49

PROP: IDLH 15 mg/ m^3 (as Tl).

SYN: m-TRIFLUOROMETHYL BENZOIC ACID, THALLIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LDLo:50 mg/kg NCNSA6 5,43,53

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

OSHA PEL: TWA 0.1 mg(Tl)/ m^3 (skin)

ACGIH TLV: TWA 0.1 mg(Tl)/ m^3 (skin)

SAFETY PROFILE: Poison by ingestion. Thallium compounds are very toxic. When heated to decomposition it emits very toxic fumes of F^- and Tl. See also FLUORIDES and THALLIUM COMPOUNDS.

TKH750 CAS: 530-78-9 HR: 3
N-(α,α,α -TRIFLUORO-m-TOLYL)ANTHRANILIC ACID

mf: $C_{14}H_{10}F_3NO_2$ mw: 281.25

PROP: Pale-yellow needles from EtOH (aq). Mp: 125°.

SYNS: ACHLESS □ ACIDO FLUFENAMICO (ITALIAN) □ ANSATIN □ ANT-1 □ ARLEF □ C.I. 440 □ CN-27,554 □ FLUFENAMIC ACID □ FLUFENAMINSÄURE (GERMAN) □ FLUPHENAMIC ACID □ FULLSAFE □ INF 1837 □ MERALEN □ NSC-82699 □ PARAFLU □ PARLEF □ PARLIF □ PLOSTENE □ RISTOGEN □ SASTRIDEX □ SURIKA □ TECRAMINE □ 3-

TRIFLUOROMETHYLDIPHENYLAMINE-2-CARBOXYLIC ACID
 □ N-(m-TRIFLUOROMETHYLPHENYL)-2-AMINOBENZOIC
 ACID □ N-(3-TRIFLUOROMETHYLPHENYL) ANTHRANILIC
 ACID

TOXICITY DATA with REFERENCE:

dni-hmn-unr 504 mg/kg/8W STBIBN 50,172,75
 orl-wmn TDLo:2160 mg/kg/26W-I:GIT PGMJAO
 62,773,86
 orl-rat LD50:249 mg/kg AIPTAK 221,132,76
 ipr-rat LD50:185 mg/kg OYYAA2 16,1011,78
 ivn-rat LD50:98 mg/kg CMROCX 4,17,76
 orl-mus LD50:490 mg/kg OYYAA2 16,1011,78
 ipr-mus LD50:150 mg/kg NTIS** AD691-490
 ivn-mus LD50:158 mg/kg YKKZAJ 89,1392,69

SAFETY PROFILE: Poison by ingestion, intravenous,
 and intraperitoneal routes. Experimental reproductive
 effects. Human systemic effects: hypermotility, diarrhea.
 Human mutation data reported. When heated to
 decomposition it emits very toxic fumes of F⁻ and NO_x.
 Used as an anti-inflammatory agent. See also
 FLUORIDES.

TKI000 CAS: 3216-14-6 HR: 3 4-(2-(α,α,α-TRIFLUORO-m-TOLYL)BENZYL- OXY)ETHYL)MORPHOLINE FUMARATE

mf: C₂₀H₂₂F₃NO₂•C₄H₄O₄ mw: 481.51

TOXICITY DATA with REFERENCE:

orl-mus LDLo:250 mg/kg ARZNAD 14,964,64
 ivn-mus LDLo:15 mg/kg ARZNAD 14,964,64

SAFETY PROFILE: Poison by ingestion and
 intravenous routes. When heated to decomposition it
 emits very toxic fumes of F⁻ and NO_x. See also
 FLUORIDES.

TKI750 CAS: 3560-78-9 HR: 3 3-(α,α,α-TRIFLUORO-p-TOLYL)BENZYL- OXY)TROPANE FUMARATE

mf: C₂₂H₂₄F₃NO•C₄H₄O₄ mw: 491.55

TOXICITY DATA with REFERENCE:

orl-mus LDLo:500 mg/kg ARZNAD 14,964,64
 ivn-mus LDLo:30 mg/kg ARZNAD 14,964,64

SAFETY PROFILE: Poison by intravenous route.
 Moderately toxic by ingestion. When heated to
 decomposition it emits very toxic fumes of F⁻ and NO_x.
 See also FLUORIDES.

TKJ250 CAS: 329-01-1 HR: 3 (α,α,α-TRIFLUORO-m-TOLYL) ISOCYANATE

DOT: UN 2206/UN 2207/UN 2478/UN 3080

mf: C₈H₄F₃NO mw: 187.13

PROP: Bp: 54° @ 11 mm, refr index: 1.4700, d: 1.359,
 flash p: 138° F.

SYNS: ISOCYANIC ACID, (m-TRIFLUOROMETHYLPHENYL)
 ESTER □ TIC

TOXICITY DATA with REFERENCE:

orl-rat LD50:975 mg/kg GTPZAB 20(3),53,76
 ihl-rat LC50:3600 mg/m³ GTPZAB 20(3),53,76
 orl-mus LD50:975 mg/kg GTPZAB 20(3),53,76
 ihl-mus LC50:3300 mg/m³ GTPZAB 20(3),53,76
 ipr-mus LD50:871 mg/kg CNREA8 39,2204,79
 orl-gpg LD50:478 mg/kg GTPZAB 20(3),53,76

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY
 FROM FOOD (UN 2207); DOT Class: 6.1; Label: Poison
 (UN 2206); DOT Class: 6.1; Label: Poison, Flammable
 Liquid (UN 3080); DOT Class: 3; Label: Flammable
 Liquid, Poison (UN 2478)

SAFETY PROFILE: Moderately toxic by ingestion,
 inhalation, and intraperitoneal routes. A lachrymator.
 Flammable liquid when exposed to heat, sparks, or flame.
 When heated to decomposition it emits very toxic fumes
 of NO_x and F⁻. See also ISOCYANATES and
 FLUORIDES.

TKJ500 CAS: 30914-89-7 HR: 3 2-(α,α,α-TRIFLUORO-m-TOLYL)MORPHOLINE

mf: C₁₁H₁₂F₃NO mw: 231.24

PROP: Bp: 132° @ 10 mm.

SYNS: CERM-1841 □ TETRAHYDRO-2-(α,α,α-TRIFLUORO-m-
 TOLYL)-1,4-OXAZINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:271 mg/kg ARZNAD 28,642,78
 orl-mus LD50:495 mg/kg ARZNAD 28,642,78

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: Poison by ingestion. When heated
 to decomposition it emits very toxic fumes of F⁻ and
 NO_x. See also FLUORIDES.

TKJ750 CAS: 3414-47-9 HR: 2 5-(α,α,α-TRIFLUORO-m-TOLYOXYMETHYL)-2- OXAZOLIDINETHIONE

mf: C₁₀H₁₀F₃NO₂S mw: 265.27

SYNS: 5-(((α,α,α-TRIFLUORO-m-TOLYL)OXY)METHYL)-2-
 OXAZOLIDINETHIONE □ U-11,634

TOXICITY DATA with REFERENCE:

orl-rat LD50:524 mg/kg TXAPA9 10,322,67
 scu-rat LD50:1197 mg/kg JRPFA4 11,85,66
 ipr-mus LD50:451 mg/kg TXAPA9 10,322,67

SAFETY PROFILE: Moderately toxic by ingestion,
 intraperitoneal, and subcutaneous routes. Experimental
 reproductive effects. When heated to decomposition it
 emits very toxic fumes of F⁻, NO_x, and SO_x. See also
 FLUORIDES.

TKK000 CAS: 675-14-9 HR: 3 2,4,6-TRIFLUORO-s-TRIAZINE

mf: C₃F₃N₃ mw: 135.06

SYN: CYANURIC FLUORIDE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:3.1 ppm/4H AIHAAP 33,382,72
 skn-rbt LD50:160 mg/kg:CAR AIHAAP 33,382,72

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

SAFETY PROFILE: Poison by skin contact and
 inhalation. Questionable carcinogen with experimental
 carcinogenic data. When heated to decomposition it emits
 very toxic fumes of F⁻ and NO_x. See also FLUORIDES.

TKK025 CAS: 69563-88-8 HR: 2 4,4'-((2,2,2-TRIFLUORO-1-

(TRIFLUOROMETHYL)ETHYLIDENE)BIS(4,1-PHENYLENEOXY))BISBENZENAMINEmf: C₂₇H₂₀F₆N₂O₂ mw: 518.49**SYNS:** 4-BDAF □ 2,2-BIS(4-(4-

AMINOPHENOXY)PHENYL)HEXAFLUOROPROPANE □ BENZENAMINE, 4,4'-(2,2,2-TRIFLUORO-1-(TRIFLUOROMETHYL)-ETHYLIDENE)BIS(4,1-PHENYLENEOXY))BIS-

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg NTIS** OTS0529936-1

orl-rat LD50:1340 mg/kg NTIS** OTS0529936-1

skn-rbt LD :>2 g/kg NTIS** OTS0529936-1

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An eye irritant. When heated to decomposition it emits toxic vapors of NO_x and F⁻.**TKK050 CAS: 1423-11-6 HR: 3 1,3,5-TRIFLUOROTRINITROBENZENE**mf: C₆F₃N₃O₆ mw: 267.08F₃C₆(NO₂)₃**SAFETY PROFILE:** Reacts with hydrazine to form an explosive product. When heated to decomposition it emits toxic fumes of F⁻ and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and FLUORIDES.**TKK250 CAS: 440-17-5 HR: 3 TRIFLUPERAZINE DIHYDROCHLORIDE**mf: C₂₁H₂₄F₃N₃S•2ClH mw: 480.46**PROP:** Crystals from EtOH. Mp: 242–243°. Sol in H₂O.**SYNS:** ESKAZINE □ ESKAZINE DIHYDROCHLORIDE □ FLUOPERAZINE □ JATRONEURAL □ 10-(3-(4-METHYL-1-PIPERAZINYL)PROPYL)-2-TRIFLUOROMETHYLPHENOTHIAZINE DIHYDROCHLORIDE □ SKF 5019 □ STELAZINE □ STELAZINE DIHYDROCHLORIDE □ TERFLUZINE □ TERFLUZINE DIHYDROCHLORIDE □ TRIFLORPERAZINE DIHYDROCHLORIDE □ TRIFLUOPERAZINE HYDROCHLORIDE □ TRIFLUOPERAZINE DIHYDROCHLORIDE □ TRIFLUOROPYRAZIN DIHYDROCHLORIDE □ TRIFTAZIN □ TRIPHTHAZINE □ TRIPHTHAZINE DIHYDROCHLORIDE □ TRYPTAZINE DIHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

cyt-hmn-unr 26 mg/kg/17W-I CYTOAN 35,552,70

mnt-mus-orl 80 µg/kg/24H FCTOD7 25,615,87

orl-rat LD50:543 mg/kg ARZNAD 27,866,77

orl-mus LD50:424 mg/kg ARZNAD 27,866,77

ipr-mus LD50:185 mg/kg DCTODJ 8,495,85

ivn-mus LD50:82 mg/kg APTOA6 19,87,62

ivn-dog LD50:50 mg/kg 29ZSA2 -,157,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, SO_x, and HCl. See also FLUORIDES.**TKK500 CAS: 749-13-3 HR: 3 TRIFLUPERIDOL**mf: C₂₂H₂₃F₄NO₂ mw: 409.46**SYNS:** 4'-FLUORO-4-(4-HYDROXY-4-(α,α,α'-TRIFLUORO-M-TOLYL)PIPERIDINO)BUTYROPHENONE □ 4-FLUORO-4,4-

IDROSSI-4-(m-TRIFLUOROMETIL-FENIL)-PIPERIDINO-BUTIROFENONE (ITALIAN) □ 1-(4-FLUOROPHENYL)-4-(4-HYDROXY-4-(3-(TRIFLUOROMETHYL)PHENYL)-1-PIPERIDINYL)-1-BUTANONE □ MCN-JR-2498 □ PSICOPERIDOL-R □ PSYCHOPERIDOL □ R-2498 □ TRIFLUPERIDOLO (ITALIAN) □ TRIPERIDOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:140 mg/kg TXAPA9 18,185,71

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

scu-rat LD50:70 mg/kg MDCHAG 4(2),199,67

orl-mus LD50:110 mg/kg ARZNAD 24,1248,74

scu-mus LD50:50 mg/kg ARZNAD 24,1248,74

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x. See also FLUORIDES and TRIFLUPERIDOL HYDROCHLORIDE.**TKK750 CAS: 2062-77-3 HR: 3 TRIFLUPERIDOL HYDROCHLORIDE**mf: C₂₂H₂₃F₄NO₂•ClH mw: 445.92**PROP:** Crystals from acetone. Mp: 200.5–201.3°. Sol in water.**SYNS:** FLUMOPERONE HYDROCHLORIDE □ PSYCOPERIDOL HYDROCHLORIDE □ R 2498 □ TRIPERIDOL □ TRIPERIDOL HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:75 mg/kg THERAP 17,1053,62

scu-rat LD50:70 mg/kg ARZNAD 11,932,61

ivn-rat LD50:14 mg/kg 27ZQAG -,194,72

orl-mus LD50:99 mg/kg THERAP 17,1053,62

scu-mus LD50:80 mg/kg 27ZQAG -,194,72

ivn-mus LD50:17,400 µg/kg THERAP 17,1053,62

SAFETY PROFILE: Poison by subcutaneous, intravenous, and ingestion routes. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and HCl. See also FLUORIDES.**TKL000 CAS: 146-54-3 HR: 3 TRIFLUPROMAZINE**mf: C₁₈H₁₉F₃N₂S mw: 352.45**PROP:** A viscous oil. Bp: 176°, refr index: 1.5780.**SYNS:** 10-(3-(DIMETHYLAMINO)PROPYL)-2-(TRIFLUOROMETHYL)PHENOTHIAZINE □ N,N-DIMETHYL-2-(TRIFLUOROMETHYL)-10H-PHENOTHIAZINE-10-PROPANAMINE □ VESPRIN**TOXICITY DATA with REFERENCE:**

dlt-mus-ipr 25 mg/kg MUREAV 17,87,73

cyt-mam:kdy 10 mg/L/8H-C FCTXAV 8,617,70

orl-rat LD50:185 mg/kg ARZNAD 36,797,86

ipr-rat LD50:94 mg/kg TXAPA9 2,540,60

orl-mus LD50:245 mg/kg TXAPA9 2,540,60

ipr-mus LD50:100 mg/kg MUREAV 17,87,73

ivn-mus LD50:44 mg/kg TXAPA9 2,540,60

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and SO_x. See also FLUORIDES.

TKL100 CAS: 26644-46-2 HR: 1**TRIFORINE**mf: $C_{10}H_{14}Cl_6N_4O_2$ mw: 434.98**PROP:** White crystals. Mp: 155°. Sol in water, CMF, DMSO.

SYNS: BIFORMYCHLORAZIN □ BIFORMYLCHLORAZIN □ N,N'-BIS(1-FORMAMIDO-2,2,2-TRICHLOROETHYL)PIPERAZINE □ 1,4-BIS(1-FORMAMIDO-2,2,2-TRICHLOROETHYL)PIPERAZINE □ CA 70203 □ CELA 50 □ CELA W 524 □ CME 74770 □ COMPOUND W □ CW 524 □ FORMAMIDE, N,N'-(1,4-PIPERAZINEDIYLBIS(2,2,2-TRICHLOROETHYLIDENE))BIS-(8Cl,9Cl) □ FUNGINEX □ N,N'-(PIPERAZINEDIYLBIS(2,2,2-TRICHLOROETHYLIDENE)) BIS(FORMAMIDE) □ SAPROL □ W 524

TOXICITY DATA with REFERENCE:

orl-man TDLo:180 µL/kg:CNS AJEMEN 4,554,86
 orl-rat LD50:6 g/kg 85AREA 4,81,76/77
 ihl-rat LC50:>4500 mg/m³/1H PEMNDP 9,853,91
 skn-rat LD50:>10 g/kg PEMNDP 9,853,91
 orl-mus LD50:>6 g/kg PEMNDP 9,853,91

SAFETY PROFILE: Low toxicity by ingestion, inhalation, and skin contact. Human systemic effects: change in taste function. When heated to decomposition emits toxic fumes of NO_x and Cl⁻.

TKL175 HR: 3**TRIFORMYL-STROSPESIDE**

PROP: Volatile liquid with fishy odor. D: 0.67 @ 0°/4°, mp: -117.2°, bp: 3.2-3.8° @ 746 mm. Misc in H₂O and EtOH.

SYN: STROSPESIDE TRIFORMATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:19,030 µg/kg AIPTAK 153,436,65
 scu-mus LD50:9200 µg/kg AIPTAK 153,436,65
 orl-gpg LDLo:3480 µg/kg AIPTAK 153,436,65
 inv-gpg LDLo:348 µg/kg AIPTAK 153,436,65

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes.

TKL250 CAS: 2589-01-7 HR: 2**TRIGLYCIDYL CYANURATE**mf: $C_{12}H_{15}N_3O_6$ mw: 297.30

SYNS: CYANURIC ACID TRIGLYCIDYL ESTER □ s-TRIAZINE-2,4,6-TRIOLE, TRI(2,3-EPOXYPROPYL) ESTER □ 1,3,5-TRIS(2,3-EPOXYPROPYL)TRIAZINE-2,4,6-TRIONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1680 mg/kg SCCUR* -,9,61
 ipr-rat LD50:595 mg/kg SCCUR* -,9,61
 orl-mus LD50:1490 mg/kg SCCUR* -,9,61

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x. A preparative hazard, explosions may occur if chlorine, epoxy content, and pH are not correct. A component of epoxy resins. See also ESTERS.

TKL500 CAS: 112-26-5 HR: 3**TRIGLYCOL DICHLORIDE**mf: $C_6H_{12}Cl_2O_2$ mw: 187.08

PROP: Colorless liquid. Bp: 240°, fp: -31.5°, flash p: 250°F (OC), d: 1.197, vap press: 0.03 mm @ 20°.

SYNS: 1,2-BIS(2-CHLOROETHOXY)ETHANE □ 2-(2-CHLOROETHOXY)ETHYL 2'-CHLOROETHYL ETHER □ 2-(2-

CHLOROETHOXY)ETHYL 2'-CHLOROETHYL ETHER □ TRIETHYLENE GLYCOL DICHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 8/28/57
 eye-rbt 20 mg AJOPAA 29,1363,46
 orl-rat LD50:250 mg/kg UCDS** 8/28/57
 skn-rbt LD50:1410 mg/kg UCDS** 8/28/57
 orl-gpg LD50:120 mg/kg JIHTAB 23,259,41

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. A skin and eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also ETHERS.

TKL750 CAS: 143-22-6 HR: 2**TRIGLYCOL MONOBUTYL ETHER**mf: $C_{10}H_{22}O_4$ mw: 206.32

PROP: Liquid. Completely sol in water. D: 1.0021 @ 20/20°, bp: decomp, fp: -47.4°, flash p: 290°F.

SYNS: 2-(2-(2-BUTOXYETHOXY)ETHOXY)ETHANOL □ BUTOXYTRIETHYLENE GLYCOL □ BUTOXYTRIGLYCOL □ POLY-SOLV TB □ TRIETHYLENE GLYCOL-n-BUTYL ETHER □ TRIETHYLENE GLYCOL MONOBUTYL ETHER

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
 eye-rbt 50 mg SEV UCDS** 4/26/65
 orl-rat LD50:6730 mg/kg UCDS** 4/26/65
 skn-rbt LD50:3540 mg/kg AIHAAP 23,95,62

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

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. A skin and severe eye irritant. Many glycol ether compounds have dangerous human reproductive effects. Combustible when exposed to heat or flame. To fight fire, use water, foam, fog. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS and GLYCOL ETHERS.

TKL875 CAS: 112-49-2 HR: 3**TRIGLYME**mf: $C_8H_{18}O_4$ mw: 178.26

PROP: Liquid. D: 0.990 @ 20°/4°, flash p: 111°, mp: -45°, bp: 216°, bp: 103.5° @ 10 mm, n: (20/D) 1.4233. Misc with water, hydrocarbon solvents. Sol in water.

SYNS: GLYME-3 □ 2,5,8,11-TETRAOXADODECANOL □ TRIETHYLENE GLYCOL DIMETHYL ETHER

TOXICITY DATA with REFERENCE:

orl-rbt TDLo:3500 mg/kg (female 6-19D post):TER NTIS** PB87-181657
 orl-mus TDLo:28 g/kg (female 6-13D post):REP TCMUD8 7,29,87

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

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. Many glycol ether compounds have dangerous human reproductive effects. Flammable liquid when exposed to heat, sparks, or flame.

When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.

TKL890 CAS: 535-83-1 HR: 1
TRIGONELLINE

mf: $C_7H_7NO_2$ mw: 137.15

SYNS: TRIGENOLLINE □ BETAIN NICOTINATE □ BETAINE NICOTINATE □ CAFFEARINE □ 3-CARBOXY-1-METHYL-PYRIDINIUM HYDROXIDE INNER SALT □ COFFEARIN □ COFFEARINE □ GYNESINE □ N-METHYLNICOTINATE □ N-METHYLNICOTINIC ACID □ N'-METHYLNICOTINIC ACID □ NICOTINIC ACID N-METHYLBETAINE □ PYRIDINIUM, 3-CARBOXY-1-METHYL-, HYDROXIDE, INNER SALT □ TRIGONELLIN

TOXICITY DATA with REFERENCE:

mic-sat 1 mmol/plate MUREAV 391,171,1997

orl-rat LD50:5 g/kg AIPTAK 210,27,1974

scu-rat LD50:5 g/kg PSEBAA 62,19,1946

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

TKM000 CAS: 5337-36-0 HR: 2
TRI-n-HEXYL BORATE

mf: $C_{18}H_{39}BO_3$ mw: 314.38

PROP: Colorless, moisture-sensitive liquid; odor of n-hexanol. Bp: 182.2–183° @ 2 mm, flash p: 300°F, d: 0.847 @ 28°, vap d: 10.8.

SYNS: BORIC ACID, TRIHEXYL ESTER □ TRIHEXYL BORATE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD 14KTAK -706,64

orl-mus LD50:1800 mg/kg USBCC* -,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and BORON COMPOUNDS.

TKM250 CAS: 100-89-0 HR: 2
TRIHXYLENE GLYCOL BIBORATE

mf: $C_{18}H_{36}B_2O_6$ mw: 370.16

PROP: Colorless liquid; odor of hexylene glycol. Bp: 143–149° @ 2 mm, flash p: 345°F, d: 0.982 @ 21°, vap d: 12.8.

SYNS: 2-METHYL-2,4-PENTANEDIOL ESTER with BORIC ACID (H_3BO_3) (1:2) cyclic BIS(1,1,3-TRIMETHYLMETHYLENE) ESTER □ TRI(2-METHYL-2,4-PENTANEDIOL)BIBORATE □ 2,2'-(1,1,3-TRIMETHYLTRIMETHYLENE)DIOXY)BIS(4,4,6-TRIMETHYL)-1,3,2-DIOXABORINANE □ USAF BO-1

TOXICITY DATA with REFERENCE:

ipr-mus LD50:750 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKM500 CAS: 3084-48-8 HR: 3

TRI-n-HEXYLPHOSPHINE OXIDE

mf: $C_{18}H_{39}OP$ mw: 302.54

PROP: Crystals.

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#03141

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of PO_x . See also PHOSPHINE OXIDE.

TKM750 HR: 3

TRIHYDRAZINECOBALT(II) NITRATE

mf: $CoH_{12}N_8O_6$ mw: 279.09

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

SAFETY PROFILE: Explosive. When heated to decomposition it emits toxic fumes of NO_x . See also COBALT COMPOUNDS.

TKN000 HR: 3

TRIHYDRAZINENICKEL(II) NITRATE

mf: $H_{12}N_8NiO_6$ mw: 278.86

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. Nickel and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Confirmed human carcinogen. Explodes violently (dry); spontaneously deflagrates (moist). When heated to decomposition it emits toxic fumes of NO_x . See also NITRATES and NICKEL COMPOUNDS.

TKN100 CAS: 146714-97-8 HR: 3

TRIHYDROCHLORIDE

mf: $C_{25}H_{34}N_4O_2$ mw: 422.57

SYNS: CYCLOHEXANECARBOXAMIDE, N-(2-(4-(2-METHOXY-PHENYL)-1-PIPERAZINYL)ETHYL)-N-(2-PYRIDINYL)-, TRIHYDROCHLORIDE □ N-(2-(4-(2-METHOXYPHENYL)-1-PIPERAZINYL)ETHYL)-N-(2-PYRIDINYL)CYCLOHEXANECARBOXAMIDE □ WAY100635

TOXICITY DATA with REFERENCE:

scu-rat TDLo:1 mg/kg EURNE* 11,193,2001

ice-rat TDLo:37.3 ng/kg/4H EURNE* 12,47,2002

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

TKN250 CAS: 528-21-2 HR: 2

2,3,4-TRIHYDROXYACETOPHENONE

mf: $C_8H_8O_4$ mw: 168.16

PROP: Colorless crystals, needles or leaflets from water. Mp: 173°. Sol in hot and cold water, alc; very sltly sol in benzene.

SYNS: C.I. 57000 □ GALLACETOPHENONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:650 mg/kg JMCMA 7,178,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it

emits acrid smoke and irritating fumes. See also KETONES.

TKN500 CAS: 602-64-2 HR: D
1,2,3-TRIHYDROXYANTHRAQUINONE

mf: C₁₄H₈O₅ mw: 256.22

PROP: Orange needles or crystals from alc and acetic acid. Mp: decomp @ 310°, bp: subl 290°. Very sltly sol in water; sol in alc, H₂SO₄, ether.

SYNS: ALIZARINE BROWN HD □ ALIZARINE BROWN R □ ANTHRACENE BROWN FD □ ANTHRACENE BROWN FF □ ANTHRACENE BROWN G □ ANTHRACENE BROWN N □ ANTHRACENE BROWN S □ ANTHRACENE BROWN WH □ ANTHRACENE BROWN WL □ 9,10-ANTHRACENEDIONE, 1,2,3-TRIHYDROXY-(9CI) □ ANTHRACENE PRINTING BROWN □ ANTHRAGALLIC ACID □ ANTHRAGALLOL □ ANTRACROMO BROWN D □ CHROME FAST BROWN FC □ C.I. 58200 □ C.I. MORDANT BROWN 42 □ MITSUI ANTHRACENE BROWN □ 1,2,3-TRIHYDROXY-9,10-ANTHRACENEDIONE □ 1,2,3-TRIHYDROXYANTHRAQUINONE

TOXICITY DATA with REFERENCE:

mmo-sat 20 µg/plate MUREAV 40,203,76

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

TKN750 CAS: 81-54-9 HR: 1
1,2,4-TRIHYDROXYANTHRAQUINONE

mf: C₁₄H₈O₅ mw: 256.22

PROP: Long orange-red or orange-yellow needles or dark-red needles from alc. Mp: 256–257°. Sltly sol in hot water; sol in water, ether.

SYNS: C.I. 58205 □ C.I. 75410 □ HYDROXYLIZARIC ACID □ PURPURIN □ PURPURINE □ SMOKE BROWN G □ 1,2,4-TRIHYDROXY-9,10-ANTHRACENEDIONE □ 1,2,4-TRIHYDROXYANTHRACHINON (CZECH) □ VERANTIN

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,103,72

mmo-sat 10 µg/plate MUREAV 40,203,76

mma-sat 10 µg/plate MUREAV 40,203,76

SAFETY PROFILE: Mutation data reported. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

TKN800 CAS: 2144-08-3 HR: 2
2,3,4-TRIHYDROXYBENZALDEHYDE

mf: C₇H₆O₄ mw: 154.13

SYN: BENZALDEHYDE, 2,3,4-TRIHYDROXY-

TOXICITY DATA with REFERENCE:

orl-mus LD50:2195 mg/kg IJANDP 10,741,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKO000 CAS: 83-30-7 HR: 2
2,4,6-TRIHYDROXYBENZOIC ACID

mf: C₇H₆O₅ mw: 170.13

PROP: Needles or crystals from water. Mp: 206° decomp, bp: subl in CO₂. Sol in water, alc; sltly sol in ether.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:>800 mg/kg JPETAB 196,478,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKO100 CAS: 1758-51-6 HR: D
(R*,R*)-2,3,4-TRIHYDROXYBUTANAL

mf: C₄H₈O₄ mw: 120.12

SYNS: BUTANAL, 2,3,4-TRIHYDROXY-, (R*,R*)- □ ERYTHROSE □ THREOSE

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

TKO250 CAS: 1421-63-2 HR: 3
2',4',5'-TRIHYDROXYBUTYROPHENONE

mf: C₁₀H₁₂O₄ mw: 196.22

PROP: Yellow-tan crystals. Mp: 149–153°, d: 6.0 lb/gal @ 20°. Very sltly sol in water; sol in alc, propylene glycol.

SYNS: THBP □ 2,4,5-TRIHYDROXYBUTYROPHENONE □ USAF EK

TOXICITY DATA with REFERENCE:

mma-sat 167 µg/plate ENMUDM 8(Suppl 7),1,86

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKO300 CAS: 17575-26-7 HR: 2
4,5,7-TRIHYDROXYCOUMARIN

mf: C₉H₆O₅ mw: 194.15

SYNS: 2H-1-BENZOPYRAN-2-ONE, 4,5,7-TRIHYDROXY- □ COUMARIN, 4,5,7-TRIHYDROXY-

TOXICITY DATA with REFERENCE:

orl-mus LD50:>3200 mg/kg MPHEAE 17,497,1967

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

TKO500 CAS: 6807-96-1 HR: 3
Z-(-)-4,6,8-TRIHYDROXY-3a,12a-DIHYDRO-ANTHRA(2,3-b)FURO(3,2-d)FURAN-5,10-DIONE

mf: C₁₈H₁₀O₇ mw: 338.28

PROP: Orange-yellow needles from Me₂CO. Mp: 289° (decomp).

SYN: VERSICOLORIN A

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate ENMUDM 4,19,82

dns-rat:lvf 500 nmol/L MUREAV 143,121,85

ivn-mus LD50:20 mg/kg 85GDA2 3,189,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

TKO750 CAS: 68780-95-0 HR: D
1,9,10-TRIHYROXY-9,10-DIHYDRO-3-METHYLCHOLANTHRENE

mf: $C_{21}H_{18}O_3$ mw: 318.39

SYN: 9,10-DIHYDRO-3-METHYL-CHOLANTHRENE-1,9,10-TRIOL

TOXICITY DATA with REFERENCE:

mma-sat 10 nmol/plate CNREA8 38,3398,78

mma-ham:lng 15 nmol/plate CNREA8 38,3398,78

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

TKP000 CAS: 533-87-9 HR: 3
9,10,16-TRIHYROXYHEXADECANOIC ACID

mf: $C_{16}H_{32}O_5$ mw: 304.48

SYNS: ALEURITIC ACID, tech ☐ dl-erthro-9,10,16-TRIHYROXY-HEXADECANOIC ACID ☐ 8,9,15-TRIHYROXPENTADECANE-1-CARBOXYLIC ACID

TOXICITY DATA with REFERENCE:

ivn-mus LD50:178 mg/kg CSLNX* NX#00691

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKP050 CAS: 548-77-6 HR: 2
4',5,7-TRIHYROXY-6-METHOXYISOFLAVONE

mf: $C_{16}H_{12}O_6$ mw: 300.28

SYNS: 4H-1-BENZOPYRAN-4-ONE, 5,7-DIHYDROXY-3-(4-HYDROXYPHENYL)-6-METHOXY- ☐ ISOFLAVONE, 4',5,7-TRIHYROXY-6-METHOXY- ☐ K 251T ☐ TECTORIGENIN ☐ TECTORIGENINE

TOXICITY DATA with REFERENCE:

mic-sat 100 μ Lg/plate ENMUDM 3,401,1981

ipr-mus LD50:3 g/kg NYKZAU 64,186,1968

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

TKP100 CAS: 2295-58-1 HR: 3
2,4,6-TRIHYROXYPROPIOPHENONE

mf: $C_9H_{10}O_4$ mw: 182.19

SYNS: ARGOBYL ☐ COSPANON ☐ FLOPROPION ☐ FLOPROPIONE ☐ LABRODA ☐ LABRODAX ☐ LABRODAX SUPANATE ☐ PHLOROPROPIONONE ☐ PHLOROPROPIOPHENONE ☐ 1-PROPANONE, 1-(2,4,6-TRIHYROXYPHENYL)- ☐ PROPIONYLPHLOROGLUCINOL ☐ PROPIOPHENONE, 2',4',6'-TRIHYROXY- ☐ PROPIOPHLO-GLUCINE ☐ 13907 R.P. ☐ RP 13907 ☐ 2',4',6'-TRIHYROXYPROPIOPHENONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2380 mg/kg DRUGAY 6,734,82

ipr-rat LD50:412 mg/kg DRUGAY 6,734,82

scu-rat LD50:640 mg/kg DRUGAY 6,734,82
 ivn-rat LD50:246 mg/kg DRUGAY 6,734,82
 orl-mus LD50:2780 mg/kg DRUGAY 6,734,82
 ipr-mus LD50:578 mg/kg DRUGAY 6,734,82
 scu-mus LD50:804 mg/kg DRUGAY 6,734,82
 ivn-mus LD50:300 mg/kg DRUGAY 6,734,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes.

TKP200 CAS: 501-36-0 HR: D
3,5,4'-TRIHYROXYSTILBENE

mf: $C_{14}H_{12}O_3$ mw: 228.25

SYNS: 1,3-BENZENEDIOL, 5-(2-(4-HYDROXYPHENYL)-ETHENYL)-, (E)- ☐ RESVERATROL

TOXICITY DATA with REFERENCE:

dni-hmn-oth 30 μ mol/L/24H CALEDQ 163,49,2001

dni-hmn-leu 20 μ mol/L/8H CALEDQ 140,1,1999

sce-ham-lvr 10 mg/L/48H MUREAV 494,107,2001

cyt-ham-lvr 10 mg/L/48H MUREAV 494,107,2001

mnt-ham-lvr 10 mg/L/48H MUREAV 494,107,2001

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

TKP500 CAS: 102-71-6 HR: 2
TRIHYROXYTRIETHYLAMINE

mf: $C_6H_{15}NO_3$ mw: 149.22

PROP: Hygroscopic, pale-yellow viscous liquid. Mp: 21.6°, bp: 360°, flash p: 355°F (CC), d: 1.1258 @ 20°/20°, vap press: 10 mm @ 205°, vap d: 5.14.

SYNS: DALTOGEN ☐ NITRILO-2,2',2"-TRIETHANOL ☐ 2,2',2"-NITRILOTRIETHANOL ☐ STEROLAMIDE ☐ THIOFACO T-35 ☐ TRIAETHANOLAMIN-NG ☐ TRIETHANOLAMIN ☐ TRIETHANOLAMINE (ACGIH) ☐ TRIETHYLOLAMINE ☐ TRI(HYDROXYETHYL)AMINE ☐ 2,2',2"-TRIHYROXYTRIETHYLAMINE ☐ TRIS(2-HYDROXYETHYL)AMINE ☐ TROLAMINE

TOXICITY DATA with REFERENCE:

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

skn-rbt 560 mg/24H MLD TXAPA9 19,276,71

eye-rbt 10 mg MLD TXAPA9 55,501,80

orl-mus TDLo:16 g/kg/64W-C:CAR CNREA8 38,3918,78

orl-mus TD:154 g/kg/61W-C:CAR CNREA8 38,3918,78

orl-rat LD50:8 g/kg NTIS** PB158-507

orl-mus LD50:7400 mg/kg GTPZAB 26(8),53,82

ipr-mus LD50:1450 mg/kg RCRVAB 38,975,69

orl-gpg LD50:5300 mg/kg GISAAA 29(1),25,64

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

ACGIH TLV: TWA 0.5 mg/m³

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. Liver and kidney damage have been demonstrated in animals from chronic exposure. A human and experimental skin irritant. An eye irritant. Questionable carcinogen with experimental carcinogenic data. Combustible liquid 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 NO_x and CN⁻.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Aminoethanol Compounds II, 3509.

TKP750 HR: 2
2,4,6-TRIHYDROXY-1,3,5,2,4,6-TRIOXATRI-PHOSPHORINANE TRISODIUM SALT

mf: $\text{Na}_3\text{O}_6\text{P}_3$ mw: 257.88

SYNS: CYCLIC SODIUM TRIMETAPHOSPHATE □
 CYCLISCHES TRINATRIUMMETAPHOSPHAT (GERMAN) □
 SODIUM METAPHOSPHATE □ SODIUM PHOSPHATE □
 SODIUM TRIMETAPHOSPHATE □ TRISODIUM
 TRIMETAPHOSPHATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:10 g/kg ARZNAD 7,445,57

scu-mus LD50:5940 mg/kg ARZNAD 7,445,57

ivn-mus LD50:1165 mg/kg ARZNAD 7,445,57

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of PO_x and Na_2O . See also PHOSPHATES.

TKP850 CAS: 1160-36-7 HR: 2
3,5,3'-TRIIODO-4'-ACETYLTHYROFORMIC ACID

mf: $\text{C}_{15}\text{H}_9\text{I}_3\text{O}_4$ mw: 633.94

SYNS: 3,5-DIIODO-4-(3'-IODO-4'-
 ACETOXYPHENOXY)BENZOIC ACID □ TBF-43

TOXICITY DATA with REFERENCE:

orl-rat LD50:4600 mg/kg TAKHAA 29,207,70

ipr-rat LD50:480 mg/kg TAKHAA 29,207,70

scu-rat LD50:520 mg/kg TAKHAA 29,207,70

orl-mus LD50:3700 mg/kg TAKHAA 29,207,70

ipr-mus LD50:1 g/kg TAKHAA 29,207,70

scu-mus LD50:2300 mg/kg TAKHAA 29,207,70

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of I^- .

TKQ000 CAS: 68596-99-6 HR: 3
3,4,5-TRIIODOBENZENEDIAZONIUM NITRATE

mf: $\text{C}_6\text{H}_2\text{I}_3\text{N}_3\text{O}_3$ mw: 544.80

SAFETY PROFILE: An unstable explosive sensitive to heat or contact with flame. When heated to decomposition it emits very toxic fumes of I^- and NO_x . See also NITRATES.

TKQ250 CAS: 88-82-4 HR: 2
2,3,5-TRIIODOBENZOIC ACID

mf: $\text{C}_7\text{H}_3\text{I}_3\text{O}_2$ mw: 499.80

PROP: Prisms or plates from alc. Mp: 230°. Insol in water, ether; sol in hot alc; very sltly sol in benzene.

SYNS: FLORALONE □ JOHNKOLOR □ REGIM 8 □ REGIN 8
 □ TIB □ TIBA □ 2,3,5-TIBA □ TRIIDOBENZOIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:813 mg/kg GUCHAZ 6,504,73

orl-mus LD50:700 mg/kg QJPPAL 19,483,46

ipr-mus LD50:562 mg/kg JMCMA 11,1020,68

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

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of I^- .

TKQ300 CAS: 21342-26-7 HR: 3
TRIIODISOPROPYLGERMANE

mf: $\text{C}_3\text{H}_7\text{GeI}_3$ mw: 496.39

SYN: GERMANE, TRIIODISOPROPYL-

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:270 mg/kg CHDDAT 262,1302,1966

ipr-mus LD50:220 mg/kg CHDDAT 262,1302,1966

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

TKR000 CAS: 609-23-4 HR: 3
2,4,6-TRIIODOPHENOL

mf: $\text{C}_6\text{H}_3\text{I}_3\text{O}$ mw: 471.79

PROP: Needles from EtOH (aq). Mp: 157–159°.

TOXICITY DATA with REFERENCE:

orl-mus LD50:>4 g/kg PHARAT 18,642,63

ivn-mus LD50:180 mg/kg CSLNX* NX#03493

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Low toxicity by ingestion. When heated to decomposition it emits toxic fumes of I^- . See also IODIDES and PHENOL.

TKR050 CAS: 13904-39-7 HR: 3
TRIIODOPROPYLGERMANE

mf: $\text{C}_3\text{H}_7\text{GeI}_3$ mw: 496.39

SYNS: GERMANE, TRIIODOPROPYL- □ GERMANE,
 PROPYLTRIIODO- □ PROPYLTRIIODOGERMANE □ TRIJOD-
 PROPYLGERMAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:270 mg/kg 85JCAE-,1240,1986

orl-mus LD50:220 mg/kg 85JCAE-,1240,1986

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of Ge and I^- .

TKR100 CAS: 1052-92-2 HR: D
**TRIIODOTHYROACETIC ACID,
 DIETHANOLAMINE**

mf: $\text{C}_{14}\text{H}_9\text{I}_3\text{O}_4 \cdot \text{C}_4\text{H}_{11}\text{NO}_2$ mw: 727.09

SYNS: ACETIC ACID, (4-(4-HYDROXY-3-IODOPHENOXY)-3,5-DIIODOPHENYL)-, compounded with 2,2'-IMINODIETHANOL □
 ACETIC ACID, (4-(4-HYDROXY-3-IODOPHENOXY)-3,5-DIIODOPHENYL)-, DIETHANOLAMINE SALT □ DIETHANOL-
 AMINE SALT OF TRIIODOTHYROACETIC ACID □
 DIETHANOLAMINE TRIIODOTHYROACETATE □ (4-(4-HYDROXY-3-IODOPHENOXY)-3,5-DIIODOPHENYL)ACETIC
 ACID DIETHANOLAMINESALT

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and I^- .

TKR500 CAS: 100-99-2 HR: 3
TRIISOBUTYLALUMINUM

mf: $(\text{C}_4\text{H}_9)_3\text{Al}$ mw: 198.3

PROP: Clear, colorless liquid. D: 0.7859 @ 20°, mp: 6°, vap press: 1 mm @ 47°, flash p: <4°, fp: 4.3°, bp: 86° @ 10 mm.

SYNS: ALUMINUM, TRIS(2-METHYLPROPYL)-(9CI) □

TRIISOBUTYLALANE □ TRIISOBUTYLALUMINIUM □ TRIS(2-METHYLPROPYL)ALUMINUM

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 2 mg(Al)/m³

DOT CLASSIFICATION: Flammable Solid; Label: Spontaneously Combustible

SAFETY PROFILE: A poison. Extremely destructive to living tissue. A very dangerous fire hazard; ignites on exposure to air. Incompatible with moisture, acids, air, alcohols, amines, halogens. To fight fire, use CO₂, dry sand, dry chemical. Do not use water, foam, or halogenated extinguishing agents. When heated to decomposition it emits acrid smoke and irritating fumes.

TKR750 CAS: 13195-76-1 HR: 2
TRIISOBUTYL BORATE

mf: C₁₂H₂₇BO₃ mw: 230.20

PROP: Colorless, moisture-sensitive liquid; odor of isobutyl alc. Bp: 207°, flash p: 185°F (COC), d: 0.843 @ 23°.

SYN: BORIC ACID, TRIISOBUTYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD 14KTAK -,706,64

orl-mus LD50:2020 mg/kg USBCC*

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Flammable when exposed to heat, flame, or oxidizers. To fight fire, use water spray, foam, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and BORON COMPOUNDS.

TKS000 CAS: 68955-06-6 HR: 1
TRIISOBUTYLENE OXIDE

mf: C₁₂H₂₄O mw: 184.36

SYN: EP-1086

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg UCDS** 12/13/63

orl-rat LD50:6690 mg/kg UCDS** 12/13/63

skn-rbt LD50:14 g/kg UCDS** 12/13/63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKS500 CAS: 2757-28-0 HR: 2
TRISOOCTYLAMINE

mf: C₂₄H₅₁N mw: 353.76

SYN: 6,6',6"-TRIMETHYLTRIHEPTYLAMINE

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:1620 mg/kg AIHAAP 23,95,62

skn-rbt LD50:3180 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKT000 CAS: 25103-12-2 HR: 2
TRISOOCTYL PHOSPHITE

mf: C₂₄H₅₄O₃P mw: 421.75

PROP: Liquid. Bp: 161–164°, d: 0.891.

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:9200 mg/kg ALBRW* #OPB-3,84

skn-rbt LD50:3970 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHATES.

TKT100 CAS: 45173-31-7 HR: 2
TRIISOPENTYLPHOSPHINE

mf: C₁₅H₃₃P mw: 244.45

SYN: TRIS(3-METHYLBUTYL)PHOSPHINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2236 mg/kg GISAAA 47(8),27,82

ihl-rat LC50:1109 g/m³ GISAAA 47(8),27,82

orl-mus LD50:2600 mg/kg GISAAA 47(8),27,82

ihl-mus LC50:988 g/m³ GISAAA 47(8),27,82

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHINE.

TKT200 CAS: 101-00-8 HR: 1
TRIISOPROPANOLAMINE BORATE

mf: C₉H₁₈BNO₃ mw: 199.09

PROP: White needles from C₆H₆. Very sol in H₂O, Me₂CO, CHCl₃; less sol in C₆H₆, Et₂O; sltly sol in CCl₄; insol in pet ether.

SYN: BORIC ACID, TRIS(1-AMINO-2-PROPYL) ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 10 mg MLD 14KTAK -,693,64

orl-mus LD50:7200 mg/kg 14KTAK -,693,64

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

TKU300 CAS: 26967-76-0 HR: 1
TRI(ISOPROPYLPHENYL) PHOSPHATE

mf: C₂₇H₃₃O₄P mw: 452.57

SYNS: (1-METHYLETHYL)PHENOL PHOSPHATE (3:1) □

PHENOL, (1-METHYLETHYL)-, PHOSPHATE (3:1) □ REOFOS 95

□ TRIS(ISOPROPYLPHENYL) PHOSPHATE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg MLD AJOPAA 29,1363,46

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits toxic vapors of PO_x.

TKT500 CAS: 116-17-6 HR: 3
TRIISOPROPYL PHOSPHITE

mf: C₉H₂₁O₃P mw: 208.27

PROP: A liquid. Bp: 63–64° @ 11 mm.

SYNS: PHOSPHOROUS ACID, TRIISOPROPYL ESTER □ PHOSPHOROUS ACID, TRIS(1-METHYLETHYL) ESTER

TOXICITY DATA with REFERENCE:

mmo-sat 5 µL/plate MUREAV 28,405,75

sln-dmg-ori 50 mmol/L MUREAV 28,405,75

ori-rat LD50:167 mg/kg ALBRW* #OPB-3,84

ipr-mus LD50:500 mg/kg 14CYAT 2,1918,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of PO_x. See also ESTERS.

TKT750 CAS: 19464-55-2 HR: 3
TRIISOPROPYL TIN ACETATE

mf: C₁₁H₂₄O₂Sn mw: 307.04

SYN: ACETOXYTRIISOPROPYLSTANNANE

TOXICITY DATA with REFERENCE:

ori-rat LD50:44 mg/kg BJIMAG 15,15,58

ivn-rat LD50:12 mg/kg BJIMAG 15,15,58

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 and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ESTERS.

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

TKT800 CAS: 14101-95-2 HR: 3
TRIISOPROPYL TIN CHLORIDE

mf: C₉H₂₁ClSn mw: 283.44

SYNS: CHLOROTRIISOPROPYLSTANNANE □ STANNANE, CHLOROTRIS(1-METHYLETHYL)- □ STANNANE, CHLOROTRIISOPROPYL- □ TRIISOPROPYLCHLOROSTANNANE

TOXICITY DATA with REFERENCE:

ori-rat LD50:44 mg/kg PHARAT 37,801,1982

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

TKT850 CAS: 73928-00-4 HR: 3
TRIISOPROPYL TIN UNDECYLENATE

mf: C₂₀H₄₂O₂Sn mw: 433.31

SYNS: STANNANE, TRIISOPROPYL(UNDECANOYLOXY)- □ UNDECANOIC ACID, TRIISOPROPYLSTANNYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:32 mg/kg CSLNX* NX#04267

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

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

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

TKU000 CAS: 7739-33-5 HR: 2
N-TRIISOPROPYL-B-TRIETHYL BORAZOLE

mf: C₁₅H₃₆B₃N₃ mw: 290.97

SYN: 2,4,6-TRIETHYL-1,3,5-TRIISOPROPYLBORAZINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:707 mg/kg SCCUR* -,8,61

ori-mus LD50:3530 mg/kg SCCUR* -,8,61

ipr-mus LD50:2460 mg/kg SCCUR* -,8,61

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x. See also ESTERS and BORON COMPOUNDS.

TKU250 HR: 3
TRILEAD DINITRIDE

mf: N₂Pb₃ mw: 649.58

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

SAFETY PROFILE: Unstable; decomposes explosively. When heated to decomposition it emits toxic fumes of Pb and NO_x. See also LEAD COMPOUNDS.

TKU275 HR: 3
N,N,4-TRILITHIOANILINE

mf: C₆H₄Li₃N mw: 110.93

Li₂NC₆H₄Li

SAFETY PROFILE: Explodes on contact with air. When heated to decomposition it emits toxic fumes of NO_x. See also LITHIUM COMPOUNDS.

TKU500 CAS: 919-16-4 HR: D
TRILITHIUM CITRATE

mf: C₆H₅O₇•3Li mw: 209.93

SYN: CITRIC ACID, TRILITHIUM SALT

TOXICITY DATA with REFERENCE:

mnt-mus-ipr 7800 nmol/kg MUREAV 66,33,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also LITHIUM COMPOUNDS.

TKU650 CAS: 39133-31-8 HR: 3
TRIMEBUTINE

mf: C₂₂H₂₉NO₅ mw: 387.48

PROP: Crystals from ethanol. Mp: 78–80°C. Sol in methylene chloride.

SYN: (±)-2-(DIMETHYLAMINO)-2-PHENYLBUTYL-3,4,5-TRIMETHOXYBENZOATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:365 mg/kg IYKEDH 15,688,84

scu-rat LD50:3610 mg/kg IYKEDH 15,688,84

ivn-rat LD50:23,400 µg/kg IYKEDH 15,688,84

ori-mus LD50:3230 mg/kg IYKEDH 15,688,84

ipr-mus LD50:260 mg/kg IYKEDH 15,688,84

ivn-mus LD50:47,800 µg/kg IYKEDH 15,688,84

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and

subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x . See also ESTERS.

TKU675 CAS: 34140-59-5 HR: D
TRIMEBUTINE MALEATE

mf: $\text{C}_{22}\text{H}_{29}\text{NO}_5 \cdot \text{C}_4\text{H}_4\text{O}_4$ mw: 503.60

PROP: Crystals from water. Mp: 105–106°.

SYNS: DEBRIDAT □ DROMOSTAT □ TM 906

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x . See also ESTERS.

TKU680 CAS: 8077-38-1 HR: 2
TRIMEC

mf: $\text{C}_{10}\text{H}_{11}\text{ClO}_3 \cdot \text{C}_8\text{H}_6\text{Cl}_2\text{O}_3 \cdot \text{C}_8\text{H}_6\text{Cl}_2\text{O}_3 \cdot \text{C}_2\text{H}_7\text{N}$
 mw: 701.84

SYNS: ACME INDUSTRIAL 10-51 BRUSH KILLER □ BENZOIC ACID, 3,6-DICHLORO-2-METHOXY-, COMPD. WITH N-METHYLMETHANAMINE (1:1), MIXT. WITH N-METHYLMETHANAMINE 2-(4-CHLORO-2-METHYLPHENOXY)-PROPANOATE AND N-METHYLMETHANAMINE (2,4-DICHLOROPHENOXY)ACETATE □ KILMOR □ TREX-SAN □ REED 10-51 BRUSH KILLER

TOXICITY DATA with REFERENCE:

orl-rat LD50:1060 mg/kg FMCHA2,C308,1991

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

TKU700 CAS: 528-44-9 HR: 2
TRIMELLITIC ACID

mf: $\text{C}_9\text{H}_6\text{O}_6$ mw: 210.15

SYNS: 1,2,4-BENZENETRICARBOXYLIC ACID □ TMA □ 1,2,4-TRICARBOXYBENZENE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2500 mg/kg GTPZAB 18(7),57,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKV000 CAS: 552-30-7 HR: 2
TRIMELLITIC ANHYDRIDE

mf: $\text{C}_9\text{H}_4\text{O}_5$ mw: 192.13

PROP: Crystals or needles. Mp: 162°, bp: 240–245° @ 14 mm. Sol in acetone, ethyl acetate, dimethylformamide.

SYNS: ANHYDROTRIMELLIC ACID □ 1,2,4-BENZENETRICARBOXYLIC ACID ANHYDRIDE □ 1,2,4-BENZENETRICARBOXYLIC ACID, CYCLIC 1,2-ANHYDRIDE □ 1,2,4-BENZENETRICARBOXYLIC ANHYDRIDE □ 4-CARBOXY-PHTHALIC ANHYDRIDE □ 1,3-DIHYDRO-1,3-DIOXO-5-ISOBENZOFURANCARBOXYLIC ACID □ 1,3-DIOXO-5-PHTHALANCARBOXYLIC ACID □ DIPHENYLMETHANE-4,4'-DIISOCYANATE-TRIMELLIC ANHYDRIDE-ETHOMID HT POLYMER □ NCI-C56633 □ TMA □ TMAN □ TRIMELLIC ACID ANHYDRIDE □ TRIMELLIC ACID-1,2-ANHYDRIDE □ TRIMELLITIC ACID CYCLIC-1,2-ANHYDRIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1900 mg/kg GTPZAB 18(7),57,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.005 ppm

ACGIH TLV: TWA CL 0.04 mg/m³

DFG MAK: 0.04 mg/m³

NIOSH REL: (Trimellitic Anhydride): handle as extremely toxic

SAFETY PROFILE: Moderately toxic by ingestion. Has caused pulmonary edema from inhalation. Irritant to lungs and air passages. May be a powerful allergen. Typical attack consists of breathlessness, wheezing, cough, running nose, immunological sensitization, and asthma symptoms. When heated to decomposition it emits acrid smoke and irritating fumes. See also ANHYDRIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Trimethylitic Anhydride, P&CAM 322.

TKV200 CAS: 1936-51-2 HR: 3
TRIMEPRAZINE HYDROCHLORIDE

mf: $\text{C}_{18}\text{H}_{22}\text{N}_2\text{S} \cdot \text{ClH}$ mw: 334.94

SYNS: ALIMEMAZIN HYDROCHLORIDE □ (METHYL-2-DIMETHYLAMINO-3-PROPYL)-10-PHENOTHIAZINE HYDROCHLORIDE □ PHENOTHIAZINE, 10-(3-DIMETHYLAMINO-2-METHYLPROPYL)-, HYDROCHLORIDE □ 6549 RP

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg AIPTAK 115,90,58

scu-mus LD50:300 mg/kg AIPTAK 115,90,58

ivn-mus LD50:55 mg/kg AIPTAK 151,515,64

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

TKW000 CAS: 12136-15-1 HR: 3
TRIMERCURY DINITRIDE

mf: Hg_3N_2 mw: 629.78

PROP: A solid. IDLH 10 mg/m³ (as Hg).

SYN: MERCURY NITRIDE

CONSENSUS REPORTS: Mercury and its 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.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Mercury compounds are poisons. An explosive sensitive to friction, impact, heating, or contact with sulfuric acid. Incompatible with sulfuric acid. When heated to decomposition it emits very toxic fumes of Hg and NO_x . See also MERCURY COMPOUNDS and NITRIDES.

TKW100 HR: 3
TRIMERESURUS FLAVOVIRIDIS VENOM

SYNS: T. FLAVOVIRIDIS VENOM □ VENOM, SNAKE, TRIMERESURUS FLAVOVIRIDIS

TOXICITY DATA with REFERENCE:

ipr-mus LD50:800 µg/kg TOXIA6 18,384,80

scu-mus LD50:4300 µg/kg KDIZAA 8,974,57

ivn-mus LD50:3333 µg/kg TOXIA6 5,17,67

ims-mus LD50:7500 µg/kg JJEMAG 33,245,63

ims-rbt LD50:6 mg/kg TOXIA6 18,351,80

SAFETY PROFILE: Poison by subcutaneous, intramuscular, intravenous, and intraperitoneal routes.

TKW500 CAS: 68-91-7 HR: 3
TRIMETHIOPHANE

mf: C₂₂H₂₅N₂O₅•C₁₀H₁₅O₄S mw: 596.86

PROP: Bitter crystals. Mp: 245° (approx decomp).

SYNS: ARFONAD □ ARFONAD CAMPHORSULFONATE □ ARFONAD ROCHE □ ARPHONAD □ CAMFOSULFONATO del d-3-4-(1'DIBENZIL-2-CHETO-IMIDAZOLIDO)-1,2-TRIMETIL-THIOPHANUM (ITALIAN) □ 1,3-DIBENZYLDECAHYDRO-2-OXOIMIDAZO(4,5-c)THIENO(1,2-a)THIOLIUM 10-CAMPHORSULFONATE □ 1,3-DIBENZYLDECAHYDRO-2-OXO-IMIDAZO(4,5-c)THIENO(1,2-a)THIOLIUM-2-OXO-10-BORANE-SULFONATE □ d-3,4-(1',3'-DIBENZYL-2'-KETOIMIDAZOLIDO)-1,2-TRIMETHYLENETHIOPHANUM-d-CAMPHORSULFONATE □ METHIOPLEGUM □ NU 2222 □ RO 2-2222 □ TRIMETAPHAN CAMPHOR-SULFONATE □ TRIMETAPHAN CAMSILATE □ TRIMETHA-PHAN CAMPHORSULFONATE □ TRIMETHAPHAN-10-CAMPHORSULFONATE □ TRIMETHAPHAN CAMSYLATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2494 mg/kg NIIRDN 6,528,82

ipr-rat LD50:141 mg/kg NIIRDN 6,528,82

scu-rat LD50:2024 mg/kg NIIRDN 6,528,82

ivn-rat LD50:21 mg/kg CLDND*

orl-mus LD50:927 mg/kg NIIRDN 6,528,82

ipr-mus LD50:112 mg/kg FAATDF 6,35,86

scu-mus LD50:629 mg/kg NIIRDN 6,528,82

ivn-mus LD50:14,400 µg/kg RPTOAN 37,7,74

ims-mus LD50:133 mg/kg YKYUA6 28,495,77

orl-dog LD50:400 mg/kg CLDND*

ivn-gpg LD50:13 mg/kg FRPSAX 10,1027,55

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, and intramuscular routes. Moderately toxic by subcutaneous route. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

TKW750 CAS: 554-92-7 HR: 3
TRIMETHOBENZAMIDE HYDROCHLORIDE

mf: C₂₁H₂₈N₂O₅•ClH mw: 424.97

PROP: A solid. Mp: 175–177°.

SYNS: N-(p-(2-(DIMETHYLAMINO)ETHOXY)BENZYL)-3,4,5-TRIMETHOXYBENZAMIDE HYDROCHLORIDE □ N-(p-(2-(DIMETHYLAMINO)ETHOXY)-BENZYL)-3,4,5-TRIMETHOXYBENZAMIDE MONOHYDROCHLORIDE □ 4-(2-(DIMETHYLAMINO)ETHOXY)-N-(3,4,5-TRIMETHOXYBENZOYL)BENZYLAMINE HYDROCHLORIDE □ TIGAN □ TIGAN HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1600 mg/kg AIPTAK 174,350,68

ipr-mus LD50:350 mg/kg JPETAB 126,270,59

scu-mus LD50:564 mg/kg AIPTAK 174,350,68

ivn-mus LD50:122 mg/kg AIPTAK 174,350,68

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⁻ and NO_x.

TKX000 CAS: 8064-90-2 HR: 3
TRIMETHOPRIM and SULPHAMETHOXAZOLE

mf: C₁₄H₁₈N₄O₃•C₁₀H₁₁N₃O₃S mw:543.66

PROP: A mixture containing 16.7% 2,4-diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine and 83.3% N'-(5-methyl-3-isoxazolyl)sulfanilamide (LANCAO 1,604,77).

SYNS: ABACIN □ ABACTRIM □ APOSULFATRIM □ BACTRAMIN □ BACTRIM □ BACTROMIN □ BAKTAR □ BISEPTOL □ CHEMITRIM □ CO-TRIMOXAZOLE □ DRYLIN □ ELTRIANYL □ EUSAPRIM □ FECTRIM □ GANTAPRIM □ GANTRIM □ KEPINOL □ LINARIS □ MICROTRIM □ MOMENTOL □ NOPIL □ OMSAT □ OXAPRIM □ PANTOPRIM □ SEPTRA □ SEPTRAN □ SEPTRIM □ SEPTRIN □ SIGAPRIN □ SULFAMETHOXAZOL-TRIMETHOPRIM □ SULFOTRIM □ SULFOTRIMIN □ SULPRIM □ SUMETROLIM □ SUPRIN □ TACUMIL □ TELEPRIN □ TMS 480 □ TRIGONYL □ TRIMESULF □ TRIMETHOPRIMSULFA □ TRIMFORTE □ TRIMOSULFA □ URO-SEPTRA

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:346 mg/kg;KID,SKN,MET LANCAO 1,604,77

ivn-man TDLo:80 mg/kg/4D-I:MET AIMEAS 103,161,85

orl-hmn LDLo:274 mg/kg/10D-I LANCAO 1,831,78

orl-rat LD50:5350 mg/kg KSRNAM 12,2716,78

ipr-rat LD50:1840 mg/kg NIIRDN 6,389,82

orl-mus LD50:3740 mg/kg KSRNAM 12,2716,78

ipr-mus LD50:2010 mg/kg NIIRDN 6,389,82

SAFETY PROFILE: Human poison by ingestion. Moderately toxic experimentally by ingestion and intraperitoneal routes. Human systemic effects by ingestion and intravenous routes: decreased urine volume or anuria, skin dermatitis, fever and other metabolic changes. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

TKX125 CAS: 18559-63-2 HR: 3
(±)-TRIMETHOQUINOL

mf: C₁₉H₂₃NO₅•ClH mw: 381.89

SYNS: AQ 110 □ (±)-1,2,3,4-TETRAHYDRO-1-(3,4,5-TRIMETHOXYBENZYL)-6,7-ISOQUINOLINEDIOL HYDROCHLORIDE □ dl-1-(3,4,5-TRIMETHOXYBENZYL)-6,7-DIHYDROXY-1,2,3,4-TETRAHYDROISOQUINOLINE HYDROCHLORIDE □ (±)-TRIMETOQUINOL HYDROCHLORIDE □ dl-TRIMETOQUINOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:311 mg/kg EJPHAZ 5,303,68

ivn-rat LD50:174 mg/kg EJPHAZ 5,303,68

ipr-mus LD50:340 mg/kg EJPHAZ 5,303,68

ivn-mus LD50:130 mg/kg EJPHAZ 5,303,68

ipr-gpg LD50:660 mg/kg EJPHAZ 5,303,68

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl. An adrenergic beta-stimulant. See also INOLIN.

TKX250 CAS: 635-41-6 HR: 2
TRIMETHOXAZINE

mf: C₁₄H₁₉NO₅ mw: 281.34

PROP: A solid. Mp: 120–122°.

SYNS: ABBOTT-22370 □ LG 50043 □ NSC-62939 □ PS 2383 □ TRIKSAZIN □ 4-(3,4,5-TRIMETHOXYBENZOYL)MORPHOLINE □ N-(3,4,5-TRIMETHOXYBENZOYL)MORPHOLINE □ 3,4,5-TRIMETHOXYBENZOYL-N-TETRAHYDROXAZINE □ 3,4,5-

TRIMETHOXY-N-BENZOYL-TETRAHYDROXAZINE □ N-(3,4,5-TRIMETHOXYBENZOYL)-TETRAHYDRO-1,4-OXAZINE □ TRIMETOGINE □ TRIMETOZIN □ TRIMETOZINA □ TRIMETOZINE □ TRIOXAZIN □ V 7

TOXICITY DATA with REFERENCE:

orl-rat LD50:1800 mg/kg ARZNAD 21,719,71
 ipr-rat LD50:1080 mg/kg YACHDS 4,248,76
 scu-rat LD50:1400 mg/kg YACHDS 4,248,76
 orl-mus LD50:2400 mg/kg YACHDS 4,248,76
 ipr-mus LD50:1150 mg/kg YACHDS 4,248,76
 scu-mus LD50:1550 mg/kg THERAP 20,401,65
 ivn-mus LD50:960 mg/kg 27ZQAG -,312,72
 par-mus LD50:1200 mg/kg RPTOAN 33,70,70

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, subcutaneous, parenteral, and intravenous routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

TKX500 CAS: 5688-80-2 HR: 3
3,4,5-TRIMETHOXYAMPHETAMINE
HYDROCHLORIDE

mf: C₁₂H₁₉NO₃•ClH mw: 261.78

PROP: A solid. Mp: 219–220°.

SYNS: α-METHYL-3,4,5-TRIMETHOXYPHENETHYLAMINE HYDROCHLORIDE □ 3,4,5-TRIMETHOXY-α-METHYL-β-PHENYLETHYLAMINE HYDROCHLORIDE □ 1-(3,4,5-TRIMETHOXYPHENYL)-2-AMINOPROPANE

TOXICITY DATA with REFERENCE:

orl-man TDLo:880 µg/kg:CNS JMCA9 101,317,55
 ipr-rat LD50:149 mg/kg TXAPA9 25,299,73
 ipr-mus LD50:250 mg/kg JMCMA9 13,26,70
 ivn-dog LD50:23 mg/kg TXAPA9 25,299,73
 ivn-mky LD50:31 mg/kg TXAPA9 25,299,73
 ipr-gpg LD50:172 mg/kg TXAPA9 25,299,73

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Human systemic effects by ingestion: central nervous system effects. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also BENZEDRINE.

TKX700 CAS: 2169-44-0 HR: 3
1,2,10-TRIMETHOXY-6a-α-APORPHIN-9-OL

mf: C₂₀H₂₃NO₄ mw: 341.44

PROP: A solid. Mp: 100–105°.

SYNS: LAUROSCHOLTZINE □ N-METHYLLAUROTETANINE □ ROGERSINE □ (S)-5,6,6a,7-TETRAHYDRO-1,2,10-TRIMETHOXY-6-METHYL-4H-DIBENZO(de,g)QUINOLIN-9-OL

TOXICITY DATA with REFERENCE:

orl-mus LD50:450 mg/kg APFRAD 38,537,80
 ipr-mus LD50:170 mg/kg APFRAD 38,537,80
 ivn-mus LD50:90 mg/kg APFRAD 38,537,80

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

TKY000 CAS: 3086-62-2 HR: 2
3,4,5-TRIMETHOXYBENZAMIDE

mf: C₁₀H₁₃NO₄ mw: 211.24

TOXICITY DATA with REFERENCE:

ipr-mus LD50:750 mg/kg BCPA6 11,639,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TKY250 CAS: 621-23-8 HR: 2
1,3,5-TRIMETHOXYBENZENE

mf: C₉H₁₂O₃ mw: 168.21

PROP: Prisms from EtOH. Mp: 51–53°, bp: 255°, flash p: 186° F.

SYN: PHLOROGLUCINOL TRIMETHYL ETHER

TOXICITY DATA with REFERENCE:

orl-mus LD50:1480 mg/kg OYAA2 3,187,69
 ipr-mus LD50:580 mg/kg OYAA2 3,187,69
 scu-mus LD50:2800 mg/kg OYAA2 3,187,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS.

TKY300 CAS: 17766-77-7 HR: 3
1-(3,4,5-TRIMETHOXYBENZOYL)-4-(2-PYRIDYL)PIPERAZINE

mf: C₁₉H₂₃N₃O₄ mw: 357.45

SYNS: KETONE, 4-(2-PYRIDYL)PIPERAZINYL 3,4,5-TRIMETHOXYPHENYL □ PIPERAZINE, 1-(2-PYRIDYL)-4-(3,4,5-TRIMETHOXYBENZOYL)- □ 4-(2-PYRIDYL)PIPERAZINYL 3,4,5-TRIMETHOXYPHENYL KETONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:800 mg/kg JMCMA9 11,332,68

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.

TKZ000 CAS: 738-70-5 HR: 3
5-(3,4,5-TRIMETHOXYBENZYL)-2,4-DIAMINO-PYRIMIDINE

mf: C₁₄H₁₈N₄O₃ mw: 290.36

PROP: Pale-yellow crystals from EtOH (aq). Mp: 199–203°.

SYNS: BW 56-72 □ 2,4-DIAMINO-5-(3,4,5-TRIMETHOXYBENZYL)PYRIMIDINE □ MONOPRIM □ NIH 204 □ NSC-106568 □ PROLOPRIM □ SYRAPRIM □ TIEMPE □ TRIMANYL □ TRIMETHOPRIM □ TRIMETHOPRIM □ 5-((3,4,5-TRIMETHOXYPHENYL)-METHYL)-2,4-PYRIMIDINEDIAMINE □ TRIMOPAN □ TRIMPEX □ WELLCOPRIM

TOXICITY DATA with REFERENCE:

dni-esc 5 mg/L CBINA8 17,113,77
 sln-nsc 62 mg/L MUREAV 167,35,86
 orl-rat LD50:200 mg/kg 14XBAV -,367,64
 orl-mus LD50:3960 mg/kg KSRNAM 13,115,79
 ipr-mus LD50:1870 mg/kg NKRZAZ 21,175,73
 ivn-mus LD50:200 mg/kg BJPCAL 33,72,68

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion and intravenous routes. Moderately toxic by intraperitoneal

route. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

TKZ100 CAS: 102-24-9 HR: 1

TRIMETHOXYBOROXINE

mf: C₃H₉B₃O₆ mw: 173.55

SYNS: BOROXIN, TRIMETHOXY- □ TRIMETHOXYBOROXIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:5160 mg/kg 14KTAK -,693,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Slightly toxic by ingestion. When heated to decomposition it emits toxic fumes of boron.

TLA000 CAS: 10138-89-3 HR: 2

1,1,3-TRIMETHOXYBUTANE

mf: C₇H₁₆O₃ mw: 148.23

PROP: Bp: 44° @ 7 mm.

TOXICITY DATA with REFERENCE:

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

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

orl-rat LD50:1480 mg/kg AMIHBC 10,61,54

ihl-rat LCLo:2000 ppm/4H AMIHBC 10,61,54

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

TLA250 CAS: 34346-90-2 HR: 2

3,4,5-TRIMETHOXYCINNAMALDEHYDE

mf: C₁₂H₁₄O₄ mw: 222.26

SYNS: TMCA □ 3-(3,4,5-TRIMETHOXYPHENYL)-2-PROPENAL

TOXICITY DATA with REFERENCE:

scu-rat TDLo:100 mg/kg:ETA JNCIAM 47,1037,71

mul-rat TDLo:250 mg/kg/7D-I:ETA,REP BJCAA1 26,504,72

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.

TLA500 CAS: 26219-22-7 HR: 3
4-(3,4,5-TRIMETHOXYCINNAMOYL)-1-PIPERAZINEACETIC ACID ETHYL ESTER HYDROCHLORIDE

mf: C₂₀H₂₈N₂O₆•ClH mw: 428.96

SYN: 4-(3',4',5'-TRIMETHOXYCINNAMOYL)-1-(ETHOXY-CARBONYLMETHYL)PIPERAZINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1300 mg/kg CHTPBA 4,293,69

ivn-mus LD50:300 mg/kg USXXAM #3590034

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and HCl. Used to treat angina. See also ESTERS.

TLA525 CAS: 24536-75-2 HR: 3
4-(3,4,5-TRIMETHOXYCINNAMOYL)-1-PIPERAZINEACETIC ACID ETHYL ESTER MALEATE

mf: C₂₀H₂₈N₂O₆•C₄H₄O₄ mw: 508.58

SYN: ((TRIMETHOXY-3',4',5' CINNAMOYL)-4 PIPERAZINYL)-2 ACETATE D'ETHYLE (MALEATE) (FRENCH)

TOXICITY DATA with REFERENCE:

orl-rat LD50:4190 mg/kg THERAP 26,845,71

ivn-rat LD50:360 mg/kg THERAP 26,845,71

ims-rat LD50:1115 mg/kg THERAP 26,845,71

orl-mus LD50:1190 mg/kg THERAP 26,845,71

ivn-mus LD50:360 mg/kg THERAP 26,845,71

ims-mus LD50:845 mg/kg THERAP 26,845,71

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

TLA600 CAS: 6163-73-1 HR: 1

TRI-(2-METHOXYETHANOL)PHOSPHATE

mf: C₉H₂₁O₇P mw: 272.27

SYNS: ETHANOL, 2-METHOXY-, PHOSPHATE (3:1) □ 2-METHOXYETHANOL PHOSPHATE (3:1) □ TRIS-(2-METHOXYETHYL)FOSFAT

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,1137,86

eye-rbt 500 mg/24H MLD 85JCAE -,1137,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLA650 CAS: 315706-65-1 HR: 3

3,4,5-TRIMETHOXY-N-(4-PROPYLCYCLO-HEXYL)BENZAMIDE

mf: C₁₉H₂₉NO₄ mw: 335.44

TOXICITY DATA with REFERENCE:

orl-mus TDLo:25.1 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.

TLB750 CAS: 2487-90-3 HR: 2

TRIMETHOXY SILANE

DOT: NA 9269

mf: C₃H₁₀O₃Si mw: 122.22

PROP: A liquid. Mp: -115°, bp: 84°, refr index: 1.3580, d: 0.960.

SYNS: TRIMETHOXYLANE (DOT) □ SILANE, TRIMETHOXY-

TOXICITY DATA with REFERENCE:

orl-rat LD50:9330 mg/kg AIHAAP 30,470,69

ihl-rat LC50:125 ppm/4H EPASR* 8EHQ-0680-0347

skn-rbt LD50:6300 mg/kg EPASR* 8EHQ-0680-0347

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison, Flammable Liquid

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

TLC000 CAS: 4420-74-0 HR: 2

TRIMETHOXYSYLYLPROPANETHIOL

3576 TLC250 3-(TRIMETHOXSILYL)-1-PROPANOL METHACRYLATE

mf: C₆H₁₆O₃Si mw: 196.37

PROP: A liquid with strong odor. D: 1.015 @ 25°/4°, bp: 93–94° @ 10 mm.

SYNS: γ-MERCAPTOPROPYLTRIMETHOXSILANE □ 3-MERCAPTOPROPYLTRIMETHOXSILANE □ SILICONE A-189 □ UNION CARBIDE 1-189

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 4/2/71
 orl-rat LD50:2940 mg/kg AIHAAP 30,470,69
 ipr-mus LD50:633 mg/kg DANKAS 229(4),1011,76
 skn-rbt LD50:5880 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by skin contact. A skin irritant. When heated to decomposition it emits toxic fumes of SO_x. See also MERCAPTANS and SILANE.

TLC250 CAS: 2530-85-0 HR: 1 3-(TRIMETHOXSILYL)-1-PROPANOL METHACRYLATE

mf: C₁₀H₂₀O₃Si mw: 248.39

SYNS: (3-HYDROXYPROPYL)TRIMETHOXSILANE METHACRYLATE □ γ-METHACRYLOXYPROPYLTRIMETHOXSILANE □ 2-METHYL-2-PROPENOIC ACID-3-(TRIMETHOXSILYL)PROPYL ESTER □ SILICONE 1-174 □ TRIMETHOXSILYL-3-PROPYLESTER KYSELINY METHAKRYLOVE (CZECH) □ 3-(TRIMETHOXSILYL)PROPYL ESTER METHACRYLIC ACID □ UNION CARBIDE 1-174

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,220,72
 eye-rbt 500 mg/24H MLD 28ZPAK -,220,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLC300 CAS: 2530-87-2 HR: 3 3-(TRIMETHOXSILYL)PROPYL CHLORIDE

mf: C₆H₁₅ClO₃Si mw: 198.75

SYNS: (γ-CHLOROPROPYL)TRIMETHOXSILANE □ Δ-CHLOROPROPYLTRIMETHOXSILANE □ (3-CHLOROPROPYL)TRIMETHOXSILANE □ CPS-M □ NSC 83878 □ SH 6076 □ SILA-ACE S 620 □ A 143 □ KBM 703 □ SILICONE A-143 □ SILANE, (3-CHLOROPROPYL)TRIMETHOXY- □ TRIMETHOXY(3-CHLOROPROPYL)SILANE □ Z 6076

TOXICITY DATA with REFERENCE:

orl-rat LD50:6170 μL/kg JTOTDO 15,261,1996
 skn-rbt LD50:2830 μL/kg NTIS** OTS0555731

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

TLC500 CAS: 1760-24-3 HR: 3 N-(3-TRIMETHOXSILYLPROPYL)ETHYLENE- DIAMINE

mf: C₈H₂₂N₂O₃Si mw: 222.41

PROP: Light straw-colored liquid. Bp: 146° @ 15 mm, refr index: 1.4450, d: 1.010, flash p: >230°F.

SYNS: (3-(2-

AMINOETHYL)AMINOPROPYL)TRIMETHOXSILANE □ SILICONE A-1120

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 4/2/71
 eye-rbt 15 mg SEV UCDS** 4/2/71
 orl-rat LD50:7460 mg/kg UCDS** 4/2/71
 ivn-mus LD50:180 mg/kg CSLNX* NX#03517
 skn-rbt LDLo:16 g/kg UCDS** 4/2/71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Mildly toxic by ingestion and skin contact. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

TLC600 CAS: 25147-91-5 HR: 3 N-(3-(TRIMETHOXSILYL)PROPYL)-1,3- PROPANEDIAMINE

mf: C₉H₂₄N₂O₃Si mw: 236.44

SYNS: (N-(3-AMINOPROPYL)-3-AMINOPROPYL)-TRIMETHOXSILANE □ 1,3-PROPANEDIAMINE, N-(3-(TRIMETHOXSILYL)PROPYL)- □ SILANE 40-47

TOXICITY DATA with REFERENCE:

skn-rbt 10 μL/24H MLD NTIS** OTS0534582
 eye-rbt 5 μL/24H SEV NTIS** OTS0534582
 orl-rat LD50:3730 μL/kg NTIS** OTS0534582
 skn-rbt LD50:8 mL/kg NTIS** OTS0534582

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

TLC650 CAS: 82985-35-1 HR: 3 3-(TRIMETHOXSILYL)-N-(3-(TRIMETHOXY- SILYL)PROPYL)-1-PROPANAMINE

mf: C₁₂H₃₁NO₆Si₂ mw: 670.16

SYNS: ORGANOFUNCTIONAL SILANE 45-49 □ 1-PROPANAMINE, 3-(TRIMETHOXSILYL)-N-(3-(TRIMETHOXSILYL)PROPYL)-

TOXICITY DATA with REFERENCE:

skn-rbt 500 μL MOD NTIS** OTS0533892
 eye-rbt 5 μL SEV NTIS** OTS0533892
 orl-rat LD50:3600 μL/kg NTIS** OTS0533892
 skn-rbt LD50:11300 μL/kg NTIS** OTS0533892

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

TLC850 CAS: 110011-81-9 HR: 2 3,4,5-TRIMETHOXY-α-VINYLBENZYL ALCOHOL ACETATE

mf: C₁₄H₁₈O₅ mw: 266.32

SYN: 1'-ACETOXYELEMICIN

TOXICITY DATA with REFERENCE:

mno-sat 2 μmol/plate CRNGDP 7,2089,86

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

TLD000 CAS: 2768-02-7 HR: 1

TRIMETHOXYVINYL-SILANEmf: C₅H₁₂O₃Si mw: 148.26**PROP:** Liquid. Bp: 123°, refr index: 1.3920, d: 1.130, flash p: 73° F.**SYNS:** A 171 □ A 171 (SILANE DERIVATIVE) □ ETHENYL-TRIMETHOXY-SILANE □ KBM 1003 □ SILANE, ETHENYL-TRIMETHOXY-(9CI) □ SZ 6300 □ (TRIMETHOXY-SILYL)-ETHENE □ V 4917 □ VINYL TRIMETHOXY SILANE □ VTS-M □ Y 4302**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,1224,86

eye-rbt 500 mg/24H MLD 85JCAE -,1224,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**TLD250 CAS: 5096-21-9 HR: 2****2,4,6-TRIMETHYLACETANILIDE**mf: C₁₁H₁₅NO mw: 177.27**PROP:** Prisms from EtOH. Mp: 216–217°.**SYNS:** ACETOMESIDIDE □ 2',4',6'-TRIMETHYLACETANILIDE □ N-(2,4,6-TRIMETHYLPHENYL)ACETAMIDE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:3500 mg/kg CNREA8 26,619,66

orl-mus LD50:750 mg/kg TXAPA9 19,20,71

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**TLD272 CAS: 75-24-1 HR: 3****TRIMETHYLALUMINUM**mf: C₃H₉Al mw: 72.09**PROP:** Mp: 15°, bp: 125–126°, d: 0.752.**SYNS:** TRIMETHYLALANE □ TRIMETHYLALUMINIUM**ACGIH TLV:** TWA 2 mg(Al)/m³**SAFETY PROFILE:** Extremely pyrophoric flammable solid. Mixtures with dichlorodi-μ-chlorobis(pentamethylcyclopentadienyl)dirhodium + air ignite and burn violently. See also ALUMINUM COMPOUNDS.**TLD500 CAS: 75-50-3 HR: 3****TRIMETHYLAMINE****DOT:** UN 1083/UN 1297mf: C₃H₉N mw: 59.13**PROP:** Volatile liquid with fishy odor, or colorless gas with pungent, ammonia-like odor; saline taste. Bp: 2.87°, lel: 2%, uel: 11.6%, fp: –117.1°, mp: –117.2°, d: 0.662 @ –5°, autoign temp: 374°F, vap d: 2.0, flash p: 20°F (CC). Misc with alc; sol in ether, benzene, toluene, xylene, chloroform.**SYNS:** TMA □ TRIMETHYLAMINE, anhydrous (UN 1083) (DOT) □ TRIMETHYLAMINE, aqueous solutions not >50% trimethylamine, by weight (UN 1297) (DOT)**TOXICITY DATA with REFERENCE:**

ihl-rat LCLo:3500 ppm/4H TOXID9 4,68,84

unr-rat LD50:535 mg/kg GISAAA 46(8),79,81

ivn-mus LD50:90 mg/kg MPHEAE 16,529,67

scu-mus LDLo:1000 mg/kg BBMS** -, -,48

scu-rbt LDLo:800 mg/kg CRSBAW 83,481,20

ivn-rbt LDLo:400 mg/kg BBMS** -, -,48

rec-rbt LDLo:800 mg/kg CRSBAW 83,481,20

scu-frg LDLo:2000 mg/kg SAPHAO 10,201,1900

ihl-mam LC50:19 g/m³ TPKVAL 14,80,75**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 10 ppm; STEL 15 ppm**ACGIH TLV:** TWA 5 ppm; STEL 15 ppm**DOT CLASSIFICATION:** 2.1; Label: Flammable Gas (UN 1083); DOT Class: 3; Label: Flammable Liquid (UN 1297)**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by subcutaneous and rectal routes. Mildly toxic by inhalation. A very dangerous fire hazard when exposed to heat or flame. Self-reactive. Moderately explosive in the form of vapor when exposed to heat or flame. Can react with oxidizing materials. To fight fire, stop flow of gas. Potentially explosive reaction with bromine + heat, ethylene oxide, triethynylaluminum. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**TLE100 CAS: 1184-78-7 HR: 3****TRIMETHYLAMINE OXIDE**mf: C₃H₉NO mw: 75.11**PROP:** Hygroscopic needles or large crystals from DMF. Mp: 255–257°. Sol in water and alc.**SAFETY PROFILE:** An unstable explosive. When heated to decomposition it emits toxic fumes of NO_x. See also TRIMETHYLAMINE OXIDE, DIHYDRATE and AMINES.**TLE250 CAS: 62637-93-8 HR: 1****TRIMETHYLAMINE OXIDE, DIHYDRATE**mf: C₃H₉NO•2H₂O mw: 111.17**SYNS:** N,N-DIMETHYLMETHANAMINE OXIDE, DIHYDRATE □ TRIMETHYLAMMONIUM OXIDE HYDRATE (CZECH)**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg/24H MOD 28ZPAK -,74,72

orl-rat LD50:8700 mg/kg 28ZPAK -,74,72

scu-rbt LDLo:3 g/kg HBAMAK 4,1289,35

SAFETY PROFILE: Mildly toxic by ingestion and subcutaneous routes. An eye irritant. Can explode during concentration. When heated to decomposition it emits toxic fumes of NO_x and NH₃. See also AMINES.**TLE500 CAS: 22755-36-8 HR: 3****TRIMETHYLAMINE-N-OXIDE PERCHLORATE**mf: C₃H₁₀ClNO₅ mw: 175.57(CH₃)₃N⁺OHClO₄[–]**SYNS:** TRIMETHYLAMINE OXIDE PERCHLORATE □ TRIMETHYLHYDROXYLAMMONIUM PERCHLORATE**SAFETY PROFILE:** A shock- and heat-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x and Cl[–]. See also PERCHLORATES and AMINES.**TLE750 CAS: 54-88-6 HR: 3****2,N,N-TRIMETHYL-4-AMINOAZOBENZENE**

mf: C₁₅H₁₇N₃ mw: 239.35

SYNS: N,N-DIMETHYL-4-(PHENYLAZO)-m-TOLUIDINE □ 2-MeDAB □ 2-METHYL-DAB □ 2-METHYL-N,N-DIMETHYL-4-AMINOAZOBENZENE □ 2-METHYL-4-DIMETHYLAMINOAZOBENZENE

TOXICITY DATA with REFERENCE:

mma-sat 120 µg/plate PNASA6 72,5135,75
 mrc-smc 5 pph JNCIAM 62,901,79
 otr-rat:emb 1200 µg/L JJIND8 67,1303,81
 dns-rat:lvrl 1 µmol/L CNREA8 42,3010,82
 dni-rat-orl 1080 mg/kg/30D-I CBINA8 48,221,84
 oms-rat-orl 1080 mg/kg/30D-I CBINA8 48,221,84
 sce-rat:lvrl 40 µmol/L MUREAV 93,409,82
 scu-mus TDLo:40 mg/kg/5D-I:NEO JNCIAM 47,593,71
 ipr-mus LD50:345 mg/kg JJIND8 62,911,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also AROMATIC AMINES.

TLF000 CAS: 73728-79-7 HR: 2
3,2',5'-TRIMETHYL-4-AMINODIPHENYL

mf: C₁₅H₁₇N mw: 211.33**SYN:** 3,2',5'-TRIMETHYLBIPHENYLAMINE

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

TLF250 CAS: 7145-92-8 HR: 3
TRIMETHYL-3-AMINOPHENYLARSONIUM CHLORIDE

mf: C₉H₁₅AsN•Cl mw: 247.62**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:40 mg/kg JACSAT 63,1493,41

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of As, NO_x, and Cl⁻. See also ARSENIC COMPOUNDS and CHLORIDES.

TLF500 CAS: 513-10-0 HR: 3
S-(2-(N,N,N-TRIMETHYLAMMONIO)ETHYL)-O,O-DIETHYLPHOSPHOROTHIOATE IODIDE

mf: C₉H₂₃NO₃PS•I mw: 383.26**PROP:** Crystals. Mp: 124–124.5°. Sol in H₂O.

SYNS: 2-DIAETHOXYPHOSPHINYL-THIOAETHYL-TRIMETHYL-AMMONIUM-JODID (GERMAN) □ N-(2-(DIETHOXYPHOSPHINYLTHIO)ETHYL)TRIMETHYLAMMONIUM IODIDE □ 2-DIETHOXY-PHOSPHINYLTHIOAETHYL-TRIMETHYLAMMONIUM IODIDE □ DIETHOXYPHOSPHORYLTHIOCHOLINE IODIDE □ (2-(O,O-DIETHYLPHOSPHOROTHIO)ETHYL)TRIMETHYLAMMONIUM, IODIDE □ O,O-DIETHYL-S-2-TRIMETHYLAMMONIUM ETHYLPHOSPHONOTHIOATE IODIDE □ S-(2-DIMETHYLAMINOETHYL)-O,O-DIETHYLPHOSPHORITHIOATE METHIODIDE □ ECHODIDE □ ECHOTHIOPHATE □ ECHOTHIOPHATE

IODIDE □ ECOTHIOPATE IODIDE □ ECOTHIOPHATE IODIDE □ S-ESTER of (2-MERCAPTOETHYL)TRIMETHYL-AMMONIUM IODIDE with O,O-DIETHYL PHOSPHOROTHIOATE □ (2-MERCAPTOETHYL)TRIMETHYLAMMONIUM IODIDE S-ESTER with O,O-DIETHYL PHOSPHOROTHIOATE □ 217 MI □ PHOSPHOLINE (pharmaceutical) □ PHOSPHOLINE IODIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:140 µg/kg TXAPA9 6,269,64
 scu-mus LD50:130 µg/kg JMCMA9 19,810,76
 ocu-rbt LD50:250 µg/kg AJOPAA 53,512,62

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and ocular routes. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, SO_x, NH₃, and I⁻. See also IODIDES and MERCAPTANS.

TLF750 CAS: 593-81-7 HR: 3
TRIMETHYLAMMONIUM CHLORIDE

mf: C₃H₉N•ClH mw: 95.59

PROP: Needles from EtOH. Hygroscopic. Mp: 277–278° (decomp). Sol in EtOH, insol in Et₂O.

SYN: TRIMETHYLAMINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:325 mg/kg MPHEAE 16,529,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and HCl. See also AMINES.

TLF800 CAS: 14149-43-0 HR: 3
TRIMETHYLAMMONIUM PERCHLORATE

mf: C₃H₁₀ClNO₄ mw: 159.57(CH₃)₃N⁺HClO₄⁻

SAFETY PROFILE: Burns violently. A more powerful rocket propellant than ammonium perchlorate. When heated to decomposition it emits toxic fumes of Cl⁻, NH₃, and NO_x. See also PERCHLORATES.

TLG000 CAS: 14149-43-0 HR: 3
N-(3-TRIMETHYLAMMONIUMPROPYL)-N-METHYLCAMPHIDINIUM BIS(METHYLSULFATE)

mf: C₁₇H₃₆N₂•2CH₃O₄S mw: 490.75**PROP:** Crystals. Mp: 192–193°.

SYNS: BARATOL □ CAMPHIDONIUM □ EUPREX □ HA 106 □ OSTENOL □ OSTENSIN □ TRIMETHIDINIUM BIMETHOSULFATE □ TRIMETHIDINIUM METHOSULFATE □ N-(γ-TRIMETHYLAMMONIUMPROPYL)-N-METHYLCAMPHIDINIUM DIMETHYL SULFATE □ N-(γ-TRIMETHYL-AMMONIUMPROPYL)-N-METHYL-CAMPHIDINIUM-DIMETHYLSULPHATE (GERMAN) □ N-(γ-TRIMETHYL-AMMONIUMPROPYL)-N-METHYLCAMPHIDINIUM METHYL SULFATE (GERMAN) □ WY-1395

TOXICITY DATA with REFERENCE:

scu-rat LD50:540 mg/kg ARZNAD 7,123,57
 ivn-rat LD50:66 mg/kg ARZNAD 7,123,57
 orl-mus LD50:65 mg/kg ARZNAD 7,123,57
 ipr-mus LD50:240 mg/kg ARZNAD 7,123,57
 scu-mus LD50:104 mg/kg ARZNAD 7,123,57

ivn-mus LD50:25 mg/kg ARZNAD 7,123,57

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and SO_x. See also SULFATES.

TLG150 CAS: 99-97-8 HR: 3
N,N,4-TRIMETHYLANILINE

mf: C₉H₁₃N mw: 135.23

SYNS: BENZENAMINE, N,N,4-TRIMETHYL- □ DIMETHYL-*p*-TOLUIDINE □ DIMETIL-*p*-TOLUIDINA □ *p*-TOLUIDINE, N,N-DIMETHYL- □ *p*,N,N-TRIMETHYLANILINE

TOXICITY DATA with REFERENCE:

dnd-rat-oral 1082 mg/kg EMMUEG 21,349,93

dnd-rat-ipr 541 mg/kg EMMUEG 21,349,93

ipr-mus LD50:212 mg/kg AISFAR 1,284,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Amines, Aromatic, 2002.

TLG250 CAS: 137-17-7 HR: 3
2,4,5-TRIMETHYLANILINE

mf: C₉H₁₃N mw: 135.23

PROP: Needles in H₂O. Mp: 68°, bp: 234–235°.

SYNS: 1-AMINO-2,4,5-TRIMETHYLBENZENE □ *psi*-CUMIDINE □ NCI-C02299 □ PSEUDOCUMIDINE □ 1,2,4-TRIMETHYL-5-AMINOBENZENE □ 2,4,5-TRIMETHYLANILIN (CZECH) □ 2,4,5-TRIMETHYLBENZENAMINE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate ENMUDM 8(Suppl 7),1,86

dnd-ham:lng 10 mmol/L MUREAV 77,317,80

oral-rat LD50:1250 mg/kg MarJV# 29MAR77

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 27,177,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-160,79.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. Used as a dye, pigment, and printing ink. See also ANILINE DYES.

TLG500 CAS: 88-05-1 HR: 3
2,4,6-TRIMETHYLANILINE

mf: C₉H₁₃N mw: 135.23

PROP: A liquid. Mp: 233°, d: 0.96, refr index: 1.5510, bp: 232–233°.

SYNS: AMINOMESITYLENE □ 2-AMINOMESITYLENE □ 1-AMINO-2,4,6-TRIMETHYLBENZENE (CZECH) □ 2-AMINO-1,3,5-TRIMETHYLBENZENE □ MESIDIN (CZECH) □ MESIDINE □ MESITYLAMINE □ MEZIDINE □ 2,4,6-TRIMETHYLBENZENAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,66,72

eye-rbt 20 mg/24H SEV 28ZPAK -,66,72

dnd-ham:lng 3 mmol/L/2H MUREAV 77,317,80

oral-rat LD50:743 mg/kg MarJV# 29MAR77

oral-mus LD50:590 mg/kg 85GMAT -,20,82

ihl-mus LC50:290 mg/m³/2H 85GMAT -,20,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 27,177,82. EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. A skin and severe eye irritant. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

TLG700 CAS: 121-72-2 HR: 3
N,N,3-TRIMETHYLANILINE

mf: C₉H₁₃N mw: 135.23

SYNS: BENZENAMINE, N,N,3-TRIMETHYL-(9CI) □ DIMETHYL-*m*-TOLUIDINE □ DIMETIL-*m*-TOLUIDINA □ *m*,N,N-TRIMETHYLANILINE □ N,N,3-TRIMETHYL-BENZENAMINE □ *m*-TOLUIDINE, N,N-DIMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 mg/kg AISFAR 1,284,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLG750 CAS: 21436-97-5 HR: 3
2,4,5-TRIMETHYLANILINE HYDROCHLORIDE

mf: C₉H₁₃N•ClH mw: 171.69

SYNS: 1-AMINO-2,4,5-TRIMETHYLBENZENE HYDROCHLORIDE □ *psi*-CUMIDINE HYDROCHLORIDE □ PSEUDOCUMIDINE HYDROCHLORIDE □ 1,2,4-TRIMETHYL-5-AMINOBENZENE HYDROCHLORIDE □ 2,4,5-TRIMETHYLBENZENAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

oral-rat LD50:1585 mg/kg JPETAB 167,223,69

ipr-mus LD50:340 mg/kg NCIBR* NIH-NCI-E-68-1311,10,73

CONSENSUS REPORTS: IARC Cancer Review: Animal Inadequate Evidence IMEMDT 27,177,82.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

TLH000 CAS: 6334-11-8 HR: 3
2,4,6-TRIMETHYLANILINE HYDROCHLORIDE

mf: C₉H₁₃N•ClH mw: 171.69

SYNS: AMINOMESITYLENE HYDROCHLORIDE □ 2-AMINOMESITYLENE HYDROCHLORIDE □ 2-AMINO-1,3,5-TRIMETHYLBENZENE HYDROCHLORIDE □ MESIDINE HYDROCHLORIDE □ MESITYLAMINE HYDROCHLORIDE □ 2,4,6-TRIMETHYLBENZENAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

oral-rat LD50:660 mg/kg JPETAB 167,223,69

ipr-rat LD50:338 mg/kg NCIBR* NIH-NCI-E-68-1311,10,73

ipr-mus LD50:260 mg/kg NCIBR* NIH-NCI-E-68-1311,10,73

CONSENSUS REPORTS: IARC Cancer Review: Animal Inadequate Evidence IMEMDT 27,177,82.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and neoplastigenic data. Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

TLH050 CAS: 63018-94-0 HR: 2
2,9,10-TRIMETHYLANTHRACENE

mf: C₁₇H₁₆ mw: 220.31

TOXICITY DATA with REFERENCE:

mno-sat 20 µg/plate CRNGDP 6,1483,85

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

TLH100 CAS: 594-10-5 HR: 3
TRIMETHYL ANTIMONY

mf: C₃H₉Sb mw: 166.87

(CH₃)₃Sb

PROP: Colorless liquid. D: 1.523 @ 15°, mp: -62°, bp: 82°.

SYN: TRIMETHYLSTILBINE

TOXICITY DATA with REFERENCE:

scu-cat LDLo:1370 mg/kg JPETAB 66,366,39

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony): TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Moderately toxic by subcutaneous route. Ignites spontaneously in air. Mixtures with 2-iodoethanol explode at 150°C. Violent reaction with halogens. When heated to decomposition it emits toxic fumes of Sb. See also ANTIMONY COMPOUNDS.

TLN125 CAS: 63884-77-5 HR: 3
β,γ,γ-TRIMETHYLCAPROALDEHYDE THIO-SEMICARBAZONE

SYN: CAPROALDEHYDE, β,γ,γ-TRIMETHYL-, THIOSEMICARBAZONE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:100 mg/kg NCNSA6 5,43,1953

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

TLH150 CAS: 593-88-4 HR: 3
TRIMETHYL ARSINE

mf: C₃H₉As mw: 120.03

(CH₃)₃As

PROP: Liquid with unpleasant penetrating odor. Mp: 55°.

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

SAFETY PROFILE: Arsenic compounds are poisons. Ignites spontaneously in air. Violent reaction with

halogens. When heated to decomposition it emits toxic fumes of As. See also ARSINE and ARSENIC COMPOUNDS.

TLH170 CAS: 4964-14-1 HR: 1
TRIMETHYLARSINE OXIDE

mf: C₃H₉AsO mw: 136.04

SYN: ARSINE OXIDE, TRIMETHYL-

TOXICITY DATA with REFERENCE:

cyt-hmn-fbr 3700 µmol/L MUREAV 357,123,1996

orl-mus LD50:10,600 mg/kg JAFCAU 45,449,1997

SAFETY PROFILE: Low toxicity by ingestion.

Mutation data reported. When heated to decomposition it emits toxic vapors of As.

TLH250 CAS: 41262-21-9 HR: 3
TRIMETHYLARSINE SELENIDE

mf: C₃H₉AsSe mw: 199.00

PROP: Thin needles from EtOH. Mp: ca 1° decomp.

SYN: ARSINE SELENIDE, TRIMETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:8 mg/kg JPETAB 25,315,25

OSHA PEL: TWA 0.5 mg(As)/m³; 0.2 mg(Se)/m³

ACGIH TLV: BEI: 35 µ(As)/L inorganic arsenic and methylated metabolites in urine; TWA 0.2 mg(Se)/m³

SAFETY PROFILE: Poison by intravenous route.

When heated to decomposition it emits toxic fumes of As and Se.

TLH350 CAS: 63040-05-1 HR: 2
3,5,9-TRIMETHYL-1:2-BENZACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYNS: 1,6,10-TRIMETHYL-7:8 BENZACRIDINE (FRENCH) □ 5,7,11-TRIMETHYLBENZ(c)ACRIDINE

TOXICITY DATA with REFERENCE:

skn-mus TDLo:250 mg/kg/21W-I:ETA AICCA6 7,184,50

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

TLH500 CAS: 63040-01-7 HR: 2
3,8,12-TRIMETHYLBENZ(a)ACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYN: 1,10,3'-TRIMETHYL-5:6 BENZACRIDINE (FRENCH)

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

TLH750 CAS: 63040-02-8 HR: 2
5,7,8-TRIMETHYL-3:4-BENZACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYN: 2,3,10 TRIMETHYL-5:6 BENZACRIDINE (FRENCH)

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

TLI000 CAS: 64038-40-0 HR: 2
7,8,11-TRIMETHYLBENZ(c)ACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYNS: 5,6,9-TRIMETHYL-1:2-BENZACRIDINE □ 1,4,10 TRIMETHYL-7:8 BENZACRIDINE (FRENCH)

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

TLI250 CAS: 58430-01-6 HR: 2
7,9,10-TRIMETHYLBENZ(c)ACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYN: 2,3,10-TRIMETHYL-7:8-BENZACRIDINE (FRENCH)

TOXICITY DATA with REFERENCE:

mma-sat 1 nmol/plate GANNA2 70,749,79

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

TLI500 CAS: 51787-42-9 HR: 2
7,9,11-TRIMETHYLBENZ(c)ACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYN: 1,3,10-TRIMETHYL-7:8-BENZACRIDINE (FRENCH)

TOXICITY DATA with REFERENCE:

mma-sat 1 nmol/plate GANNA2 70,749,79

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

TLI750 CAS: 51787-43-0 HR: 2
8,10,12-TRIMETHYLBENZ(a)ACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYN: 1,3,10-TRIMETHYL-5:6-BENZACRIDINE (FRENCH)

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

TLJ250 CAS: 18429-71-5 HR: 2
4,5,10-TRIMETHYLBENZ(a)ANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

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

TLJ500 CAS: 35187-24-7 HR: 2
4,7,12-TRIMETHYLBENZ(a)ANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

TOXICITY DATA with REFERENCE:

mma-sat 20 µg/plate CNREA8 36,4525,76

ims-rat TDLo:10 mg/kg;NEO NATUAS 273,566,78

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

TLJ750 CAS: 20627-33-2 HR: 2
4,9,10-TRIMETHYL-1,2-BENZANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

SYN: 6,7,12-TRIMETHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

cyt-rat-ivn 50 mg/kg GANNA2 64,637,73

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported.

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

TLK000 CAS: 20627-32-1 HR: 2
6,7,8-TRIMETHYLBENZ(a)ANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

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

TLK500 CAS: 20627-34-3 HR: 2
6,8,12-TRIMETHYLBENZ(a)ANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

TOXICITY DATA with REFERENCE:

cyt-rat-ivn 50 mg/kg GANNA2 64,637,73

cyt-rat-ipr 140 mg/kg/10D-I JEMEAV 131,331,70

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic and tumorigenic data.

Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

TLK600 CAS: 24891-41-6 HR: 2
6,9,12-TRIMETHYL-1,2-BENZANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

SYN: 7,9,12-TRIMETHYLBENZ(a)ANTHRACENE

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

TLK750 CAS: 13345-64-7 HR: 3
7,8,12-TRIMETHYLBENZ(a)ANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

SYNS: 7,8,12-TMBA □ 5:9:10-TRIMETHYL-1:2-BENZANTHRACENE

TOXICITY DATA with REFERENCE:

sln-dmg-par 5 mmol/L MUREAV 125,243,84

sce-rat:bmr 270 mg/L JJIND8 67,831,81

ivn-rat TDLo:175 mg/kg/10W-I:CAR JEMEAV 131,321,70

ivn-mus TDLo:20 mg/kg;ETA,REP MOPMA3 4,427,68

ivn-rat LD50:125 mg/kg MOPMA3 4,427,68

ivn-mus LD50:50 mg/kg MOPMA3 4,427,68

SAFETY PROFILE: Poison by intravenous route.

Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

TLL000 CAS: 35187-27-0 HR: 2
7,10,12-TRIMETHYLBENZ(a)ANTHRACENE

mf: C₂₁H₁₈ mw: 270.39

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

TLL250 CAS: 25551-13-7 HR: 3
TRIMETHYL BENZENE

mf: C₉H₁₂ mw: 120.21

SYN: TRIMETHYL BENZENE (mixed isomers)

TOXICITY DATA with REFERENCE:

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

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

orl-rat LD50:8970 mg/kg 28ZPAK -,24,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 25 ppm**ACGIH TLV:** TWA 25 ppm**SAFETY PROFILE:** Mildly toxic by ingestion. A skin and eye irritant. Flammable when exposed to heat, flame, and oxidizers. When heated to decomposition it emits acrid smoke and irritating fumes. See also individual trimethyl benzene isomers.**TLL500 CAS: 526-73-8 HR: 3**
1,2,3-TRIMETHYL BENZENEmf: C₉H₁₂ mw: 120.21**PROP:** Mp: -25.4°, bp: 176.1°, d: 0.894, refr index: 1.5139, vap d: 4.15, flash p: 119° F, autoign temp: 878° F.**SYNS:** HEMIMELLITENE □ TRIMETHYL BENZENE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:5000 mg/kg AMIHAB 19,403,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 25 ppm**ACGIH TLV:** TWA 25 ppm**DFG MAK:** 20 ppm**SAFETY PROFILE:** Mildly toxic by ingestion. Flammable liquid when exposed to heat, sparks, or flame. To fight fire, use water spray, mist, dry chemical, CO₂, foam. When heated to decomposition it emits acrid smoke and irritating fumes.**TLL750 CAS: 95-63-6 HR: 3**
1,2,4-TRIMETHYL BENZENEmf: C₉H₁₂ mw: 120.21**PROP:** A liquid. Mp: -44°, d: 0.888 @ 4°, fp: -61°, bp: 168.89°, flash p: 130°F, autoign temp: 959°F. Insol in water; sol in alc, benzene, and ether.**SYNS:** ASYMMETRICAL TRIMETHYL BENZENE □ psicUMENE □ PSEUDOCUMENE □ PSEUDOCUMOL □ as-TRIMETHYL BENZENE □ 1,2,5-TRIMETHYL BENZENE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:5 g/kg 85JCAE -,34,86

ihl-rat LC50:18 g/m³/4H GISAAA 44(5),15,79

ipr-rat LDLo:1752 mg/kg MEIEDD 10,1141,83

ipr-gpg LDLo:1788 mg/kg AMIHBC 9,227,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Community Right-To-Know List.**OSHA PEL:** TWA 25 ppm**ACGIH TLV:** TWA 25 ppm**DFG MAK:** 20 ppm**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mildly toxic by inhalation. Can cause central nervous system depression, anemia, bronchitis. Flammable liquid when exposed to heat, sparks, or flame. To fight fire, use foam, alcohol foam, mist. Emitted from modern building materials (CENEAR 69,22,91). When heated to decomposition it emits acrid smoke and irritating fumes.**TLM000 HR: 2**
1,2,4-TRIMETHYL BENZENE mixed with**MESITYLENE (5:3)****SYN:** FLEET-X-DV-99**TOXICITY DATA with REFERENCE:**

ihl-man TClO:10 ppm:CNS ZEPRAN 1,389,56

ipr-rat LD50:1500 mg/kg ZEPRAN 1,389,56

OSHA PEL: TWA 25 ppm**ACGIH TLV:** TWA 25 ppm**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Human systemic effects by inhalation: central nervous system effects. When heated to decomposition it emits acrid smoke and irritating fumes. See also 1,2,4-TRIMETHYL BENZENE.**TLM050 CAS: 108-67-8 HR: 3**
1,3,5-TRIMETHYL BENZENE**DOT:** UN 2325mf: C₉H₁₂ mw: 120.21**PROP:** A liquid; peculiar odor. Mp: -44.8°, d: 0.8637 @ 20°/4°, bp: 164.7°, autoign temp: 1022°F. Insol in water; misc in alc, benzene, and ether.**SYNS:** BENZENE, 1,3,5-TRIMETHYL- □ FLEET-X □ MESITYLENE □ TMB □ TRIMETHYL BENZENE (ACGIH) □ sym-TRIMETHYLBENZENE □ TRIMETHYL BENZOL**TOXICITY DATA with REFERENCE:**

skn-rbt 20 mg/24H MOD 85JCAE -,34,86

eye-rbt 500 mg/24H MLD 85JCAE -,34,86 HEREAY 33,457,47

ihl-hmn TClO:10 ppm:CNS,PNS,PUL ZUBEAQ 49,265,56

ihl-rat LC50:24 mg/m³/4H GISAAA 44(5),15,79

ipr-gpg LDLo:1303 mg/kg AMIHBC 9,227,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 25 ppm**ACGIH TLV:** TWA 25 ppm**DFG MAK:** 20 ppm**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by intraperitoneal route. Human systemic effects by inhalation: sensory changes involving peripheral nerves, somnolence (general depressed activity), and structural or functional change in trachea or bronchi. Reports of leukopenia and thrombocytopenia in experimental animals. A mild skin and eye irritant. A flammable liquid when exposed to heat or flame; can react vigorously with oxidizing materials. Violent reaction with HNO₃. To fight fire, use water spray, fog, foam, CO₂. Emitted from modern building materials (CENEAR 69,22,91). When heated to decomposition it emits acrid smoke and irritating fumes.**TLM100 CAS: 122-08-7 HR: 3**
N,N,N-TRIMETHYLBENZENEMETHANAMINIUM METHOXIDEmf: C₁₀H₁₆N⁺CH₃O mw: 181.31**SYNS:** AMMONIUM, BENZYLTRIMETHYL-, METHOXIDE □ BENZENEMETHANAMINIUM, N,N,N-TRIMETHYL-, METHOXIDE (9CI) □ BENZYLTRIMETHYLAMMONIUM METHOXIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:5600 µg/kg CSLNX* NX#03547

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLM250 CAS: 56287-19-5 HR: D
TRIMETHYL-N-(p-BENZENESULPHONAMIDO)-PHOSPHORIMIDATE

mf: C₉H₁₅N₂O₅PS mw: 294.23

TOXICITY DATA with REFERENCE:

mno-sat 5 µL/plate MUREAV 28,405,75

slr-dmg-orl 20 mmol/L MUREAV 28,405,75

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.

TLM500 CAS: 16757-92-9 HR: 2
1,3,6-TRIMETHYLBENZO(a)PYRENE

mf: C₂₃H₁₈ mw: 294.41

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

TLM750 CAS: 593-91-9 HR: 3
TRIMETHYL BISMUTH

mf: C₃H₉Bi mw: 254.06

PROP: A liquid. Bp: 110°, mp: -86°, d: 2.300 @ 18°.

SYN: TRIMETHYLBISMUTHINE

TOXICITY DATA with REFERENCE:

orl-dog LDLo:233 mg/kg JPETAB 67,17,39

ihl-dog LDLo:233 mg/kg JPETAB 67,17,39

skn-dog LDLo:233 mg/kg JPETAB 67,17,39

scu-dog LD50:182 mg/kg JPETAB 67,17,39

ivn-dog LD50:12 mg/kg JPETAB 67,17,39

orl-rbt LD50:484 mg/kg JPETAB 67,17,39

scu-rbt LD50:182 mg/kg JPETAB 67,17,39

ivn-rbt LDLo:11 mg/kg JPETAB 67,17,39

ivn-pgn LDLo:6 mg/kg JPETAB 67,17,39

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, intravenous, and subcutaneous routes. Can cause narcosis and central nervous system depression. Prolonged exposure can cause encephalopathy similar to that of organic lead compounds. Flammable when exposed to heat or flame; can react with oxidizing materials. Spontaneously flammable in air. Explodes at 110°C. Upon decomposition it emits toxic fumes of Bi. See also BISMUTH COMPOUNDS.

TLM775 CAS: 593-90-8 HR: 3
TRIMETHYLBORANE

mf: C₃H₉B mw: 55.91
 (CH₃)₃B

PROP: A gas. Mp: -161.5°, bp: -20.2°.

SAFETY PROFILE: The gas ignites spontaneously in air or when mixed with chlorine. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORANES and BORON COMPOUNDS.

TLN000 CAS: 121-43-7 HR: 3
TRIMETHYL BORATE

DOT: UN 2416

mf: C₃H₉BO₃ mw: 103.93

PROP: Colorless, moisture-sensitive liquid; fumes in air. Decomp in water; misc in alc, ether. Mp: -29°, bp: 68°, flash p: <73°F, d: 0.92 @ 20°, vap d: 3.59. Sol in polar non-hydroxylic solvs.

SYNS: BORESTER O □ METHYL BORATE □

TRIMETHOXYBORINE □ TRIMETHYLESTER KYSELIN
 BORITE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg AJOPAA 29,1363,46

orl-rat LD50:6140 mg/kg 14KTAK -,693,64

ipr-rat LDLo:1600 mg/kg 14KTAK -,693,64

orl-mus LD50:1290 mg/kg 14KTAK -,693,64

ipr-mus LDLo:1000 mg/kg 14KTAK -,693,64

skn-rbt LD50:1980 mg/kg AIHAAP 23,95,62

ipr-rbt LDLo:1600 mg/kg 14KTAK -,693,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, and intraperitoneal routes. An eye irritant. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Moderately explosive when exposed to flame. Will react with water or steam to produce toxic and flammable vapors. To fight fire, use dry chemical, CO₂, spray, foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and BORON COMPOUNDS.

TLN100 CAS: 5314-85-2 HR: 2
2,4,6-TRIMETHYLBORAZINE

mf: C₃H₁₂B₃N₃ mw: 122.58



PROP: Solid with unpleasant odor. High thermal stability; very slowly hydrolyzed by H₂O. Mp: 29-31°, bp: 129°. Sol in most org solvs; very slowly hydrolyzed by H₂O.

SYN: B-TRIMETHYLBORAZINE

SAFETY PROFILE: Violent reaction with nitryl chloride. When heated to decomposition it emits toxic fumes of NO_x. See also BORON COMPOUNDS and BORAZINE.

TLN133 CAS: 18024-11-8 HR: D
1,4,9-TRIMETHYLCARBAZOLE

mf: C₁₅H₁₅N mw: 209.31

SYNS: 9H-CARBAZOLE, 1,4,9-TRIMETHYL- □ CARBAZOLE, 1,4,9-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 20 µL/g/plate MUREAV 389,247,1997

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

TLN150 CAS: 87-76-3 HR: 3
TRIMETHYLCETYLAMMONIUM PENTA-CHLOROPHENATE

mf: C₁₉H₄₂N•C₆HCl₅O mw: 550.94

SYN: HEXADECYLTRIMETHYLAMMONIUM PENTACHLOROPHENOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:790 mg/kg NIIRDN 6,529,82
 ipr-rat LD50:58 mg/kg NIIRDN 6,529,82
 scu-rat LD50:4130 mg/kg NIIRDN 6,529,82
 orl-mus LD50:594 mg/kg NIIRDN 6,529,82
 ipr-mus LD50:21 mg/kg NIIRDN 6,529,82
 scu-mus LD50:800 mg/kg NIIRDN 6,529,82

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of Cl^- , NH_3 , and NO_x . See also CHLOROPHENOLS.

TLN250 CAS: 75-77-4 HR: 3

TRIMETHYL CHLOROSILANE

DOT: UN 1298

mf: $\text{C}_3\text{H}_9\text{ClSi}$ mw: 108.66

PROP: Colorless liquid. Bp: 57° , mp: -40° , d: 0.854 @ $25^\circ/25^\circ$, flash p: -18°F . Sol in benzene, ether, perchloroethylene.

SYNS: CHLOROTRIMETHYLSILANE □ SILANE, TRIMETHYLCHLORO- □ SILICANE, CHLOROTRIMETHYL- □ TL 1163 □ TRIMETHYLCHLOROSILANE (DOT)

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/plate ENMUDM 8(Suppl 7),1,86
 mma-sat 1666 $\mu\text{g}/\text{plate}$ ENMUDM 8(Suppl 7),1,86
 orl-rat LD50:5660 $\mu\text{L}/\text{kg}$ JACTDZ 12,574,93
 skn-rbt LD50:1780 $\mu\text{L}/\text{kg}$ JACTDZ 12,574,93
 ihl-mus LCLo:500 $\text{mg}/\text{m}^3/10\text{M}$ NDRC** No. 9-4-1-19,44
 ipr-mus LDLo:750 mg/kg StoGD# 27May75

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Corrosive; DOT Class: 4.3; Label: Dangerous When Wet, Flammable Liquid

SAFETY PROFILE: Poison by ingestion and skin contact. Moderately toxic by inhalation and intraperitoneal routes. A corrosive irritant to skin, eyes, and mucous membranes. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. A flammable liquid and very dangerous fire hazard when exposed to heat or flame. Violent reaction with water or hexafluoroisopropylideneamino lithium. A preparative hazard. To fight fire, use foam, alcohol foam, fog. When heated to decomposition it emits toxic fumes of Cl^- . An intermediate in the production of silicones. See also CHLOROSILANES.

TLN500 CAS: 24815-24-5 HR: 3

3,4,5-TRIMETHYLCINNAMOYL METHYL RESERPATE

mf: $\text{C}_{35}\text{H}_{42}\text{N}_2\text{O}_9$ mw: 634.79

SYNS: ANAPRAL □ ANAPREL □ CINAMINE □ CINATABS □ METHYL RESERPATE 3,4,5-TRIMETHOXYCINNAMIC ACID ESTER □ METHYL-18-o-(3,4,5-TRIMETHOXYCINNAMOYL RESERPATE □ MODERIL □ NORMORESCINA □ RAUPYROL □ RAURESCINE □ RECINNAMINE □ RECITENSINA □ RESCALOID □ RESCAMIN □ RESCIDAN □ RESCIN □ RESCINNAMINE □ RESCINPAL □ RESCINSAN □ RESCITEN □ RESERPINENE □ RESIPAL □ RESKINNAMIN □ SCINNAMINA □ TENAMINE □ TRIMETHOXYCINNAMOYL METHYL

RESERPATE □ 3,4,5-TRIMETHYLCINNAMIC ACID, ESTER with METHYL RESERPATE □ TUAREG

TOXICITY DATA with REFERENCE:

orl-dog TDLo:32 $\mu\text{g}/\text{kg}$ (male 1D pre):REP NYKZAU 80,239,82
 orl-hmn TDLo:4 $\mu\text{g}/\text{kg}/\text{D}$:NOSE,CNS 34ZIAG -,517,69
 orl-rat LD50:1000 mg/kg NIIRDN 6,898,82
 ipr-rat LD50:250 mg/kg NIIRDN 6,898,82
 scu-rat LD50:540 mg/kg NIIRDN 6,898,82
 orl-mus LD50:1420 mg/kg 27ZQAG -,109,72
 ipr-mus LD50:505 mg/kg NIIRDN 6,898,82
 scu-mus LD50:440 mg/kg NIIRDN 6,898,82
 ivn-mus LD50:56 mg/kg CSLNX* NX#00965
 ivn-gpg LDLo:35 mg/kg ARZNAD 23,600,73

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and subcutaneous routes. Human systemic effects by ingestion: olfactory changes, somnolence, and antipsychotic effects. Experimental reproductive effects. When heated to decomposition it emits toxic NO_x .

TLN750 CAS: 3482-37-9 HR: 3

TRIMETHYLCOLCHICINIC ACID

mf: $\text{C}_{19}\text{H}_{21}\text{NO}_5$ mw: 343.41

PROP: Crystals from EtOH (aq). Mp: 155° .

SYNS: (s)-7-AMINO-6,7-DIHYDRO-10-HYDROXY-1,2,3-TRIMETHOXYBENZO(a)HEPTALEN-9(5H)-ONE □ DEACETYLCHOLCHICEINE □ N-DEACETYLCHOLCHICEINE □ DESACETYLCHOLCHICEINE □ TMCA

TOXICITY DATA with REFERENCE:

oms-mus-par 200 mg/kg CANCAR 3,134,50
 spm-mus-par 200 mg/kg CANCAR 2,134,50
 ipr-mus LD50:200 mg/kg CANCAR 3,124,50

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also COLCHICINE.

TLO000 CAS: 3476-50-4 HR: 3

TRIMETHYLCOLCHICINIC ACID METHYL ETHER

mf: $\text{C}_{20}\text{H}_{23}\text{NO}_5$ mw: 357.44

SYNS: (s)-7-AMINO-6,7-DIHYDRO-1,2,3,10-TETRAMETHOXY-BENZO(a)HEPTALEN-9(5H)-ONE □ COLCHINIC ACID TRIMETHYL □ DEACETYLCHOLCHICINE □ N-DEACETYLCHOLCHICINE □ DESACETYLCHOLCHICINE □ N-DEACETYLCHOLCHICINE □ TMCA METHYL ETHER □ TRIMETHYLCOLCHICINSAEUREMETHYL ESTER (GERMAN)

TOXICITY DATA with REFERENCE:

oms-mus-par 46 mg/kg CANCAR 3,134,50
 spm-mus-par 46 mg/kg CANCAR 3,134,50
 ipr-mus LD50:46 mg/kg MDREP* No. 204,49
 ims-mus LD50:49 mg/kg JMCMAR 24,257,81

SAFETY PROFILE: Poison by intraperitoneal and intramuscular routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also COLCHICINE and ETHERS.

TLO250 CAS: 1845-38-1 HR: 1

3,3,5-TRIMETHYLCYCLOHEXANECARBOX-ALDEHYDE

mf: $\text{C}_{10}\text{H}_{18}\text{O}$ mw: 154.28

TOXICITY DATA with REFERENCE:

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

eye-rbt 500 mg AMIHBC 10,61,54

orl-rat LD50:4140 mg/kg AMIHBC 10,61,54

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

TLO500 CAS: 116-02-9 HR: 2

3,5,5-TRIMETHYLCYCLOHEXANOL

mf: C₉H₁₈O mw: 142.27

PROP: Liquid. Fp: 37.0°, bp: 198°, flash p: 190°F (OC), d: 0.878 @ 40°/20°, vap press: 0.1 mm @ 20°, vap d: 4.91.

SYNS: CYCLONOL □ DIHYDROISOPHOROL □ HOMOMENTHOL □ 3,3,5-TRIMETHYLCYCLOHEXANOL □ 3,3,5-TRIMETHYL-1-CYCLOHEXANOL

TOXICITY DATA with REFERENCE:

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

eye-rbt 675 µg SEV AJOPAA 29,1363,46

orl-rat LD50:3250 mg/kg JIHTAB 31,60,49

skn-rbt LD50:2800 mg/kg JIHTAB 31,60,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Combustible when exposed to heat, flame, or oxidizers. Can react with oxidizing materials. To fight fire, use alcohol, foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

TLO510 CAS: 933-48-2 HR: 2

cis-3,3,5-TRIMETHYLCYCLOHEXANOL

mf: C₉H₁₈O mw: 142.27

SYN: CYCLOHEXANOL, 3,3,5-TRIMETHYL-, cis-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2400 mg/kg GWXXAW #2757641

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLO530 CAS: 68480-17-1 HR: 1

1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-3-PENTANONE

mf: C₁₄H₂₄O mw: 208.38

SYNS: DIHYDROMETHYL-α-IONONE □ 3-PENTANONE, 1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTXAV 17,527,79

skn-rbt LD50:>5 g/kg FCTXAV 17,527,79

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.

TLO600 CAS: 73987-16-3 HR: 2

3,3,5-TRIMETHYLCYCLOHEXYL DIPROPYLENE GLYCOL

mf: C₁₅H₃₀O₃ mw: 258.45

SYNS: DIPROPYLENE GLYCOL, 3,3,5-TRIMETHYLCYCLOHEXYL ETHER □ 2-PROPANOL, 1-(2-((3,3,5-TRIMETHYLCYCLOHEXYL)OXY)PROPOXY)-(9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV JPETAB 82,377,44

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

TLP000 CAS: 5831-11-8 HR: 2

11,12-17-TRIMETHYL-15H-CYCLOPENTA(a)-PHENANTHRENE

mf: C₂₀H₁₈ mw: 258.38

TOXICITY DATA with REFERENCE:

mma-sat 20 µg/plate CNREA8 36,4525,76

skn-mus TDLo:108 mg/kg/1Y-I:CAR PEXTAR 11,69,69

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

TLP250 CAS: 63041-23-6 HR: 2

3,8,13-TRIMETHYLCYCLOQUINAZOLINE

mf: C₂₄H₁₈N₄ mw: 362.46

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

TLP275 CAS: 21107-27-7 HR: 3

TRIMETHYLDIBORANE

mf: C₃H₁₂B₂ mw: 69.75

(CH₃)₂B:H₂BHCH₃

PROP: Air- and moisture-sensitive gas, readily disproportionates to trimethylborane and other methylidiboranes.

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

TLP300 CAS: 314238-30-7 HR: 3

1,7,7-TRIMETHYL-α-(3-(DIETHYLAMINO)-2-HYDROXYPROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE

mf: C₁₇H₃₂N₂O₂ mw: 296.45

TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

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

TLP500 CAS: 147-47-7 HR: 2

2,2,4-TRIMETHYL-1,2-DIHYDROQUINOLINE

mf: C₁₂H₁₅N mw: 173.28

PROP: A solid or liquid. Mp: 26–27°, bp: 255–260° @ 743 mm.

SYNS: ACETONANIL □ ACETONANYL □ ACETONE ANIL □ AGERITE RESIN D □ 1,2-DIHYDRO-2,2,4-TRIMETHYL-QUINOLINE □ FLECTOL A □ FLECTOL H □ FLECTOL PASTILLES □ NCI-C60902 □ 2,2,4-TRIMETHYL-1,2-

DIHYDROCHINOLIN □ TRIMETHYL-1,2-DIHYDROQUINOL-
INE □ VULKANOX HS/LG □ VULKANOX HS/POWDER

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg HYSAAV 31,183,66

orl-mus LD50:1450 mg/kg HYSAAV 31,183,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLP750 CAS: 127-48-0 HR: 3
3,3,5-TRIMETHYL-2,4-DIKETOXAZOLIDINE
mf: C₆H₉NO₃ mw: 143.16

PROP: Crystals from MeOH (aq) with slight camphor-like odor. Mp: 46.5°, bp: 78–80° @ 5 mm. Sltly sol in H₂O.

SYNS: A 2297 □ ABSENTOL □ ABSETIL □ CONVENIXA □ EDION □ EPIDIONE □ EPIDONE □ ETYDION □ MINOALEUIATIN □ PETIDION □ PETIDON □ PETILEP □ PITMAL □ TIOXANONA □ TREDIONE □ TRICIONE □ TRIDILONA □ TRIDIONE □ TRIDONE □ TRILIDONA □ TRIMEDAL □ TRIMEDONE □ TRIMETADIONE □ TRIMETHADIONE □ TRIMETHIN □ 3,5,5-TRIMETHYL-2,4-OXAZOLIDINEDIONE □ TRIMETIN □ TRIOZANONA □ TROMEDONE □ TROXIDONE

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:6480 mg/kg (1-39W preg):TER AJDCAI 129,1229,75

unr-man LDLo:88 mg/kg 85DCAI 2,73,70

orl-rat LD50:2140 mg/kg JPETAB 138,224,62

scu-rat LD50:2000 mg/kg 27ZQAG -,312,72

orl-mus LD50:2100 mg/kg ARZNAD 23,377,73

ipr-mus LD50:2 g/kg JPETAB 134,60,61

ivn-mus LD50:2000 mg/kg JLCMAK 31,1330,46

ipr-cat LDLo:2000 mg/kg JLCMAK 31,1330,46

SAFETY PROFILE: Human poison by unspecified routes. Moderately toxic experimentally by ingestion, subcutaneous, intraperitoneal, and intravenous routes. An experimental teratogen. Human reproductive effects by ingestion: effects on newborn, including physical and other postnatal measures or effects. Human teratogenic effects by ingestion: developmental abnormalities of the craniofacial, musculoskeletal, cardiovascular, and urogenital systems. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x. See also KETONES.

TLP800 CAS: 316172-59-5 HR: 3
1,7,7-TRIMETHYL-*o*-(3-(2,6-DIMETHYL-4-MORPHOLINYL)-2-HYDROXYPROPYL)-OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE

mf: C₁₉H₃₄N₂O₃ mw: 338.49

TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

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

TLPQ000 CAS: 363-42-8 HR: 3
TRIMETHYL(2-(2,6-DIMETHYLPHENOXY)PROP-

YL)AMMONIUM CHLORIDE MONOHYDRATE

mf: C₁₄H₂₄NO•Cl•H₂O mw: 275.86

SYNS: COMPOUND 6890 □ (2-(2,6-DIMETHYLPHENOXY)-PROPYL)TRIMETHYLAMMONIUM CHLORIDE MONOHYDRATE □ 2-(2,6-DIMETHYLPHENOXY)-N,N,N-TRIMETHYL-1-PROPANAMINIUM HYDRATE □ β-TM10

TOXICITY DATA with REFERENCE:

orl-mus LDLo:1400 mg/kg JPETAB 129,17,60

ivn-mus LD50:6620 µg/kg JPETAB 129,17,60

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl⁻.

TLPQ250 CAS: 5786-77-6 HR: 3
N-D1-TRIMETHYL-3,3-DI-2-THIENYLALLYLAMINE HYDROCHLORIDE

mf: C₁₄H₁₇NS₂•ClH mw: 299.90

SYNS: N,N-DIMETHYL-4,4-DI-2-THIENYL-3-BUTEN-2-AMINE HYDROCHLORIDE □ DIMETHYLTHIAMBUTENE HYDROCHLORIDE □ 3,3-DI-2-THIENYL-N,N,1-TRIMETHYL-ALLYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LD50:170 mg/kg BJPCAL 8,2,53

orl-mus LD50:199 mg/kg JPETAB 107,385,53

scu-mus LD50:100 mg/kg BJPCAL 8,2,53

ivn-mus LD50:16 mg/kg BJPCAL 8,2,53

ivn-dog LD50:23 mg/kg CPBTAL 7,372,59

SAFETY PROFILE: Poison by ingestion, intravenous, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and HCl. See also ALLYL COMPOUNDS and AMINES.

TLPQ100 CAS: 316172-58-4 HR: 3
1,7,7-TRIMETHYL-*o*-(3-(3,5-DIMETHYL-1-PIPERIDINYL)-2-HYDROXYPROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE

mf: C₂₀H₃₆N₂O₂ mw: 336.52

TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

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

TLPQ500 CAS: 56-97-3 HR: 3
1,1'-TRIMETHYLENEBIS(4-FORMYLPYRIDIN-*ium* BROMIDE)DIOXIME

mf: C₁₅H₁₈N₄O₂•2Br mw: 446.19

SYNS: 1,3-BIS(4-FORMYLPYRIDINIUM)-PROPANE BISOXIDE DIBROMIDE □ DIPYROXIME □ 1,3-PROPAN-BIS-(4-HYDROXY-IMINOMETHYL-PYRIDINIUM-(1))-DIBROMIDS (GERMAN) □ 1,1'-(1,3-PROPANEDIYL)BIS(4-(HYDROXYIMINO)METHYLPYRIDINIUM) DIBROMIDE □ TMB-4 DIBROMIDE □ TMV-4 □ 1,3-TRIMETHYLENE-BIS-(4-HYDROXIMINOFORMYLPYRIDINIUM)DIBROMID (GERMAN) □ N,N-TRIMETHYLENE-BIS-(PYRIDINIUM-4-ALDOXIM)-DIBROMID (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:192 mg/kg RPTOAN 38(4),168,75

ivn-rat LD50:89 mg/kg JPETAB 129,31,60

ims-rat LD50:123 mg/kg JPETAB 129,31,60

ipr-mus LD50:53,500 µg/kg RPTOAN 38(4),168,75

scu-mus LD50:83 mg/kg RPTOAN 35(5),243,72

ivn-mus LD50:45 mg/kg ARZNAD 14,870,64

ims-mus LD50:102 mg/kg ARZNAD 14(1),5,64

ims-cat LD50:117 mg/kg RPTOAN 38(4),168,75

ivn-rbt LD50:44 mg/kg AEHLAU 5,21,62

SAFETY PROFILE: Poison by intraperitoneal, intramuscular, subcutaneous, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻. Used as an antidote for organophosphate poisoning. See also BROMIDES.

TLQ750 CAS: 3613-82-9 HR: 3
**1,1'-TRIMETHYLENEBIS(4-FORMYLPYRIDIN-
 IUM CHLORIDE) DIOXIME**

mf: C₁₅H₁₈N₄O₂•2Cl mw: 357.27

SYNS: 1,3-BIS(4-FORMYLPYRIDINIUM)-PROPANE BISOXIME DICHLORIDE □ 1,3-BIS(4-HYDROXYIMINOMETHYL-1-PYRIDINIO)PROPANE DICHLORIDE □ 1,1'-(1,3-PROPANEDIYL)BIS((4-HYDROXYIMINO)METHYL)-PYRIDINIUM DICHLORIDE □ TMB-4 DICHLORIDE □ TRIMEDOXIME DICHLORIDE □ 1,1'-TRIMETHYLENEBIS(4-FORMYLPYRIDINIUM) DIOXIME DICHLORIDE □ 1,1'-TRIMETHYLENEBIS(4-(HYDROXYIMINOMETHYL)PYRIDINIUM CHLORIDE) □ N,N-TRIMETHYLENE BIS(PYRIDINIUM-4-ALDOXIME)DICHLORIDE

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:45 mg/kg;CVS AEHLAU 15,599,67

ivn-hmn TDLo:30 mg/kg;CVS AEHLAU 15,599,67

ipr-mus LD50:88 mg/kg TXAPA9 16,194,70

ivn-mus LD50:56 mg/kg CSLNX* NX#00647

ivn-rbt LD50:44 mg/kg JPETAB 132,50,61

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Human systemic effects by ingestion and intravenous routes: blood pressure decrease. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

TLR000 CAS: 109-64-8 HR: 2
TRIMETHYLENE DIBROMIDE

mf: C₃H₆Br₂ mw: 201.91

PROP: Colorless liquid. Bp: 166.5°, fp: -33°, d: 1.977 @ 25°/25°, vap d: 7.0, mp: -36°. Sltly sol in water; sol in alc, ether.

SYNS: α,γ-DIBROMOPROPANE □ ω,ω'-DIBROMOPROPANE □ 1,3-DIBROMOPROPANE □ TRIMETHYLENE BROMIDE

TOXICITY DATA with REFERENCE:

mno-sat 10 μmol/plate ENMUDM 2,59,80

mma-sat 10 μmol/plate ENMUDM 2,59,80

ipr-mus LD50:473 mg/kg JPCEAO 320,133,78

rec-rbt LDLo:1000 mg/kg JPETAB 34,223,28

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

SAFETY PROFILE: Moderately toxic by intraperitoneal and rectal routes. Mutation data reported. Irritating and narcotic in high concentration. When heated to decomposition it emits toxic fumes of Br⁻. Used as an herbicide. See also BROMIDES.

TLR050 CAS: 627-31-6 HR: D
TRIMETHYLENE DIODIDE

mf: C₃H₆I₂ mw: 295.89

SYNS: 1,3-DIIODOPROPANE □ PROPANE, 1,3-DIODO-

TOXICITY DATA with REFERENCE:

mno-sat 10 μmol/plate MUREAV 141,11,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLR250 CAS: 15886-84-7 HR: 2
TRIMETHYLENEDIMETHANESULFONATE

mf: C₅H₁₂O₆S₂ mw: 232.29

SYNS: 1:3-DIMETHANESULFONOXYPROPANE □ 1,3-DIMETHANESULPHONOXYPROPANE □ ENT 51,904 □ PROPANE-1,3-DIMETHANESULFONATE □ PROPYLENE DIMETHANESULFONATE □ TRIMETHYLENE DIMETHANESULPHONATE

TOXICITY DATA with REFERENCE:

cyt-oin-par 20 μg AESAAI 63,422,70

dlt-oin-par 2000 ppm MUREAV 13,49,71

ipr-mus LD50:500 mg/kg PSEBAA 85,211,54

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x.

TLR500 CAS: 544-13-8 HR: 3
1,3-TRIMETHYLENEDINITRILE

mf: C₅H₆N₂ mw: 94.13

PROP: Colorless liquid. D: 0.989 @ 15°/4°, mp: -29°, bp: 144-147° @ 13 mm. Sol in water; insol in ether.

SYNS: 1,3-DICYANOPROPANE □ GLUTARIC ACID DINITRILE □ GLUTARODINITRILE □ GLUTARONITRILE □ PENTANEDINITRILE □ PYROTARTARIC ACID NITRILE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2670 mg/kg ARTODN 57,88,85

scu-dog LDLo:50 mg/kg AIPTAK 3,77,1897

scu-frg LDLo:3000 mg/kg AIPTAK 3,77,1897

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

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

TLR675 CAS: 2825-82-3 HR: 3
exo-TRIMETHYLENENORBORNANE

mf: C₁₀H₁₆ mw: 136.26

SYNS: exo-HEXAHYDRO-4,7-METHANOINDAN □ JP-10 □ exo-TETRAHYDROBICYCLOPENTADIENE □ exo-TETRAHYDRO-DI(CYCLOPENTADIENE) □ exo-TRICYCLO(5.2.1.0^{2,6})DECANE □ exo-5,6-TRIMETHYLENENORBORNANE

TOXICITY DATA with REFERENCE:

cyt-ham:ovr 1 mg/L NTIS** AD-A124-785

orl-mus LD50:3660 mg/kg NTIS** AD-A086-341

ihl-mus LCLo:900 ppm/4H DCTODJ 6,181,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. An experimental teratogen. Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. Used as a major

component of cruise missile fuel. When heated to decomposition it emits acrid smoke and irritating fumes.

TLR750 CAS: 1073-05-8 HR: D
TRIMETHYLENE SULFATE

mf: C₃H₆O₄S mw: 138.15

PROP: A solid. Mp: 60°.

SYNS: 1,3,2-DIOXATHIANE-2,2-DIOXIDE (9CI) □ 1,3-PROPYLENE SULFATE

TOXICITY DATA with REFERENCE:

dnr-omi 690 µg/plate BIZNAT 95,463,76

mno-sat 100 nmol/plate CBINA8 19,241,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x. See also SULFATES.

TLS000 CAS: 2055-46-1 HR: 2
N,N'-TRIMETHYLENETHIOUREA

mf: C₄H₈N₂S mw: 116.20

PROP: Crystals from EtOH. Mp: 211–211.5°.

SYN: TETRAHYDRO-2(1H)-PYRIMIDINETHIONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:560 mg/kg JMCMA8 11,214,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLS500 CAS: 291-21-4 HR: 3
TRIMETHYLENE TRISULFIDE

mf: C₃H₆S₃ mw: 138.27

PROP: Needles from AcOH. Mp: 220°.

SYNS: THIOFORM (CZECH) □ TRIMETHYLENTRISULFID (CZECH) □ 1,3,5-TRITHIACYCLOHEXANE □ sym-TRITHIAN (CZECH) □ 1,3,5-TRITHIANE □ TRITHIOFORMALDEHYDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,204,72

eye-rbt 500 mg/24H MOD 28ZPAK -,204,72

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. An eye and skin irritant. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES and ALDEHYDES.

TLS600 CAS: 96563-06-3 HR: D
2,3,9-TRIMETHYLFLUORENE

mf: C₁₆H₁₆ mw: 208.32

SYN: 9H-FLUORENE, 2,3,9-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 100 µLg/plate CBINA8 52,301,1985

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

TLT000 CAS: 1445-79-0 HR: 3
TRIMETHYLGALLIUM

mf: C₃H₉Ga mw: 114.80

PROP: A liquid. Mp: −15.9°, bp: 55.7°.

SAFETY PROFILE: Ignites spontaneously in air.

Reacts violently with water. When heated to decomposition it emits acrid smoke and irritating fumes. See also GALLIUM.

TLT100 CAS: 20519-92-0 HR: 3
TRIMETHYLGERMYL PHOSPHINE

mf: C₃H₁₁GeP mw: 150.68

(CH₃)₃GePH₂

PROP: A liquid. Mp: −97.2°, bp: 95.8°.

SAFETY PROFILE: Ignites on contact with oxygen. When heated to decomposition it emits toxic fumes of PO_x. See also GERMANIUM COMPOUNDS and PHOSPHINE.

TLT150 CAS: 314238-35-2 HR: 3
1,7,7-TRIMETHYL-6-(3-(HEXAHYDRO-1H-AZEPIN-1-YL)-2-HYDROXYPROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE

mf: C₁₉H₃₄N₂O₂ mw: 322.49

TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

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

TLT200 CAS: 3522-94-9 HR: 1
2,2,5-TRIMETHYLHEXANE

mf: C₉H₂₀ mw: 128.29

SYN: HEXANE, 2,2,5-TRIMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat TDLo:10 g/kg/4W-I TXCYAC 1(3),67,85

ACGIH TLV: TWA 200 ppm

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

TLT250 CAS: 28472-18-6 HR: 2
TRIMETHYLHEXANEDIOIC ACID

mf: C₉H₁₆O₄ mw: 188.25

SYNS: HEXANEDIOIC ACID, TRIMETHYL- □ TRIMETHYLADIPIC ACID

TOXICITY DATA with REFERENCE:

eye-rbt 750 µg SEV AJOPAA 29,1363,1946

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

TLT300 CAS: 65606-61-3 HR: 2
3,5,5-TRIMETHYLHEXANOYL FERROCENE

mf: C₁₉H₂₆FeO mw: 326.30

SYNS: FERROCENE, (3,5,5-TRIMETHYL-1-OXOHXYL)- □ (3,5,5-TRIMETHYL-1-OXOHXYL)FERROCENE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:8260 mg/kg USXXAM #4118509

orl-mus LDLo:2950 mg/kg USXXAM #4118509

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

TLT500 CAS: 58430-94-7 HR: 1**3,5,5-TRIMETHYLHEXYL ACETATE**mf: $C_{11}H_{22}O_2$ mw: 186.33**PROP:** Bp: 209°.**SYNS:** ISONONYL ACETATE □ 3,5,5-TRIMETHYLHEXYL ACETIC ACID**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4250 mg/kg FCTXAV 12,1009,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.**TLT750 CAS: 60597-20-8 HR: 3****TRIMETHYLHYDRAZINE HYDROCHLORIDE**mf: $C_3H_{10}N_2 \cdot ClH$ mw: 110.61**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic data. When heated to decomposition it emits very toxic fumes of HCl and NO_x .**TLT755 CAS: 314238-31-8 HR: 3****1,7,7-TRIMETHYL-o-(2-HYDROXY-3-((1-METHYLETHYL)AMINO)PROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE**mf: $C_{16}H_{30}N_2O_2$ mw: 282.43**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x .**TLT757 CAS: 314238-34-1 HR: 3****1,7,7-TRIMETHYL-o-(2-HYDROXY-3-(4-MORPHOLINYL)PROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE**mf: $C_{17}H_{30}N_2O_3$ mw: 310.44**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x .**TLT760 CAS: 314238-33-0 HR: 3****1,7,7-TRIMETHYL-o-(2-HYDROXY-3-(1-PIPERIDINYL)PROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE**mf: $C_{18}H_{32}N_2O_2$ mw: 308.46**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:12.5 mg/kg FRMCE8 55,495,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x .**TLT763 CAS: 314238-32-9 HR: 3****1,7,7-TRIMETHYL-o-(2-HYDROXY-3-(1-PYRROLIDINYL)PROPYL)OXIME (1R,4R)-BICYCLO(2.2.1)HEPTAN-2-ONE**mf: $C_{17}H_{30}N_2O_2$ mw: 294.44**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:50 mg/kg FRMCE8 55,495,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x .**TLT768 CAS: 95896-78-9 HR: 2****3,4,8-TRIMETHYL-3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE**mf: $C_{12}H_{13}N_5$ mw: 227.27**SYNS:** 2-AMINO-3,4,8-TRIMETHYLMIDAZO(4,5-F)QUINOXALINE □ DIMELQX □ 3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE, 3,4,8-TRIMETHYL-**TOXICITY DATA with REFERENCE:**mic-sat 1 μL /plate MUREAV 178,25,1987add-hmn-mmr 500 $\mu mol/L$ CRNGDP 17,1769,1996mnt-hmn-lym 5 $\mu g/$ CRNGDP 20,545,1999

add-orl-rat 50 mg/kg CRNGDP 15,2553,1994

dns-rat-lvr 2500 nmol/L EMMUEG 12,53,1988

mor-mus-fbr 230 $\mu g/$ CRNGDP 20,545,1999dns-mus-lvr 250 $\mu mol/L$ EMMUEG 12,53,1988dns-ham-lvr 250 $\mu mol/L$ EMMUEG 12,53,1988

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data reported. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x .**TLT771 CAS: 92180-79-5 HR: D****3,7,8-TRIMETHYL-3H-IMIDAZO(4,5-f)QUINOXALIN-2-AMINE**mf: $C_{12}H_{13}N_5$ mw: 227.27**SYNS:** 2-AMINO-3,7,8-TRIMETHYLMIDAZO(4,5-f)QUINOXALINE □ 3H-IMIDAZO(4,5-f)QUINOXALIN-2-AMINE, 3,7,8-TRIMETHYL-**TOXICITY DATA with REFERENCE:**mic-sat 1 μL /plate MUREAV 178,25,1987add-hmn-mmr 500 $\mu mol/L$ CRNGDP 17,1769,1996

dns-rat-lvr 2500 nmol/L EMMUEG 12,53,1988

dns-mus-lvr 250 $\mu mol/L$ EMMUEG 12,53,1988dns-rat-lvr 25 $\mu mol/L$ EMMUEG 12,53,1988

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x .**TLT775 CAS: 3385-78-2 HR: 3****TRIMETHYL INDIUM**mf: C_3H_9In mw: 159.92 $(CH_3)_3In$ **PROP:** Air-sensitive crystals. Mp: 89–89.8°, bp: 135.8°. Sol in C_6H_6 .**SAFETY PROFILE:** Ignites spontaneously in air. When heated to decomposition it emits acrid smoke and irritating fumes. See also INDIUM.**TLT800 CAS: 22072-35-1 HR: D****2,3,6-TRIMETHYLINDOLE**mf: $C_{11}H_{13}N$ mw: 159.25**SYNS:** 1H-INDOLE, 2,3,6-TRIMETHYL- □ INDOLE, 2,3,6-TRIMETHYL-**TOXICITY DATA with REFERENCE:**mic-sat 1 $\mu mol/plate$ TXCYAC 23,1,1982**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x .**TLU000 CAS: 558-17-8 HR: 3****TRIMETHYLIODOMETHANE**mf: C_3H_9I mw: 172.02

PROP: Bp: 95–100°.**SYNS:** tert-BUTYL IODIDE □ 2-iodo-2-methylpropane**TOXICITY DATA with REFERENCE:**

dnr-esc 5 µL/16H CBINA8 15,219,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic fumes of I⁻. See also IODIDES.**TLU175 CAS: 1520-78-1 HR: 3
TRIMETHYL LEAD CHLORIDE**mf: C₃H₉ClPb mw: 287.76**PROP:** Powder or air-sensitive crystals from EtOAc. Mp: 190° (decomp).**SYNS:** CHLOROTRIMETHYLPLUMBANE □ TriML**TOXICITY DATA with REFERENCE:**

orl-rat LD50:80 mg/kg 85JCAE -,1258,86

ipr-rat LD50:26 mg/kg BJIMAG 18,277,61

orl-dck LD50:29,900 µg/kg 51UDAB 2,714,83

CONSENSUS REPORTS: Lead and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻ and Pb. See also LEAD COMPOUNDS.**TLU200 CAS: 118-12-7 HR: 3
1,3,3-TRIMETHYL-2-METHYLENEINDOLINE**mf: C₁₂H₁₃N mw: 173.28**SYNS:** INDOLINE, 2-METHYLENE-1,3,3-TRIMETHYL- □ 2-METHYLENE-1,3,3-TRIMETHYLINDOLINE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#07782

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**TLU500 CAS: 1498-88-0 HR: 3
1,3,3-TRIMETHYL-6'-NITROINDOLINE-2-SPIRO-2'-BENZOPYRAN**mf: C₁₉H₁₈N₂O₃ mw: 322.39**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#07770

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x.**TLU750 CAS: 3475-63-6 HR: 3
1,1,3-TRIMETHYL-3-NITROSOUREA**mf: C₄H₉N₃O₂ mw: 131.16**SYNS:** N-NITROSO-TRIMETHYLHARNSTOFF (GERMAN) □ NITROSOTRIMETHYLUREA □ N-NITROSOTRIMETHYLUREA □ TRIMETHYLNITROSOHARNSTOFF (GERMAN) □ N-TRIMETHYL-N-NITROSOUREA**TOXICITY DATA with REFERENCE:**

mmo-sat 7000 µmol/L/48H MUREAV 48,131,77

mma-sat 1 µg/plate MUREAV 51,319,78

orl-rat LD50:240 mg/kg ZEKBAI 69,103,67

ivn-rat LD50:240 mg/kg ZEKBAI 69,103,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Experimental teratogenic effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.**TLV000 CAS: 123-17-1 HR: 2
2,6,8-TRIMETHYLNONANOL-4**mf: C₁₂H₂₆O mw: 186.38**PROP:** Liquid. Bp: 225.2°, fp: -60°, flash p: 200°F (OC), vap press: <0.01 mm @ 20°, d: 0.8193 @ 20°/20°, vap d: 6.43.**SYN:** 2,6,8-TRIMETHYL-4-NONANOL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS** 6/28/72

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

orl-rat LD50:17 g/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. A skin and eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**TLV250 CAS: 1331-50-6 HR: 2
TRIMETHYL NONANONE**mf: C₁₂H₂₄O mw: 184.36**PROP:** Liquid. Mp: -75°, bp: 211–219°, flash p: 196°F (OC), d: 0.8165 @ 20°/20°, vap d: 6.37.**TOXICITY DATA with REFERENCE:**

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

skn-rbt 500 mg open MLD UCDS** 4/25/58

eye-rbt 500 mg open AMIHBC 4,119,51

orl-rat LD50:8470 mg/kg UCDS** 4/25/58

SAFETY PROFILE: Mildly toxic by ingestion. A skin and eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.**TLW000 CAS: 512-13-0 HR: 2
(-)-endo-1,3,3-TRIMETHYL-2-NORBORNANOL**mf: C₁₀H₁₈O mw: 154.28**PROP:** Crystals. D: 0.9641, mp: 48°, bp: 201°, flash p: 165° F.**SYNS:** α-FENCHOL □ endo-FENCHOL □ α-FENCHYL ALCOHOL □ (1R-endo)-1,3,3-TRIMETHYLBICYCLO(2.2.1)-HEPTAN-2-OL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 14,775,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLW250 CAS: 1195-79-5 HR: 2
1,3,3-TRIMETHYL-2-NORBORNANONE

mf: C₁₀H₁₆O mw: 152.26

PROP: A liquid. Fp: 5–6°.

SYNS: FENCHON (GERMAN) □ FENCHONE □ 1,3,3-TRIMETHYL-2-NORCAMPANONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD PCTXAV 14,769,76

scu-mus LDLo:2100 mg/kg AEXPBL 50,199,1903

scu-frg LDLo:650 mg/kg AEXPBL 50,199,1903

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous route. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

TLW500 CAS: 112-03-8 HR: 3
TRIMETHYLOCTADECYLAMMONIUM CHLORIDE

mf: C₂₁H₄₆N•Cl mw: 348.13

SYNS: ALIQUAT 7 □ ARQUAD 18 □ ARQUAD 18-50 □ CATION AB □ MONOSTEARYL TRIMETHYL AMMONIUM CHLORIDE □ NISSAN CATION AB □ OCTADECYLTRIMETHYLAMMONIUM CHLORIDE □ QUATERNIUM-10 □ STAC □ STEARYLTRIMETHYLAMMONIUM CHLORIDE □ TRIMETHYLSTEARYLAMMONIUM CHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:536 mg/kg ESKHA5 (103),37,85

skn-mus LD50:1600 mg/kg ESKHA5 (103),37,85

unr-mus LDLo:50 mg/kg ATMPA2 32,177,38

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl⁻.

TLW750 CAS: 1017-56-7 HR: 2
TRIMETHYLOLMELAMINE

mf: C₆H₁₂N₆O₃ mw: 216.24

SYNS: N,N',N"-TRIHYDROXYMETHYLMELAMINE □ N,N',N"-TRIS(HYDROXYMETHYL)-1,3,5-TRIAZINE-2,4,6-TRIAMINE

TOXICITY DATA with REFERENCE:

sln-dmg-unk 1 pph ZEVBA5 93,1,62

ipr-rat LD50:1750 mg/kg ARZNAD 16,1734,66

ipr-mus LD50:2470 mg/kg ARZNAD 16,1734,66

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 NO_x. See also AMINES.

TLX000 CAS: 682-09-7 HR: 1
TRIMETHYLOLPROPANE DIALLYL ETHER

TOXICITY DATA with REFERENCE:

orl-rat LD50:6500 mg/kg IHFCAY 6,1,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS and ALLYL COMPOUNDS.

TLX100 CAS: 28961-43-5 HR: 1
TRIMETHYLOLPROPANE ETHOXYTRIACRYLATE

SYN: ETHANOL, 2,2',2''-(PROPYLIDYNETRIS(METHYLENEOXY))TRI-, TRIACRYLATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD JTEHD6 19,149,86

eye-rbt 100 mg MOD JTEHD6 19,149,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLX110 CAS: 682-11-1 HR: 1
TRIMETHYLOPROPANE MONOALLYL ETHER

mf: C₉H₁₈O₃ mw: 174.27

SYN: 2,2-(DIHYDROXYMETHYL)-1-BUTANOL, MONOALLYL ETHER

TOXICITY DATA with REFERENCE:

orl-rat LD50:4930 mg/kg IHFCAY 6,1,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS and ALLYL COMPOUNDS.

TLX175 CAS: 15625-89-5 HR: 1
TRIMETHYLOLPROPANE TRIACRYLATE

mf: C₁₅H₂₀O₆ mw: 296.35

SYNS: 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL TRIACRYLATE □ MFA □ MFM □ NK ESTER A-TMPT □ SARTOMER SR 351 □ SR 351 □ TMPTA □ 1,1,1-(TRIHYDROXYMETHYL)PROPANE TRIESTER ACRYLIC ACID

TOXICITY DATA with REFERENCE:

skn-hmn 1% AIHAAP 42,B-53,81

eye-rbt 100 mg MOD JTEHD6 19,149,86

mnt-mus:lym 650 µg/L MUTAEX 4,381,89

cyt-mus:lym 600 µg/L MUTAEX 4,381,89

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

skn-rbt LD50:5170 mg/kg AIHAAP 42,B-53,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TLX250 CAS: 3290-92-4 HR: 3
TRIMETHYLOLPROPANE TRIMETHACRYLATE

mf: C₁₈H₂₆O₆ mw: 338.44

PROP: Liquid. Bp: >200° @ 1 mm, d: 0.97, refr index: 1.4700, flash p: 149° F.

SYNS: 2-ETHYL-2-HYDROXYMETHYL-1,3-PROPANEDIOL TRIMETHACRYLATE □ TRIMETHYLOLPROPANE TRIMETHANCRYLATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD JTEHD6 19,149,86
cyt-mus:lym 30 mg/L MUTAEX 4,381,89
cyt-ham:ovr 200 µg/L MUTAEX 4,394,89
ipr-mus LD50:2889 mg/kg JDREAF 51,526,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A skin irritant. Mutation data reported. Flammable liquid when exposed to heat, sparks, or flame. When heated to decomposition it emits acrid smoke and irritating fumes.

TLX600 CAS: 149-73-5 HR: 3
TRIMETHYL ORTHOFORMATE

mf: C₄H₁₀O₃ mw: 106.14

PROP: Colorless liquid; pungent odor. Vap d: 3.67, fp: 15°, bp: 103–105°, flash p: 59°F.

SYNS: METHYLESTER KYSELINY ORTHOMRAVENCI (CZECH) □ METHYL ORTHOFORMATE □ ORTHOFORMIC ACID, TRIMETHYL ESTER □ ORTHOMRAVENCAN METHYLNATY (CZECH) □ TRIMETHOXYMETHANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,43,72
eye-rbt 100 mg/24H MOD 28ZPAK -,43,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin and eye irritant. A very dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Hazardous to prepare. To fight fire, use CO₂, fog, haze. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

TLX800 HR: D
2,4,5-TRIMETHYL Δ-3-OXAZOLINE

mf: C₆H₁₁NO mw: 113.16

PROP: Yellow-orange liquid; powerful, musty, nut-like odor. D: 0.911–0.932, refr index: 1.414–1.435. Sol in alc, propylene glycol, water; insol in fixed oils.

SYN: FEMA No. 3525

SAFETY PROFILE: When heated to decomposition emits toxic fumes of NO_x.

TLY000 CAS: 64047-30-9 HR: 3
TRIMETHYL-2-OXEPANONE (mixed isomers)

mf: C₉H₁₆O₂ mw: 156.25

SYN: TRIMETHYL-ε-LACTONE (mixed isomers)

TOXICITY DATA with REFERENCE:

orl-rat LD50:7430 mg/kg AIHAAP 23,95,62
skn-rbt LD50:6300 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: IARC Cancer Review: Animal Sufficient Evidence IMEMDT 19,303,79.

SAFETY PROFILE: Confirmed carcinogen. Mildly toxic by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

TLY175 CAS: 5076-19-7 HR: 2
TRIMETHYLOXIRANE

mf: C₅H₁₀O mw: 86.15

SYNS: β-ISOAMYLENE OXIDE □ TRIMETHYLETHYLENE OXIDE □ TRIMETHYLOXACYCLOPROPANE □ 2,2,3-TRIMETHYLOXIRANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2635 mg/kg GTPZAB 24(10),49,80
ipr-rat LD50:1410 mg/kg GTPZAB 24(10),49,80
orl-mus LD50:2600 mg/kg GTPZAB 24(10),49,80
ipr-mus LD50:1513 mg/kg GTPZAB 24(10),49,80

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

TLY200 CAS: 64028-99-5 HR: 3
2,4,8-TRIMETHYL-5-OXO-6-OXA-3,9-DITHIA-2,4,7-TRIAZADDEC-7-ENOIC ACID ETHYL ESTER

mf: C₉H₁₇N₃O₄S₂ mw: 295.41

SYN: 6-OXA-3,9-DITHIA-2,4,7-TRIAZADDEC-7-ENOIC ACID, 2,4,8-TRIMETHYL-5-OXO-, ETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:226 mg/kg USXXAM #4341795
orl-mus LD50:310 mg/kg JAFCAU 26,550,1978

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

TLY250 CAS: 25351-18-2 HR: 3
TRIMETHYL(4-OXPENTHYL)AMMONIUM IODIDE

mf: C₈H₁₈NO•I mw: 271.17

SYNS: 4-KETOAMYLTRIMETHYLAMMONIUM IODIDE □ N-PENTAN-4-ONE-N,N,N-TRIMETHYLAMMONIUM IODIDE □ N,N,N-TRIMETHYL-4-OXO-1-PENTANAMINIUM IODIDE

TOXICITY DATA with REFERENCE:

scu-mus LD50:13.5 mg/kg JPETAB 103,196,51
ivn-dog LDLo:1085 µg/kg JPETAB 103,196,51

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and I. See also KETONES and IODIDES.

TLY500 CAS: 540-84-1 HR: 3
2,2,4-TRIMETHYLPENTANE

mf: C₈H₁₈ mw: 114.26

PROP: Clear liquid; odor of gasoline. Bp: 99.2°, mp: −107.5°, fp: −116°, flash p: 10°F, d: 0.692 @ 20°/4°, autoign temp: 779°F, vap press: 40.6 mm @ 21°, vap d: 3.93, lel: 1.1%, uel: 6.0%.

SYNS: ISOBUTYLTRIMETHYLETHANE □ ISOCTANE (DOT)

TOXICITY DATA with REFERENCE:

dns-rat-orl 500 mg/kg TXAPA9 85,11,86
dns-mus-orl 500 mg/kg TXAPA9 85,11,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

NIOSH REL: TWA (Alkanes) 350 mg/m³

SAFETY PROFILE: Mutation data reported. High concentrations can cause narcosis. A very dangerous fire hazard when exposed to heat, flame, oxidizers. Can react vigorously with reducing materials. Explosive in the form

of vapor when exposed to heat or flame. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALKANES.

TLY750 CAS: 144-19-4 HR: 3
2,2,4-TRIMETHYL-1,3-PENTANEDIOL

mf: C₈H₁₈O₂ mw: 146.26

PROP: White, crystalline solid. Mp: 49–51°, bp: 109–111° @ 4 mm, flash p: 235°.

SYN: TMPD

TOXICITY DATA with REFERENCE:

skn-rbt 9370 µg/24H open MLD AIHAAP 23,95,62

orl-rat LDLo:2000 mg/kg KODAK* -,71

ipr-rat LDLo:800 mg/kg TXAPA9 29,87,74

ivn-rat LDLo:145 mg/kg TXAPA9 29,87,74

orl-mus LDLo:2200 mg/kg KODAK* -,71

ipr-mus LDLo:800 mg/kg TXAPA9 29,87,74

ivn-mus LDLo:145 mg/kg TXAPA9 29,87,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. A skin irritant. An insect repellent. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, fog, mist, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

TLZ000 CAS: 6846-50-0 HR: 2
2,2,4-TRIMETHYL-1,3-PENTANEDIOL
DIISOBUTYRATE

mf: C₁₆H₃₀O₄ mw: 286.46

PROP: Bp: 536°F, d: 0.9, vap d: 9.9, flash p: 250°F (OC).

SYNS: ISOBUTYRIC ACID, 1-ISOPROPYL-2,2-DIMETHYL-TRIMETHYLENE ESTER □ 2,2,4-TRIMETHYLPENTANEDIOL-1,3-DIISOBUTYRATE

TOXICITY DATA with REFERENCE:

skn-gpg 5 mg/kg MLD TXAPA9 22,387,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. Combustible when exposed to heat or flame. To fight fire, use alcohol foam, spray, mist, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

TLZ100 CAS: 123-44-4 HR: 1
2,2,4-TRIMETHYLPENTANOL

mf: C₈H₁₈O mw: 130.26

SYN: 1-PENTANOL, 2,2,4-TRIMETHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD JACTDZ 1,194,92

eye-rbt 100 mg MOD JACTDZ 1,194,92

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

TMA250 CAS: 25167-70-8 HR: 3
2,4,4-TRIMETHYL PENTENE

mf: C₈H₁₆ mw: 112.24

PROP: A clear liquid. Bp: 104.5°, flash p: 35°F (TOC), fp: -106.4°, d: 0.724 @ 15.5°/15.5°, vap press: 77.5 mm @ 38°, vap d: 3.9, autoign temp: 581°F.

SYNS: DIISOBUTENE □ DIISOBUTYLENE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An irritant. Irritating and narcotic in high concentration. Has caused liver and kidney damage in experimental animals. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials such as oleum, chlorosulfonic acid, H₂SO₄. Keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical.

TMA500 CAS: 19109-66-1 HR: 3
TRIMETHYLPENTYLAMMONIUM IODIDE

mf: C₈H₂₀N•I mw: 257.19

SYNS: AMYLTRIMETHYLAMMONIUM IODIDE □ PENTYLTRIMETHYLAMMONIUM IODIDE □ N,N,N-TRIMETHYL-1-PENTANAMINIUM IODIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:18 mg/kg UCPHAQ 1,187,39

scu-mus LD50:25 mg/kg JPETAB 103,196,51

ivn-mus LD50:2400 µg/kg JPETAB 110,369,54

ivn-dog LDLo:1021 µg/kg JPETAB 103,196,51

SAFETY PROFILE: Poison by subcutaneous, intraperitoneal, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and I. See also IODIDES.

TMA600 CAS: 4075-96-1 HR: 3
N,N,α-TRIMETHYLPHENETHYLAMINE

mf: C₁₁H₁₇N mw: 163.29

SYNS: 2-DIMETHYLAMINO-1-PHENYLPROPANE □ DIMETHYLAMPHETAMINE □ BENZENEEETHANAMINE, N,N,α-TRIMETHYL- □ 1-PHENYL-2-DIMETHYLAMINO-PROPAN □ α-PHENYL-β-DIMETHYL AMINO PROPANE □ 1-PHENYL-2-DIMETHYLAMINOPROPANE □ PHENETHYLAMINE, N,N,α-TRIMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:750 mg/kg AEPPAE 195,647,1940

ipr-rat LDLo:180 mg/kg AEPPAE 195,647,1940

par-mus LD50:180 mg/kg AEPPAE 195,647,1940

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

TMA750 CAS: 73791-32-9 HR: 1
1-(2,4,6-TRIMETHYLPHENYLAMINO)ANTHRA-QUINONE

mf: C₂₃H₁₉NO₂ mw: 341.43

SYN: MODR MIDLONOVA STALA ER (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,242,72

eye-rbt 100 mg/24H MOD 28ZPAK -,242,72

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

TMB000 CAS: 16056-11-4 HR: 3
TRIMETHYLPHENYLAMMONIUM BROMIDE

mf: C₉H₁₄N•Br mw: 216.15

SYNS: AMMONIUM, PHENYLTRIMETHYL-, BROMIDE □ BENZENAMINIUM N,N,N-TRIMETHYL-, BROMIDE (9CI) □ PHENYL TRIMETHYL AMMONIUM BROMIDE □ RO 2-2979

TOXICITY DATA with REFERENCE:

ivn-mus LD50:4 mg/kg JPETAB 99,16,50

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Br⁻. See also BROMIDES.

TMB250 CAS: 138-24-9 HR: 3
TRIMETHYLPHENYL AMMONIUM CHLORIDE

mf: C₉H₁₄N•Cl mw: 171.69

SYNS: PHENYLTRIMETHYLAMMONIUM CHLORIDE □ TRIMETHYLANILINIUM CHLORIDE □ N,N,N-TRIMETHYL-ANILINIUM CHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:200 mg/kg JPETAB 43,413,31

ivn-mus LDLo:15 mg/kg JPETAB 43,413,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl⁻.

TMB500 CAS: 1899-02-1 HR: 3
TRIMETHYLPHENYLAMMONIUM HYDROXIDE

mf: C₉H₁₄N•HO mw: 153.25

SYNS: PHENYL TRIMETHYL AMMONIUM HYDROXIDE □ TRIMETHYLANILINIUM HYDROXIDE

TOXICITY DATA with REFERENCE:

scu-mus LDLo:49 mg/kg JPETAB 28,367,26

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x and NH₃.

TMB750 CAS: 98-04-4 HR: 3
TRIMETHYLPHENYLAMMONIUM IODIDE

mf: C₉H₁₄N•I mw: 263.14

PROP: Leaves from alc. Mp: 228–230° decomp, bp: subl. Sol in alc, water; insol in chloroform.

SYNS: N,N-DIMETHYLANILINE METHIODIDE □ PHENYL-TRIMETHYLAMMONIUM IODIDE □ PHT □ TRIMETHYL-ANILINIUM IODIDE □ N,N,N-TRIMETHYLANILINIUM IODIDE □ N,N,N-TRIMETHYLBENZENAMINIUM IODIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:55 mg/kg UCPHAQ 2,161,44

scu-mus LD50:85 mg/kg JCSOA9 -,182,47

ivn-mus LD50:5620 µg/kg CSLNX* NX#02332

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and I⁻. See also IODIDES.

TMC750 CAS: 12407-86-2 HR: 3
TRIMETHYLPHENYL METHYLCARBAMATE

mf: C₁₁H₁₅NO₂ mw: 193.27

PROP: It is a mixture of the 3,4,5- and the 2,3,5-trimethyl phenyl methyl carbamate isomers, which are present in a ratio of 4:1 (SHELL*).

SYNS: LANDRIN □ METHYLCARBAMIC ACID, TRIMETHYLPHENYL ESTER □ SD 8530 □ TRIMETHACARB □ UC 27867

TOXICITY DATA with REFERENCE:

orl-rat LD50:208 mg/kg SCCUR* 14,515,69

skn-rbt LD50:>2500 mg/kg SCCUR* CODE ACD:67-101,72

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. When heated to decomposition it emits toxic fumes of NO_x. See also 3,4,5-TRIMETHYLPHENYL METHYLCARBAMATE and CARBAMATES.

TMD000 CAS: 2686-99-9 HR: 3
3,4,5-TRIMETHYLPHENYL METHYLCARBAMATE

mf: C₁₁H₁₅NO₂ mw: 193.27

SYNS: ENT 25,843 □ LANDRIN □ OMS-597 □ SD 8530 □ SHELL SD-8530

TOXICITY DATA with REFERENCE:

orl-rat LD50:178 mg/kg TXAPA9 21,315,72

ipr-rat LDLo:136 mg/kg TXAPA9 25,569,73

ivn-rat LD50:32 mg/kg BJIMAG 22,317,65

ims-rat LD50:283 mg/kg BJIMAG 22,317,65

orl-mus LD50:101 mg/kg ARSIM* 20,20,66

orl-pgn LD50:168 mg/kg TXAPA9 20,57,71

orl-ckn LD50:50 mg/kg TXAPA9 11,49,67

orl-qal LD50:71 mg/kg TXAPA9 20,57,71

orl-dck LD50:22 mg/kg TXAPA9 20,57,71

orl-bwd LD50:10 mg/kg TXAPA9 21,315,72

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

TMD250 CAS: 512-56-1 HR: 3
TRIMETHYL PHOSPHATE

mf: C₃H₉O₄P mw: 140.09

(CH₃O)₃P(O)

PROP: Pleasant smelling liquid. D: 1.97 @ 19.5°/0°, bp: 197.2°. Sol in alc, water, ether, and org solvs.

SYNS: METHYL PHOSPHATE □ NCI-C03781 □ PHOSPHORIC ACID, TRIMETHYL ESTER □ TMP □ O,O,O-TRIMETHYL PHOSPHATE

TOXICITY DATA with REFERENCE:

cyt-hmn:lym 100 mmol/L/5H MUREAV 65,121,79

trn-mus-ipr 1 g/kg MUREAV 157,205,85

ipr-mus TDLo:1 g/kg (male 1D pre):REP MUREAV 157,205,85

orl-mus TDLo:2500 mg/kg (male 5D pre):TER SCIEAS 168,584,70

orl-rat TDLo:31 g/kg/2Y-C:NEO NCITR* NCI-CG-TR-81,78

orl-mus TDLo:154 g/kg/2Y-C:CAR,TER NCITR* NCI-CG-TR-81,78

orl-rat TD:16 g/kg/2Y-I:ETA NCITR* NCI-CG-TR-81,78

orl-rat LD50:840 mg/kg NCILB* NIH-NCI-E-C-72-3252,73

ipr-rat LDLo:800 mg/kg JPPMAB 11,150,59

ivn-rat LDLo:2400 mg/kg NATUAS 179,154,57

orl-mus LD50:1470 mg/kg NCLB* NIH-NCI-E-C-72-3252,73

orl-rbt LD50:1050 mg/kg JPETAB 88,338,46

skn-rbt LD50:3388 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (gavage); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-81,78. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Moderately toxic by ingestion, skin contact, intraperitoneal, and intravenous routes. Experimental reproductive effects. Human mutation data reported. Explodes when heat distilled. When heated to decomposition it emits toxic fumes of PO_x . See also ESTERS.

TMD275 CAS: 594-09-2 HR: 3
TRIMETHYLPHOSPHINE

mf: $\text{C}_3\text{H}_9\text{P}$ mw: 76.08
(CH_3)₃P

PROP: Odor: stench. Mp: -86° , bp: $38-39^\circ$, d: 0.735, flash p: -22°F . Insol in water.

SAFETY PROFILE: A flammable liquid and extremely dangerous fire hazard. May ignite spontaneously in air. When heated to decomposition it emits toxic fumes of PO_x . See also PHOSPHINE.

TMD400 CAS: 20819-54-9 HR: 3
TRIMETHYLPHOSPHINE SELENIDE

mf: $\text{C}_3\text{H}_9\text{PSe}$ mw: 155.05

PROP: Needles from EtOH. Mp: $140.5-141^\circ$.

SYN: PHOSPHINE SELENIDE, TRIMETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:8 mg/kg JPETAB 25,315,25

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of PO_x and Se.

TMD500 CAS: 121-45-9 HR: 3
TRIMETHYL PHOSPHITE

DOT: UN 2329

mf: $\text{C}_3\text{H}_9\text{O}_3\text{P}$ mw: 124.09
(CH_3O)₃P

PROP: Air-sensitive, colorless liquid with powerful sickly odor. D: 1.046 @ $20^\circ/4^\circ$, mp: -78° , bp: $111-112^\circ$, vap d: 4.3, bp: $232-234^\circ\text{F}$, flash p: 130°F (OC). Insol in water; sol in hexane, benzene, acetone, alc, ether, carbon tetrachloride, kerosene.

SYNS: FOSFORYN TROJMETYLOWY (CZECH) □ METHYL PHOSPHITE □ PHOSPHORUS ACID, TRIMETHYL ESTER □ TRIMETHOXYFOSFIN □ TRIMETHOXYPHOSPHINE □ TRIMETHYLFOSEIT □ TRIMETHYL PHOSPHITE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV 34ZIAG -,609,69

eye-rbt 100 mg SEV 34ZIAG -,609,69

skn-mam 500 mg MLD MEPAAX 29,393,78

eye-mam 100 mg MLD MEPAAX 29,393,78

orl-rat LD50:1600 mg/kg ALBRW* #OPB-3,84

ipr-mus LD50:4180 mg/kg ENVRAL 9,1,75

skn-rbt LDLo:2200 mg/kg 34ZIAG -,610,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2 ppm

ACGIH TLV: TWA 2 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An experimental teratogen. A severe skin and eye irritant. Flammable liquid when exposed to heat, flame, or oxidizers. To fight fire, use water, foam, fog, CO_2 . Violent explosive reaction on contact with magnesium perchlorate or trimethyl platinum(IV) azide tetramer. When heated to decomposition it emits toxic fumes of PO_x . An intermediate in the production of pesticides, fire retardants, and organic phosphorus additives. See also ESTERS.

TMD625 CAS: 22608-53-3 HR: 3
O,S,S-TRIMETHYL PHOSPHORODITHIOATE

mf: $\text{C}_3\text{H}_9\text{O}_2\text{PS}_2$ mw: 172.21

PROP: A liquid. D: 1.25 @ $20^\circ/4^\circ$, bp: $60-62^\circ$ @ 0.05 mm.

TOXICITY DATA with REFERENCE:

orl-rat LD50:26 mg/kg ARTODN 42,95,79

ipr-rat LD50:26 mg/kg FAATDF 4(2,Pt 2),S215,84

ivn-rat LD50:26 mg/kg FAATDF 4(2,Pt 2),S215,84

orl-mus LD50:120 mg/kg TXAPA9 75,219,84

ipr-mus LD50:38 mg/kg ARTODN 51,221,82

ivn-mus LD50:149 mg/kg DTESD7 8,631,80

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

TMD650 CAS: 816-80-8 HR: 3
TRIMETHYL PHOSPHOROTRITHIOATE

mf: $\text{C}_3\text{H}_9\text{PS}_3$ mw: 172.27

SYN: PHOSPHOROTRITHIOUS ACID, TRIMETHYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 83 mg/2S SEV RNS AMIHAB 12,483,1955

orl-rat LD50:105 mg/kg AMIHAB 12,483,1955

skn-rat LD50:1030 mg/kg AMIHAB 12,483,1955

ipr-rat LD50:44 mg/kg AMIHAB 12,483,1955

skn-rbt LD50:1 g/kg AMIHAB 12,483,1955

ivn-rbt LDLo:24 mg/kg AMIHAB 12,483,1955

SAFETY PROFILE: A poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by skin contact. A severe eye irritant. When heated to decomposition it emits toxic vapors of SO_x and PO_x .

TMD699 CAS: 681-71-0 HR: 3
S,S,S-TRIMETHYL PHOSPHOROTRITHIOATE

mf: $\text{C}_3\text{H}_9\text{OPS}_3$ mw: 188.27

PROP: A liquid. D: 1.27 @ $20^\circ/4^\circ$.

TOXICITY DATA with REFERENCE:

orl-rat LD50:30 mg/kg FAATDF 4(2,Pt 2),S215,84

ipr-rat LD50:30 mg/kg FAATDF 4(2,Pt 2),S215,84

ivn-rat LD50:30 mg/kg FAATDF 4(2,Pt 2),S215,84

orl-mus LD50:30 mg/kg ARTODN 51,221,82

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

TME250 CAS: 14477-33-9 HR: 3
TRIMETHYLPLATINUM HYDROXIDE

mf: $\text{C}_3\text{H}_{10}\text{OPt}$ mw: 257.18

PROP: IDLH 4 mg/m^3 (as Pt).

SAFETY PROFILE: Explodes on heating. See also PLATINUM COMPOUNDS and ORGANO METALS.

TME255 CAS: 6000-82-4 HR: 3
N,N,2-TRIMETHYLPROPENYLAMINE

mf: $\text{C}_6\text{H}_{13}\text{N}$ mw: 99.20

SYNS: ALLYLAMINE, N,N,2-TRIMETHYL- □ 2-PROPEN-1-AMINE, N,N,2-TRIMETHYL-(9CI) □ TRIMETHYLAMINE, ISOPROPYLIDENE-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04047

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

TME260 CAS: 77922-38-4 HR: 2
2,5,6-TRIMETHYL-7-PROPYLTHIOHEPT-1-EN-3-YN-5-OL

mf: $\text{C}_{13}\text{H}_{22}\text{OS}$ mw: 226.41

SYNS: 1-(PROPYLTHIO)-2,3,6-TRIMETHYL-6-HEPTEN-4-YN-3-OL □ 6-HEPTEN-4-YN-3-OL, 1-(PROPYLTHIO)-2,3,6-TRIMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:471 mg/kg PCJOAU 20,89,86

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

TME270 CAS: 14667-55-1 HR: 2
2,3,5-TRIMETHYLPYRAZINE

mf: $\text{C}_7\text{H}_{10}\text{N}_2$ mw: 122.19

PROP: Colorless to sltly yellow liquid; baked potato, peanut odor. D: 0.960–0.990 @ 20°, bp: 171–172° @ 735 mm, refr index: 1.503, flash p: 153°F. Sol in water and org solvs.

SYNS: FEMA No. 3244 □ TRIMETHYLPYRAZINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:806 mg/kg DCTODJ 3,249,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Combustible liquid. When heated to decomposition emits toxic fumes of NO_x .

TME272 CAS: 108-75-8 HR: 3
2,4,6-TRIMETHYLPYRIDINE

mf: $\text{C}_8\text{H}_{11}\text{N}$ mw: 121.20

SYNS: α - γ , α' -COLLIDINE □ γ -COLLIDINE □ s-COLLIDINE □ sym-COLLIDINE □ 2,4,6-COLLIDINE □ 2,4,6-KOLLIDIN □ PYRIDINE, 2,4,6-TRIMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg 85JCAE -,847,86

ihl-rat LCLo:2500 ppm/2H 85JCAE -,847,86

skn-gpg LD50:1 g/kg 85JCAE -,847,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TME275 CAS: 940-93-2 HR: 3
2,4,6-TRIMETHYLPYRILUM PERCHLORATE

mf: $\text{C}_8\text{H}_{11}\text{ClO}_5$ mw: 212.55

PROP: Crystals from AcOH. Mp: 245–247° (decomp).

SAFETY PROFILE: The dry crystalline solid is an impact- and friction-sensitive explosive. When heated to decomposition it emits toxic fumes of Cl^- . See also PERCHLORATES.

TME300 CAS: 161696-99-7 HR: D
N,2,5-TRIMETHYL-6-QUINOXALINAMINE

mf: $\text{C}_{11}\text{H}_{13}\text{N}_3$ mw: 187.27

SYNS: 2,5-DIMETHYL-6-METHYLAMINOQUINOXALINE □ 6-QUINOXALINAMINE, N,2,5-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 nmol/plate MUREAV 346,99,95

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

TME305 CAS: 156243-44-6 HR: D
N,3,5-TRIMETHYL-6-QUINOXALINAMINE

mf: $\text{C}_{11}\text{H}_{13}\text{N}_3$ mw: 187.27

SYNS: 3,5-DIMETHYL-6-METHYLAMINOQUINOXALINE □ 6-QUINOXALINAMINE, N,3,5-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 nmol/plate MUREAV 346,99,95

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

TME500 CAS: 25930-79-4 HR: 3
TRIMETHYLSELENONIUM

mf: $\text{C}_3\text{H}_9\text{Se}$ mw: 124.08

SYNS: SELENONIUM, TRIMETHYL- □ TRIMETHYLSELENONIUM ION

TOXICITY DATA with REFERENCE:

scu-rat TDLo:31 mg/kg ARTODN 45,207,80

OSHA PEL: TWA 0.2 $\text{mg}(\text{Se})/\text{m}^3$

ACGIH TLV: TWA 0.2 $\text{mg}(\text{Se})/\text{m}^3$

SAFETY PROFILE: Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of Se.

TME600 CAS: 18987-38-7 HR: 3
TRIMETHYLSELENONIUM CHLORIDE

mf: $\text{C}_3\text{H}_9\text{Se}\cdot\text{Cl}$ mw: 159.53

SYN: SELENONIUM, TRIMETHYL-, CHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:99 mg/kg CTOXAO 17,171,80

OSHA PEL: TWA 0.2 $\text{mg}(\text{Se})/\text{m}^3$

ACGIH TLV: TWA 0.2 $\text{mg}(\text{Se})/\text{m}^3$

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

TME750 CAS: 13435-12-6 HR: 3**N-TRIMETHYLSILYLACETAMIDE**mf: C₅H₁₃NOSi mw: 131.28**PROP:** A solid. Mp: 52–54°, bp: 84° @ 18 mm.**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:350 mg/kg StoGD# 27May75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**TMF000 CAS: 10416-59-8 HR: 2****N-(TRIMETHYLSILYL)ACETIMIDIC ACID, TRIMETHYLSILYL ESTER**mf: C₈H₂₁NOSi₂ mw: 203.48**PROP:** A liquid. Bp: 67.5 @ 30 mm.**SYNS:** BIS(TRIMETHYLSILYL)ACETAMIDE □ N_o-BIS(TRIMETHYLSILYL)ACETAMIDE □ N-(TRIMETHYLSILYL)-ETHANIMIDIC ACID, TRIMETHYLSILYL ESTER**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:750 mg/kg StoGD# 27May75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also ESTERS.**TMF100 CAS: 4648-54-8 HR: 3****TRIMETHYLSILYL AZIDE**mf: C₃H₉N₃Si mw: 115.21
(CH₃)₃SiN₃**PROP:** A liquid. D: 0.87 @ 20°/4°, mp: –95°, bp: 52–53°.**SYN:** AZIDOTRIMETHYLSILANE**SAFETY PROFILE:** Explosive reaction with rhenium hexafluoride, selenium halides. Reacts with tungsten hexafluoride to form an explosive product. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.**TMF125 CAS: 18230-75-6 HR: 2****TRIMETHYL SILYL HYDROPEROXIDE**mf: C₃H₁₀O₂Si mw: 106.20
(CH₃)₃SiOOH**PROP:** Thermally and hydrolytically unstable. Bp: 31° @ 11 mm.**SAFETY PROFILE:** Potentially hazardous thermal decomposition when heated above 35°C. When heated to decomposition it emits acrid smoke and irritating fumes. See also PEROXIDES.**TMF250 CAS: 18156-74-6 HR: 3****N-(TRIMETHYLSILYL)IMIDAZOLE**mf: C₆H₁₂N₂Si mw: 140.29**PROP:** Bp: 93–94° @ 14 mm, refr index: 1.470, d: 0.956, flash p: 42° F.**SYNS:** (TRIMETHYLSILYL)IMIDAZOLE □ N-(TRIMETHYLSILYL)IMIDAZOL □ 1-(TRIMETHYLSILYL)IMIDAZOLE □ 1-(TRIMETHYLSILYL)-1H-IMIDAZOLE □ TSIM**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:750 mg/kg StoGD# 27May75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Questionable carcinogen with experimental neoplastigenic data. Flammable liquid. When heated to decomposition it emits toxic fumes of NO_x.**TMF500 CAS: 3219-63-4 HR: 2****TRIMETHYLSILYLMETHANOL**mf: C₄H₁₂OSi mw: 104.25**PROP:** A liquid. D: 0.826 @ 25°/4°, bp: 121.7–121.9°.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1080 mg/kg DANKAS 229(4),1011,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.**TMF600 CAS: 39482-21-8 HR: D****N-TRIMETHYLSILYLMETHYL-N-NITROSOUREA**mf: C₅H₁₃N₂O₂Si mw: 175.30**SYN:** N-NITROSO-N-((TRIMETHYLSILYL)METHYL)UREA**TOXICITY DATA with REFERENCE:**

mmo-sat 1 mmol/L MUREAV 157,87,85

msc-ham:lng 1200 μmol/L MUREAV 157,87,85

SAFETY PROFILE: Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.**TMF625 CAS: 18204-79-0 HR: 3****TRIMETHYLSILYL PERCHLORATE**mf: C₃H₉ClO₄Si mw: 172.64
(CH₃)₃SiOCIO₃**PROP:** Bp: 35–38° @ 14 mm.**SAFETY PROFILE:** Explodes when heated. When heated to decomposition it emits toxic fumes of Cl[–]. See also PERCHLORATES.**TMF750 CAS: 63019-09-0 HR: 2****N,N,2'-TRIMETHYL-4-STILBENAMINE**mf: C₁₇H₁₉N mw: 237.37**SYNS:** 4-DIMETHYLAMINO-2'-METHYLSTILBENE □ N,N-DIMETHYL-2'-METHYLSTILBENAMINE □ 2'-METHYL-4-DIMETHYLAMINOSTILBENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic and neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**TMG000 CAS: 63040-32-4 HR: 2****N,N,3'-TRIMETHYL-4-STILBENAMINE**mf: C₁₇H₁₉N mw: 237.37**SYN:** 3'-METHYL-4-DIMETHYLAMINOSTILBENE

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

TMG250 CAS: 7378-54-3 HR: 2
N,N,4'-TRIMETHYL-4-STILBENAMINE

mf: C₁₇H₁₉N mw: 237.37

SYN: 4'-METHYL-4-DIMETHYLAMINOSTILBENE

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

TMG500 CAS: 2181-42-2 HR: 3
TRIMETHYLSULFONIUM IODIDE

mf: C₃H₉IS mw: 204.08

PROP: Crystals from EtOH. Mp: 211–212.5° (decomp).

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:88 mg/kg TXAPA9 20,135,71

scu-mus LDLo:300 mg/kg JPETAB 25,315,25

ivn-mus LD50:18 mg/kg CSLNX* NX#02185

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits very toxic fumes of I⁻ and SO_x. See also IODIDES.

TMG750 CAS: 7575-48-6 HR: 3
TRIMETHYLSULFONIUM IODIDE MERCURIC IODIDE addition compound

PROP: IDLH 10 mg/m³ (as Hg).

SYN: TRIMETHYLSULFONIUM, IODIDE, COMPOUND with MERCURY IODIDE (1:1)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#01850

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

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of SO_x, I⁻, and Hg. See also TRIMETHYLSULFONIUM IODIDE, MERCURY(II) IODIDE, IODIDES, and MERCURY COMPOUNDS.

TMG775 CAS: 25596-24-1 HR: 2
TRIMETHYLSULFOXONIUM BROMIDE

mf: C₃H₉BrOS mw: 173.07

(CH₃)₃S⁺OBr⁻

SAFETY PROFILE: Thermal decomposition at 180°C results in vigorous, potentially dangerous release of vapor. Solutions in dimethyl sulfoxide decompose similarly at 74–80°C. When heated to decomposition it emits toxic fumes of Br⁻ and SO_x. See also BROMIDES.

TMG800 CAS: 1774-47-6 HR: 3
TRIMETHYL SULPHOXONIUM IODIDE

mf: C₃H₉OS•I mw: 220.08

SYNS: SULFONIUM, TRIMETHYL-, IODIDE, OXIDE □ SULFOXONIUM, TRIMETHYL-, IODIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:900 mg/kg IJRBA3 3,41,61

ivn-mus LD50:180 mg/kg CSLNX* NX#04108

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of SO_x and I⁻.

TMH250 CAS: 3003-15-4 HR: 3
TRIMETHYLTALLIUM

mf: C₃H₉Tl mw: 265.48

PROP: Needles. Mp: 38.5°. IDLH 15 mg/m³ (as Tl).

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

SAFETY PROFILE: Thallium compounds are cumulative poisons. Explodes above 90°C. Ignites spontaneously in air. Complex with diethyl ether explodes at 0°C. See also THALLIUM COMPOUNDS.

TMH300 CAS: 66637-26-1 HR: 3
3,3,6-TRIMETHYL-2,5-THIOMORPHOLINED-IONE-2-(o-((METHYLAMINO)CARBONYL)-OXIME)

mf: C₉H₁₅N₃O₃S mw: 245.33

SYNS: 2-(o-(METHYLCARBAMOYL)OXIMINO)-3,3,6-TRIMETHYLTETRAHYDRO-1,4-THIAZIN-5-ONE □ 2,5-THIOMORPHOLINEDIONE, 3,3,6-TRIMETHYL-, 2-(o-((METHYLAMINO)CARBONYL)OXIME)

TOXICITY DATA with REFERENCE:

orl-rat LD50:884 µg/kg USXXAM #4071627

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

TMH525 CAS: 152-18-1 HR: 2
TRIMETHYL THIOPHOSPHATE

mf: C₃H₉O₃PS mw: 156.14

(CH₃O)₃P(:S)

PROP: A liquid. D: 1.219 @ 20°/0°, bp: 75° @ 3 mm.

SYN: TRIMETHYL PHOSPHOROTHIOATE

SAFETY PROFILE: Potentially explosive exothermic reaction with chlorine. When heated to decomposition it emits toxic fumes of PO_x and SO_x.

TMH750 CAS: 2489-77-2 HR: 3
1,1,3-TRIMETHYL-2-THIOUREA

mf: C₄H₁₀N₂S mw: 118.22

PROP: Prisms from C₆H₆/ligroin. Mp: 87–88°. Trimethylthiourea tested in NCITR* NCI-CG-TR-129 contained 15% 1,3-dimethyl-2-thiourea and 5% Zeolex 80.

SYNS: NCI-C02186 □ TRIMETHYLTHIOUREA □ N,N,N'-TRIMETHYLTHIOUREA

TOXICITY DATA with REFERENCE:

msc-mus:lyms 4200 mg/L EMMUEG 12,85,88

orl-rat TDLo:13 g/kg/77W-C:CAR NCITR* NCI-CG-TR-129,79

orl-rat LD50:316 mg/kg NCILB* NIH-NCI-E-C-72-3252

orl-mus LD50:215 mg/kg NCILB* NIH-NCI-E-C-72-3252

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (feed); No Evidence: mouse NCITR* NCI-CG-TR-129,79. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also ISOTHIOUREA.

TMII000 CAS: 1118-14-5 HR: 3
TRIMETHYLTIN ACETATE

mf: C₅H₁₂O₂Sn mw: 222.86

PROP: White crystals. Mp: 196–197°. Spar sol in CHCl₃ and CCl₄.

SYN: ACETOXYTRIMETHYLTIN STANNANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:9 mg/kg BJMAG 15,15,58

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. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TMII100 CAS: 73940-86-0 HR: 3
TRIMETHYLTIN CYANATE

mf: C₄H₉NOSn mw: 205.83

SYNS: CYANIC ACID, TRIMETHYLTIN STANNYL ESTER □ STANNANE, CYANATOTRIMETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:5600 µg/kg CSLNX* NX#06276

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

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

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

TMII250 CAS: 56-24-6 HR: 3
TRIMETHYL TIN HYDROXIDE

mf: C₃H₁₀OSn mw: 180.82

PROP: Colorless, white crystals. Mp: 118° (decomp). Sol in water and many org solv.

SYN: HYDROXYTRIMETHYLTIN STANNANE

TOXICITY DATA with REFERENCE:

scu-mus LDLo:1800 µg/kg JPETAB 28,367,26

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 subcutaneous route. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TMII500 CAS: 63869-87-4 HR: 3
TRIMETHYLTIN SULFATE

mf: C₃H₁₀O₄SSn mw: 260.88

SYN: TRIMETHYLTIN STANNANE SULPHATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:30 mg/kg BJPAL 10,16,55

ipr-rat LDLo:16 mg/kg BJPAL 10,16,55

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 and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO_x. See also SULFATES and TIN COMPOUNDS.

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

TMII750 CAS: 4638-25-9 HR: 3
TRIMETHYLTIN THIOCYANATE

mf: C₄H₉NSSn mw: 221.89

SYN: THIOCYANIC ACID, TRIMETHYLTIN STANNYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:1800 µg/kg CSLNX* NX#03079

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. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and CN⁻. See also TIN COMPOUNDS, THIOCYANATES, and ESTERS.

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

TMII800 CAS: 602-96-0 HR: 3
1,3,5-TRIMETHYL-2,4,6-TRINITROBENZENE (DOT)

mf: C₉H₉N₃O₆ mw: 255.21

SYNS: BENZENE, 1,3,5-TRIMETHYL-2,4,6-TRINITRO- □ MESITYLENE, 2,4,6-TRINITRO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden from transport. When heated to decomposition it emits toxic vapors of Cl⁻.

TMJ000 CAS: 1709-70-2 HR: 2
1,3,5-TRIMETHYL-2,4,6-TRIS(3,5-DI-*tert*-BUTYL-4-HYDROXYBENZYL) BENZENE

mf: C₅₄H₇₈O₃ mw: 775.32

PROP: Crystals from CH₂Cl₂/2,3,3-trimethylpentane. Mp: 244°.

SYNS: AHYDOL (RUSSIAN) □ ANTIOXIDANT 330 □ AO-40 □ ETHANOX 330 □ SANTOQUIN EMULSION □ SANTOQUIN MIXTURE 6

TOXICITY DATA with REFERENCE:

orl-rat LD50:1500 mg/kg IPSTB3 3,93,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**TMJ100 CAS: 1117-41-5 HR: 1
3,6,10-TRIMETHYL-3,5,9-UNDECATRIEN-2-ONE**

mf: C₁₄H₂₂O mw: 206.36

SYNS: METHYLISOPSEUDOIONONE □ PSEUDO- α -ISOMETHYL IONONE □ 2,6,9-TRIMETHYLUDECA-2,6,8-TRIEN-10-ONE □ 3,5,9-UNDECATRIEN-2-ONE, 3,6,10-TRIMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 26,413,88

skn-rbt LD50:>2500 mg/kg FCTOD7 26,413,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**TMJ150 CAS: 141-13-9 HR: 1
2,6,10-TRIMETHYL-9-UNDECENAL**

mf: C₁₄H₂₆O mw: 210.40

SYNS: DOXAL □ FARENAL □ TRIMETHYL UNDECYLENIC ALDEHYDE □ 9-UNDECENAL, 2,6,10-TRIMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 30(Suppl),133S,92

skn-rbt LD50:>5 g/kg FCTOD7 30(Suppl),133S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**TMJ250 CAS: 632-14-4 HR: 2
TRIMETHYLUREA**

mf: C₄H₁₀N₂O mw: 102.16

PROP: Prisms from Et₂O. Mp: 75.5°, bp: 232.5°.

SYNS: TRIMETHYLHARNSTOFF (GERMAN) □ 1,1,3-TRIMETHYLUREA

TOXICITY DATA with REFERENCE:

orl-rat LD50:1250 mg/kg ARZNAD 19,1073,69

ipr-mus LDLo:3188 mg/kg JPETAB 54,188,35

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

**TMJ300 CAS: 63951-29-1 HR: 3
TRIMETHYL(p-UREIDOPHENYL)AMMONIUM IODIDE**

SYN: AMMONIUM, TRIMETHYL(p-UREIDOPHENYL)-, IODIDE

TOXICITY DATA with REFERENCE:

scu-mus LD50:130 mg/kg JCSOA9 -,182,1947

SAFETY PROFILE: A poison by subcutaneous route. When heated to decomposition it emits toxic vapors of NH₃ and I⁻.

**TMJ750 CAS: 86-21-5 HR: 3
TRIMETON**

mf: C₁₆H₂₀N₂ mw: 240.38

SYNS: p-AMINOSALICYLSAEURES SALZ (GERMAN) □ 2-(α -(2-DIMETHYLAMINOETHYL)BENZYL)PYRIDINE □ 2-(3-DIMETHYLAMINO-1-PHENYLPROPYL)PYRIDINE □ N,N-DIMETHYL-3-PHENYL-3-(2-PYRIDYL)PROPYLAMINE □ NCI-C60695 □ 1-PHENYL-1-(2-PYRIDYL)-3-DIMETHYLAMINO-PROPANE □ 3-PHENYL-3-(2-PYRIDYL)-N,N-DIMETHYLPROPYLAMINE

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:14 mg/kg/CNS MJAUJ 2(3),110,76

ivn-mus LD50:48 mg/kg AEPPAE 211,328,50

ivn-rbt LDLo:30 mg/kg AEPPAE 211,328,50

SAFETY PROFILE: Poison by intravenous route. Human systemic effects by ingestion: central nervous system effects. When heated to decomposition it emits toxic fumes of NO_x.

**TMJ800 CAS: 18559-60-9 HR: 3
(+)-TRIMETOQUINOL HYDROCHLORIDE**

SYNS: AQD □ (+)-1,2,3,4-TETRAHYDRO-1-(3,4,5-TRIMETHOXYBENZYL)-6,7-ISOQUINOLINEDIOL HYDROCHLORIDE □ R-(+)-TRIMETOQUINOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2450 mg/kg EJPHAZ 5,303,68

ipr-mus LD50:390 mg/kg EJPHAZ 5,303,68

scu-mus LD50:2250 mg/kg EJPHAZ 5,303,68

ivn-mus LD50:145 mg/kg EJPHAZ 5,303,68

ipr-gpg LD50:820 mg/kg EJPHAZ 5,303,68

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

**TMK000 CAS: 132-20-7 HR: 3
TRIMETOSE**

mf: C₁₆H₂₀N₂•C₄H₄O₄ mw: 356.46

SYNS: AVIL-RETARD □ DANERAL □ 2-(α -(2-(DIMETHYLAMINO)ETHYL)BENZYL)PYRIDINE, BMALEATE □ 2-(α -(2-(DIMETHYLAMINO)ETHYL)BENZYL)PYRIDINE, MALEATE □ 1-(N,N-DIMETHYLAMINO)-3-(PHENYL-3- α -PYRIDYL)PROPANE MALEATE □ HO 11513 □ INHISTON □ PHENIRAMINE MALEATE □ PHENYL(2-PYRIDYL)(β -N,N-DIMETHYLAMINO-METHYL) METHANE MALEATE □ 1-PHENYL-1-(2-PYRIDYL)-3-DIMETHYLAMINOPROPANE MALEATE □ PROPENPYRIDAMINE MALEATE □ TRIMETON MALEATE

TOXICITY DATA with REFERENCE:

cyt-mus-orl 1120 μ g/kg IJBA6 19,516,81

orl-hmn LDLo:30 mg/kg ATXKA8 29,317,72

orl-rat LD50:520 mg/kg KIZAAL 43,168,80

scu-rat LDLo:200 mg/kg CRSBAW 144,887,50

orl-mus LD50:268 mg/kg KIZAAL 43,168,80

ivn-dog LDLo:111 mg/kg JPETAB 113,72,55

ivn-gpg LD50:72 mg/kg AIPTAK 113,313,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human poison by ingestion. Experimental poison by ingestion, subcutaneous, and intravenous routes. Mutation data reported. Used as an antihistamine. When heated to decomposition it emits toxic fumes of NO_x.

**TMK100 CAS: 3564-66-7 HR: 3
(+)-TRIMIPRAMINE**

mf: C₂₀H₂₆N₂ mw: 294.48

SYNS: 5H-DIBENZ(B,F)AZEPINE, 10,11-DIHYDRO-5-(3-(DIMETHYLAMINO)-2-METHYLPROPYL)-, (+)- 5H-DIBENZ(B,F)AZEPINE-5-PROPANAMINE, 10,11-DIHYDRO-N,N,β-TRIMETHYL-, (+)- 5H-DIBENZ(B,F)AZEPINE, 5-(3-(DIMETHYLAMINO)-2-METHYLPROPYL)-10,11-DIHYDRO-, (+)- 10633 RP

TOXICITY DATA with REFERENCE:

orl-mus LD50:395 mg/kg CRSBAW 155,307,1961

ipr-mus LD50:140 mg/kg CRSBAW 155,307,1961

ivn-mus LD50:38 mg/kg CRSBAW 155,307,1961

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

**TMK125 CAS: 76738-62-0 HR: 2
TRIMMIT**

mf: C₁₅H₂₀ClN₃O mw: 293.83

SYNS: CLIPPER □ CULTAR □ DUO XIAO ZUO □ ICI-PP 333 □ PACLOBUTRAZOL □ PARLAY □ PP 333 □ BONZI □ 1H-1,2,4-TRIAZOLE-1-ETHANOL, β-((4-CHLOROPHENYL)METHYL)-α-(1,1-DIMETHYLETHYL)-, (R*,R*)-(+/-)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1300 mg/kg PEMNDP 9,664,1991

ihl-rat LC50:369 g/m³/4H FMCHA2-C228,1991

skn-rat LD50:>1 g/kg PEMNDP 9,644,1991

orl-mus LD50:490 mg/kg PEMNDP 9,644,1991

orl-rbt LD50:840 mg/kg PEMNDP 9,644,1991

skn-rbt LD50:>1 g/kg PEMNDP 9,644,1991

orl-gpg LD50:400 mg/kg PEMNDP 9,644,1991

orl-dck LD50:>7900 mg/kg PEMNDP 9,644,1991

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

**TMK150 CAS: 16378-22-6 HR: 3
TRIMOL**

mf: C₂₂H₂₅N•ClH mw: 339.94

PROP: Crystals with bitter numbing taste. Mp: 253°.

SYNS: 3-(10,11-DIHYDRO-5H-DIBENZO(a,d)CYCLOHEPTEN-5-YLIDENE)-1-ETHYL-2-METHYL-PYRROLIDINE HYDROCHLORIDE □ PIROHEPTINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:600 mg/kg IYKEDH 4,467,73

ipr-rat LD50:100 mg/kg IYKEDH 4,467,73

scu-rat LD50:330 mg/kg NIIRDN 6,647,82

ivn-rat LD50:16 mg/kg IYKEDH 4,467,73

orl-mus LD50:127 mg/kg NIIRDN 6,647,82

ipr-mus LD50:78 mg/kg NIIRDN 6,647,82

scu-mus LD50:91 mg/kg NIIRDN 6,647,82

ivn-mus LD50:19 mg/kg IYKEDH 4,467,73

orl-dog LD50:195 mg/kg KSRNAM 6,941,72

ivn-dog LD50:12,500 µg/kg KSRNAM 6,941,72

orl-rbt LD50:383 mg/kg KSRNAM 6,941,72

ivn-rbt LD50:6200 µg/kg KSRNAM 6,941,72

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

**TMK200 CAS: 1636-70-0 HR: 2
TRINEOPHYLTIN ACETATE**

mf: C₃₂H₄₂O₂Sn mw: 577.43

SYNS: ACETOXYTRIS(β,β-DIMETHYLPHENETHYL)-STANNANE □ STANNANE, (ACETYLOXY)TRIS(2-METHYL-2-PHENYLPROPYL)- □ STANNANE, ACETOXYTRIS(β,β-DIMETHYLPHENETHYL)- □ TIN, ACETOXYTRIS(β,β-DIMETHYLPHENETHYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2570 mg/kg PHARAT 37,801,1982

ACGIH TLV: TWA 0.1 mg(Sn)/m³. STEL 0.2 mg/m³ (skin) Not classifiable as a human carcinogen

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

**TMK250 CAS: 630-72-8 HR: 3
TRINITROACETONITRILE**

mf: C₂N₄O₆ mw: 176.05

PROP: Crystal mass with camphoraceous odor. Mp: 41.5°.

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

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An explosive sensitive to friction, impact, or rapid heating to 220°C. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. See also NITRILES and NITRO COMPOUNDS.

**TMK300 CAS: 606-35-9 HR: D
2,4,6-TRINITROANISOLE**

mf: C₇H₅N₃O₇ mw: 243.15

SYNS: ANISOLE, 2,4,6-TRINITRO- □ BENZENE, 2-METHOXY-1,3,5-TRINITRO-(9CI) □ 2-METHOXY-1,3,5-TRINITROBENZENE □ METHYL PICRATE

TOXICITY DATA with REFERENCE:

mno-sat 102 nmol/plate MUREAV 136,209,84

mno-sat 408 nmol/plate MUREAV 136,209,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**TMK500 CAS: 99-35-4 HR: 3
1,3,5-TRINITROBENZENE**

DOT: UN 0214/UN 1354

mf: C₆H₃N₃O₆ mw: 213.12

PROP: Yellow crystals or dimorphic crystals from EtOH or HNO₃. Mp: 122°, bp: decomp, d: 1.760 @ 20°/4°.

SYNS: RCRA WASTE NUMBER U234 □ TNB □ TRINITROBENZEEN □ TRINITROBENZENE □ TRINITROBENZENE, dry or wetted with <30% water, by weight (UN 0214) (DOT) □ TRINITROBENZENE, wetted with not <30% water, by weight (UN 1354) (DOT) □ TRINITROBENZOL (GERMAN)

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate ENMUDM 2,531,80

mma-sat 10 µg/plate ENMUDM 2,531,80
 orl-rat LD50:275 mg/kg JACTDZ 1,169,92
 orl-mus LD50:572 mg/kg TNICS* 13,132,73
 ivn-mus LD50:32 mg/kg CSLNX* NX#00192
 orl-gpg LD50:730 mg/kg GISAAA 42(10),12,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D (UN 0214); DOT Class: 4.1; Label: Flammable Solid (UN 1354)

SAFETY PROFILE: Poison by ingestion and intravenous routes. Mutation data reported. A severe explosion hazard when shocked or exposed to heat. Trinitrobenzene is considered a powerful high explosive and has more shattering power than TNT. Although it is less sensitive to impact than TNT, it is not used much because it is difficult to produce. The complex with potassium trimethyl stannate explodes at room temperature. Forms heat-sensitive explosive complexes with alkyl or aryl metallates (e.g., lithium or potassium salts of trimethyl-, triethyl-, or triphenyl-germanate, -silanate, or -stannate). Can react vigorously with reducing materials. When heated to decomposition it emits highly toxic fumes of NO_x and explodes. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

TMK775 HR: 3
2,3,5-TRINITROBENZENEDIAZONIUM-4-OXIDE

mf: C₆HN₅O₇ mw: 255.10
 $\text{N}_2^+(\text{O}_2\text{N})_3\text{C}_6\text{HO}^-$

SAFETY PROFILE: Extremely explosive. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

TMK800 CAS: 2508-19-2 HR: 3
2,4,6-TRINITROBENZENESULFONIC ACID

mf: C₆H₃N₃O₉S mw: 293.17
SYNS: BENZENESULFONIC ACID, 2,4,6-TRINITRO- □ TNBS

TOXICITY DATA with REFERENCE:

rec-rat TDLo:70.6 mg/kg JPETAB 292,538,2000

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

TMK900 CAS: 3058-38-6 HR: 1
2,4,6-TRINITRO-1,3,5-BENZENETRIAMINE

mf: C₆H₆N₆O₆ mw: 258.18
SYNS: 1,3,5-BENZENETRIAMINE, 2,4,6-TRINITRO- □ S-TRIAMINOTRINITROBENZENE □ 1,3,5-TRIAMINO-2,4,6-TRINITROBENZENE □ TATB

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD NTIS** OTS0537049
 orl-rat LD :>5 g/kg NTIS** OTS0537049
 ihl-rat LC :>212 mg/m³/1H NTIS** OTS0537049
 orl-mus LD :>5 g/kg NTIS** UCRL-13701

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and inhalation. A mild eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

TML000 CAS: 129-66-8 HR: 3
TRINITROBENZOIC ACID (dry)

DOT: UN 0215/UN 1355

mf: C₇H₃N₃O₈ mw: 257.13

PROP: Orthorhombic or rhombohedral crystals from H₂O. Mp: 228.7°. Sol @ 25° (2.05% in water, 26.6% in alc, 14.7% in ether), sol in methanol; sltly sol in benzene.

SYNS: TRINITROBENZOIC ACID, dry or wetted with <30% water, by weight (UN 0215) (DOT) □ TRINITROBENZOIC ACID, wetted with not <30% water, by weight (UN 1355) (DOT)

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D (UN 0215); DOT Class: 4.1; Label: Flammable Solid (UN 1355)

SAFETY PROFILE: An explosive. A hazard in preparation. Reacts with heavy metals to form heat- or impact-sensitive explosive salts. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and EXPLOSIVES, HIGH.

TML100 CAS: 5029-46-9 HR: 3
4,4,4-TRINITROBUTYRIC ACID

mf: C₄H₅N₃O₈ mw: 223.12

SYNS: BA 2759 □ BUTANOIC ACID, 4,4,4-TRINITRO- □ BUTYRIC ACID, 4,4,4-TRINITRO- □ γ,γ,γ-TRINITROBUTYRIC ACID □ USAF SE-3

TOXICITY DATA with REFERENCE:

orl-rat LD50:708 mg/kg STGNBT-,134,1999
 ihl-rat LC :>30 mg/m³ STGNBT-,134,1999
 orl-mus LD50:728 mg/kg STGNBT-,134,1999
 ihl-mus LC :>30 mg/m³ STGNBT-,134,1999
 ipr-mus LD50:100 mg/kg NTIS** AD277-689

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

TML325 CAS: 28260-61-9 HR: 3
TRINITROCHLOROBENZENE

DOT: UN 0155

mf: C₆H₂ClN₃O₆ mw: 247.56

SYN: PICRYL CHLORIDE (DOT)

TOXICITY DATA with REFERENCE:

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

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D

SAFETY PROFILE: Mutation data reported. An explosive. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and EXPLOSIVES, HIGH.

TML500 CAS: 602-99-3 HR: 3
2,4,6-TRINITRO-m-CRESOL

mf: C₇H₅N₃O₇ mw: 243.15

PROP: Yellow crystals from EtOH. Mp: 109°, bp: explodes @ 150°.

SYNS: CRESYLITE □ 3-METHYL-2,4,6-TRINITROPHENOL □ TRINITRO-m-CRESOL □ TRINITRO-m-CRESOLIC ACID □ TRINITROMETACRESOL

SAFETY PROFILE: A poison. A severe explosion hazard when shocked or exposed to heat. Explodes when heated above 150°C. Trinitroresol is not as powerful a high explosive as TNT or picric acid. Can react vigorously with oxidizing materials. When heated to decomposition it emits highly toxic fumes of NO_x and explodes. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and EXPLOSIVES, HIGH.

TML750 CAS: 81-15-2 HR: 3
2,4,6-TRINITRO-1,3-DIMETHYL-5-tert-BUTYLBENZENE

DOT: UN 2956

mf: C₁₂H₁₅N₃O₆ mw: 297.30

PROP: Plates or needles from EtOH with strong musk odor. Mp: 112–113°.

SYNS: BENZENE, 1-tert-BUTYL-3,5-DIMETHYL-2,4,6-TRINITRO- □ 5-tert-BUTYL-2,4,6-TRINITROXYLENE □ 5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (DOT) □ MUSK XYLENE □ MUSK XYLENE (DOT) □ MUSK XYLOL □ 2,4,6-TRINITRO-3,5-DIMETHYL-tert-BUTYLBENZENE □ m-XYLENE, 5-tert-BUTYL-2,4,6-TRINITRO- □ XYLENE MUSK

TOXICITY DATA with REFERENCE:

skn-hmn 5 mg/48H MLD FCTXAV 13,881,75

orl-mus LD50:>4 g/kg FCTOD7 28,581,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 4.1; Label: Flammable Solid

SAFETY PROFILE: Low oral toxicity. A human skin irritant. A flammable solid. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

TMM000 CAS: 918-54-7 HR: 3
2,2,2-TRINITROETHANOL

mf: C₂H₃N₃O₇ mw: 181.08

PROP: Long needles. Mp: 72°, bp: 60–62° @ 2 mm.

SYN: TRINITROETHANOL (DOT)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:36 mg/kg KHFZAN 11(1),73,77

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Poison by intraperitoneal route. A shock-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS.

TMM250 CAS: 129-79-3 HR: 3
2,4,7-TRINITROFLUOREN-9-ONE

mf: C₁₃H₅N₃O₇ mw: 315.21

PROP: Pale-yellow needles from AcOH or C₆H₆. Mp: 176°.

SYNS: 2,4,7-TRINITRO-9-FLUORENONE □ 2,4,7-TRINITROFLUORENONE (MAK)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD EPASR* 8EHQ-0480-0339

eye-rbt 100 mg MLD EPASR* 8EHQ-0480-0339

mma-sat 10 µL/plate EPASR* 8EHQ-0280-0333

sce-hmn:lym 3 mg/L MUREAV 138,181,84

orl-rat LD50:9910 mg/kg PESTC* 8,4,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Suspected carcinogen with experimental tumorigenic data. Mildly toxic by ingestion. Human mutation data reported. A skin and eye irritant. When heated to decomposition it emits highly toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and KETONES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: see 2,4,7-Trinitrofluoren-9-one, 5018.

TMM500 CAS: 517-25-9 HR: 3
TRINITROMETHANE

mf: CHN₃O₆ mw: 151.05

PROP: Crystals. Mp: 15°, d: 1.469, bp: decomp >25°. Sol in water.

SYN: NITROFORM

TOXICITY DATA with REFERENCE:

orl-mus LDLo:300 mg/kg 85GMAT -,93,82

ihl-mus LC50:800 mg/m³/2H 85GMAT -,93,82

ipr-mus LD50:115 mg/kg KHFZAN 10(6),53,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by inhalation. Irritating to skin, eyes, and mucous membranes. Inhalation can cause headache and nausea. Causes mild narcosis. A very dangerous explosion hazard; explodes when heated rapidly. Dissolution is exothermic and solutions of more than 50% can explode. Mixtures of 90% trinitromethane + 10% isopropyl alcohol in polyethylene bottles have exploded. Frozen mixtures with 2-propanol (10%) explode when thawed. Can explode during distillation. Mixtures with divinyl ketone can explode at 4°C. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS.

TMM600 CAS: 2243-94-9 HR: 1
1,3,5-TRINITRONAPHTHALENE

mf: C₁₀H₅N₃O₆ mw: 263.18

SYN: NAPHTHALENE, 1,3,5-TRINITRO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden from transport. When heated to decomposition it emits acrid smoke and irritating vapors.

TMM610 CAS: 159092-76-9 HR: D
1,5,9-TRINITROPHENANTHRENE

mf: C₁₄H₇N₃O₆ mw: 313.24

SYN: PHENANTHRENE, 1,5,9-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

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

TMM615 CAS: 159092-79-2 HR: D
1,7,9-TRINITROPHENANTHRENE

mf: C₁₄H₇N₃O₆ mw: 313.24

SYN: PHENANTHRENE, 1,7,9-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**TMM618 CAS: 159092-80-5 HR: D
2,5,10-TRINITROPHENANTHRENE**mf: C₁₄H₇N₃O₆ mw: 313.24

SYN: PHENANTHRENE, 2,5,10-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**TMM620 CAS: 159092-81-6 HR: D
2,6,9-TRINITROPHENANTHRENE**mf: C₁₄H₇N₃O₆ mw: 313.24

SYN: PHENANTHRENE, 2,6,9-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**TMM635 CAS: 159092-85-0 HR: D
3,5,10-TRINITROPHENANTHRENE**mf: C₁₄H₇N₃O₆ mw: 313.24

SYN: PHENANTHRENE, 3,5,10-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**TMM638 CAS: 159092-84-9 HR: D
3,6,9-TRINITROPHENANTHRENE**mf: C₁₄H₇N₃O₆ mw: 313.24

SYN: PHENANTHRENE, 3,6,9-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**TMM775 CAS: 4328-17-0 HR: 3
TRINITROPHLOROGLUCINOL**mf: C₆H₃N₃O₉ mw: 261.10(O₂N)₃C₆(OH)₃**PROP:** Yellow needles from H₂O. Mp: 167°. Sol in hot H₂O.

SYN: 2,4,6-TRINITROBENZENE-1,3,5-TRIOL

SAFETY PROFILE: Probably an eye, skin, and mucous membrane irritant. A powerful oxidant. Explodes when heated. May react with metals to form explosive salts. Upon decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**TMN000 CAS: 75321-19-6 HR: 3
1,3,6-TRINITROPYRENE**mf: C₁₆H₇N₃O₆ mw: 337.26

SYN: TRINITROPYRENE

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate CRNGDP 3,917,82

msc-ham:lng 2500 µg/L CRNGDP 3,917,82

msc-ham:ovr 200 µg/L MUREAV 119,387,83

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans**SAFETY PROFILE:** Suspected carcinogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**TMN100 CAS: 158366-46-2 HR: D
1-(1,3,5-TRINITRO-1H-PYRROL-2-YL)-
ETHANONE**mf: C₆H₄N₃O₇ mw: 244.14SYNS: ETHANONE, 1-(1,3,5-TRINITRO-1H-PYRROL-2-YL)- □
1,3,5-TRINITRO-2-ACETILPYRROLE**TOXICITY DATA with REFERENCE:**

mic-sat 25 µL/g/plate FCTOD7 32,839,1994

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**TMN400 CAS: 610-25-3 HR: 3
2,4,5-TRINITROTOLUENE**mf: C₇H₅N₃O₆ mw: 227.15**PROP:** Yellow plates from Me₂CO. Mp: 104°.

SYN: 1-METHYL-2,4,5-TRINITROBENZENE

TOXICITY DATA with REFERENCE:

mmo-sat 10 µg/plate ENMUDM 4,163,82

mma-sat 10 µg/plate ENMUDM 4,163,82

scu-mus LD20:250 mg/kg 85GMAT -,117,82

SAFETY PROFILE: Poison by subcutaneous route. Mutation data reported. Reaction with sodium carbonate forms flammable and explosive products. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**TMN490 CAS: 118-96-7 HR: 3
2,4,6-TRINITROTOLUENE****DOT:** UN 0209/UN 1356mf: C₇H₅N₃O₆ mw: 227.15**PROP:** Colorless, monoclinic, rhombohedral crystals from EtOH. Mp: 82°, bp: 240° (explodes), flash p: explodes, d: 1.654. Sol in hot water, alc, ether. IDLH 500 mg/m³

SYNS: BENZENE, 2-METHYL-1,3,5-TRINITRO- □ ENTSUFON □ NCI-C56155 □ TNT (OSHA) □ α-TNT □ TNT, dry or wetted with <30% water, by weight (UN 0209) (DOT) □ TNT-TOLITE (FRENCH) □ TOLIT □ TOLITE □ 2,4,6-TRINITROTOLUENE (DUTCH) □ TRINITROTOLUENE □ TRINITROTOLUENE (UN 0209) (DOT) □ TRINITROTOLUENE, wetted with not <30% water, by weight (UN 1356) (DOT) □ s-TRINITROTOLUENE □ sym-TRINITROTOLUENE □ 2,4,6-TRINITROTOLUENE □ 2,4,6-TRINITROTOLUENE (ACGIH,OSHA) □ s-TRINITROTOLUOL □ sym-TRINITROTOLUOL □ 2,4,6-TRINITROTOLUOL (GERMAN) □ TRITOL □ TROJNITROTOLUEN (POLISH) □ TROTYL □ TROTYL OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-B011-150

mmo-sat 10 µg/plate NTIS** AD-A080-146

orl-hmn LDLo:28 g/kg:CNS,PUL,GIT 34ZIAG -,610,69

orl-rat LD50:795 mg/kg JTEHD6 9,565,82
 orl-mus LD50:660 mg/kg JTEHD6 9,565,82
 orl-cat LDLo:1850 mg/kg MRC SAB 58,32,21
 scu-cat LDLo:200 mg/kg MRC SAB 58,32,21
 orl-rbt LDLo:500 mg/kg MRC SAB 58,32,21
 scu-rbt LDLo:500 mg/kg MRC SAB 58,32,21

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

OSHA PEL: TWA 0.5 mg/m³ (skin)

ACGIH TLV: TWA 0.1 ppm

DFG MAK: 0.011 ppm (0.1 mg/m³); Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D (UN 0209); DOT Class: 4.1; Label: Flammable Solid (UN 1356)

SAFETY PROFILE: Suspected carcinogen. Poison by subcutaneous route. Moderately toxic by ingestion. Human systemic effects by ingestion: hallucinations or distorted perceptions, cyanosis, and gastrointestinal changes. Experimental reproductive effects. Mutation data reported. A skin irritant. Has been implicated in aplastic anemia. Can cause headache, weakness, anemia, liver injury. May be absorbed through skin.

Flammable or explosive when exposed to heat or flame. Moderate explosion hazard; will detonate under strong shock. It detonates at around 240°C but can be distilled safely under reduced pressure. It is a comparatively insensitive explosive. In small quantities it will burn quietly if not confined. However, sudden heating of any quantity will cause it to detonate; the accumulation of heat when large quantities are burning will cause detonation. In other respects it is one of the most stable of all high explosives, and there are but a few restrictions for its handling. It is for this reason, from the military standpoint, that TNT is quantitatively the most used. It requires a fall of 130 cm for a 2 kg weight to detonate it. It is one of the most powerful high explosives. It can be detonated by the usual detonators and blasting caps (at least a No. 6). For full efficiency, the use of a high-velocity initiator, such as tetryl, is required. TNT is one of those explosives containing an oxygen deficiency. In other words, the addition of products that are oxygen rich can enhance its explosive power. Also mono- and dinitrotoluene may be added for reduction of the temperature of the explosion and to make the explosion flashless. Various materials are added to TNT to make what are known as permissible explosives. TNT may be regarded as the equivalent of 40% dynamite and can be used underwater. It is also used in the manufacture of a detonator fuse known as cordeau detonant. For the military, TNT finds use in all types of bursting charges, including armor-piercing types, although it is somewhat too sensitive to be ideal for this purpose and has since been replaced to a great extent by ammonium picrate. It is a relatively expensive explosive and does not compete seriously with dynamite for general commercial use.

Highly dangerous; explodes with shock or heating to 297°C. Various materials can reduce the explosive temperature: red lead (to 192°C), sodium carbonate (to 218°C), potassium hydroxide (to 192°C). Mixtures with sodium dichromate + sulfuric acid may ignite spontaneously. Reacts with nitric acid + metals (e.g., lead

or iron) to form explosive products more sensitive to shock, friction, or contact with nitric or sulfuric acids. Reacts with potassium hydroxide dissolved in methanol to form explosive aci-nitro salts. Bases (e.g., sodium hydroxide, potassium iodide, tetramethyl ammonium octahydrotriborate) induce deflagration in molten TNT. Can react vigorously with reducing materials. When heated to decomposition it emits highly toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and EXPLOSIVES, HIGH.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #44.

TMN550 CAS: 603-15-6 HR: D
3,4,5-TRINITROTOLUENE

mf: C₇H₅N₃O₆ mw: 227.15

SYNS: BENZENE, 5-METHYL-1,2,3-TRINITRO- □ TOLUENE, 3,4,5-TRINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 500 ng/plate ENMUDM 4,163,1982

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

TMN750 CAS: 5337-41-7 HR: 1
TRIOCTADECYL BORATE

mf: C₅₄H₁₁₁BO₃ mw: 819.46

PROP: White solid slowly hydrolyzed by moisture; odor of stearyl alc. Mp: 41–44°, bp: 339–343° @ 0.3 mm.

SYNS: BORIC ACID, TRIOCTADECYL ESTER □ BORIC ACID, TRISTEARYL ESTER □ TRISTEARYL BORATE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD 14KTAK -,693,64

orl-mus LD50:6200 mg/kg 14KTAK -,693,64

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS and 1-OCTADECANOL.

TMO000 CAS: 538-23-8 HR: 3
TRIOCTANOIN

mf: C₂₇H₅₀O₆ mw: 470.77

PROP: Crystals from Me₂CO/EtOH. Mp: 10°.

SYNS: CAPRYLIC ACID TRIGLYCERIDE □ GLYCEROL TRICAPRYLATE □ GLYCEROL TRIOCTANOATE □ GLYCERYL TRIOCTANOATE □ MCT □ OCTANOIC ACID, 1,2,3-PROPANETRIYL ESTER □ OCTANOIC ACID TRIGLYCERIDE □ RATO □ TRICAPRYLIC GLYCERIDE □ TRICAPRYLIN □ TRIOCTANOYLGLYCEROL

TOXICITY DATA with REFERENCE:

orl-rat LD50:33,300 mg/kg OYAA2 4,871,70

ipr-rat LD50:50 mg/kg NCIUS* PH 43-64-886,SEPT,65

ivn-rat LDLo:4 g/kg OYAA2 4,871,70

orl-mus LD50:29,600 mg/kg OYAA2 4,871,70

ivn-mus LD50:3700 mg/kg APSCAX 40,338,57

ipr-rbt LDLo:3400 mg/kg JNCIAM 54,1439,75

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by intravenous route. Mildly toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

TMO500 CAS: 24848-81-5 HR: 2
TRI(2-OCTYL)BORATEmf: $C_{24}H_{51}BO_3$ mw: 398.56**PROP:** Colorless liquid; odor of 2-octanol. Bp: 340–349°, flash p: 330°F (COC), d: 0.837 @ 24.5°, vap d: 13.8.**SYN:** BORIC ACID, TRIS(1-METHYLHEPTYL) ESTER**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MLD 14KTAK -,693,64

orl-mus LD50:3300 mg/kg 14KTAK -,693,64

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See BORON COMPOUNDS and ESTERS.**TMO550 CAS: 2467-12-1 HR: 2**
TRI-n-OCTYL BORATEmf: $C_{24}H_{51}BO_3$ mw: 398.56**PROP:** Colorless moisture-sensitive liquid; odor of octyl alc. Bp: 182–184° @ 0.5 mm, flash p: 370°F (COC), d: 0.846 @ 23°, vap d: 13.7. Sol in non-hydroxylic solvs.**SYN:** BORIC ACID, TRI-n-OCTYL ESTER**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MOD 14KTAK -,693,64

orl-mus LD50:1290 mg/kg 14KTAK -,693,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and BORON COMPOUNDS.**TMO575 CAS: 78-50-2 HR: 2**
TRI-N-OCTYLPHOSPHINE OXIDEmf: $C_{24}H_{51}OP$ mw: 386.72**SYNS:** CYANEX 921 □ HOSTAREX PX 324 □ PHOSPHINE OXIDE, TRIOCTYL- □ TOPO □ TRIOCTYLPHOSPHINE OXIDE**TOXICITY DATA with REFERENCE:**skn-rbt 500 μ L/24H MOD NTIS** OTS0534743

eye-rbt 100 mg/24H SEV NTIS** OTS0572000

SAFETY PROFILE: A severe eye and moderate skin irritant. When heated to decomposition it emits toxic vapors of PO_x .**TMO585 CAS: 2587-76-0 HR: 2**
TRI-N-OCTYLTIN CHLORIDEmf: $C_{24}H_{51}ClSn$ mw: 493.89**SYNS:** CHLOROTRIOCTYLSTANNANE □ CHLOROTRIOCTYLtin □ STANNANE, CHLOROTRIOCTYL- □ tin, CHLOROTRIOCTYL- □ TRIOCTYLtin CHLORIDE □ TRIOCTYLtin CHLORIDE (6 Cl)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4000 mg/kg USXXAM #5484955

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of Sn and Cl.**TMO600 CAS: 78-30-8 HR: 3**
TRIORTHOCRESYL PHOSPHATEmf: $C_{21}H_{21}O_4P$ mw: 368.39**PROP:** Colorless liquid. Mp: –25 to –30°, bp: 410° (slt decomp), flash p: 437°F, d: 1.17, autoign temp: 725°F, vap d: 12.7. Insol in water; sol in alc and ether. IDLH 40 mg/ m^3 .**SYNS:** o-CRESYL PHOSPHATE □ PHOSFLEX 179-C □ PHOSPHORIC ACID, TRI-o-CRESYL ESTER □ PHOSPHORIC ACID, TRIS(2-METHYLPHENYL) ESTER □ TOCP □ TOFK □ o-TOLYL PHOSPHATE □ TOTP □ TRICRESYL PHOSPHATE □ TRI-o-CRESYL PHOSPHATE □ o-TRIKRESYLPHOSPHATE (GERMAN) □ TRI-2-METHYLPHENYL PHOSPHATE □ TRIS(o-CRESYL)-PHOSPHATE □ TRIS(o-METHYLPHENYL)PHOSPHATE □ TRIS(o-TOLYL)-PHOSPHATE □ TRI-o-TOLYL PHOSPHATE □ TRI-2-TOLYL PHOSPHATE □ TROJKREZYLU FOSFORAN (POLISH)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1160 mg/kg TOXID9 4,55,84

ipr-rat LD50:2500 mg/kg APCRAW 4,117,61

scu-mus LDLo:12,500 mg/kg EDWU** -,37

scu-dog LDLo:100 mg/kg AEPPAE 168,473,32

scu-cat LDLo:185 mg/kg JHHBAI 52,39,33

ipr-rbt LDLo:100 mg/kg AEPPAE 168,473,32

scu-rbt LDLo:100 mg/kg AEPPAE 168,473,32

ivn-rbt LDLo:100 mg/kg AEPPAE 168,473,32

ims-rbt LDLo:135 mg/kg AEPPAE 171,439,33

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 0.1 mg/ m^3 (skin)**ACGIH TLV:** TWA 0.1 mg/ m^3 (skin); Not Classifiable as a Human Carcinogen**SAFETY PROFILE:** Poison by subcutaneous, intramuscular, intravenous, and intraperitoneal routes. Moderately toxic by ingestion. Most of the cases of tri-o-cresyl phosphate poisoning have followed its ingestion. In 1930, some 15,000 persons were affected in the United States, and of these, 10 died. The responsible material was found to be an alcoholic drink known as Jamaica ginger, or "jake." This beverage had been adulterated with about 2% of tri-o-cresyl phosphate. The affected persons developed a polyneuritis, which progressed, in many cases, with degeneration of the peripheral motor nerves, the anterior horn cells, and the pyramidal tracts. Sensory changes were absent. Since 1930 there have been several other outbreaks of poisoning following ingestion of the material. Tri-o-cresyl phosphate is more toxic than the m-form, and much more so than tri-p-cresyl phosphate or triphenyl phosphate. Experimental reproductive effects.Combustible when exposed to heat or flame. Can react with oxidizing materials. To fight fire, use CO_2 , dry chemical. When heated to decomposition it emits highly toxic fumes of PO_x . See also PHOSPHATES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Triorthocresyl Phosphate, S209.**TMO750 CAS: 283-60-3 HR: 3**
2,8,9-TRIOXA-5-AZA-1-SILABICYCLO(3.3.3)-

UNDECANE

mf: $C_6H_{13}NO_3Si$ mw: 175.29

PROP: Crystals from $CHCl_3$. Mp: 252–256°.

SYN: SILATRANE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:100 mg/kg RCRVAB 38(12),975,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TMO775 CAS: 81781-28-4 HR: 3 TRIOXACARCIN C

mf: $C_{42}H_{54}O_{20}$ mw: 878.96

PROP: Yellow powder from $2H_2O$. Mp: 181–182° (decomp).

SYNS: DC-45-B2 □ 7"-DEOXY-7"-HYDROXY-TRIOXACARCIN A

TOXICITY DATA with REFERENCE:

dni-mus:lym 139 nmol/L JANTAJ 36,1216,83

oms-mus:lym 139 nmol/L JANTAJ 36,1216,83

ipr-mus LD50:1 mg/kg JANTAJ 36,1216,83

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits acid smoke and irritating fumes.

TMP000 CAS: 110-88-3 HR: 3 s-TRIOXANE

mf: $C_3H_6O_3$ mw: 90.09



PROP: Crystals or solid from Et_2O . Stable, cyclic trimer of formaldehyde, having characteristic ethanol- and chloroform-like odors. Mp: 64°, bp: 114.5°, subl readily, lel: 3.6%, uel: 28.7%, flash p: 113°F (OC), d: 1.17 @ 65°, autoign temp: 777°F, vap press: 13 mm @ 25°, vap d: 3.1. Very sol in water, alc, ketones, ether, acetone, chlorinated and aromatic hydrocarbons, org solvs; sltly sol in pentane, pet ether.

SYNS: POLYOXYMETHYLENE □ TRIOSSIMETELENE (ITALIAN) □ TRIOXANE □ sym-TRIOXANE □ 1,3,5-TRIOXANE □ TRIOXYMETHYLEEN (DUTCH) □ TRIOXYMETHYLEN (GERMAN) □ TRIOXYMETHYLENE

TOXICITY DATA with REFERENCE:

dnd-rat-ipr 425 mg/kg STBIBN 107,205,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. Can evolve toxic formaldehyde fumes when heated strongly or in contact with strong acids or acid fumes. Flammable liquid when exposed to heat, flame, or oxidizers. May explode when heated. Explosive in the form of vapor when exposed to heat or flame. Explodes on impact, possibly due to peroxide contamination. Mixtures with hydrogen peroxide are explosives sensitive to heat, shock, or contact with lead. Mixtures with liquid oxygen are highly explosive. Incompatible with oxidizing materials. To fight fire, use foam, CO_2 , or dry chemical. When heated to decomposition it emits acid smoke and irritating fumes. See also FORMALDEHYDE.

TMP175 CAS: 68307-81-3 HR: D TRIOXIFENE MESYLATE

mf: $C_{30}H_{31}NO_3 \cdot CH_4O_3S$ mw: 549.73

PROP: A solid. Mp: 171.5–172.5°.

SYNS: LILLY COMPOUND LY133314 □ LY133314

TOXICITY DATA with REFERENCE:

dni-hmn:mmr 100 mmol/L CNREA8 45,1611,85

SAFETY PROFILE: Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x . See also KETONES.

TMP250 CAS: 752-58-9 HR: 3 (2,4,6-TRIOXO)-s-TRIAZINETRIYLTRIS(TRIBUTYLSTANNANE)

mf: $C_{39}H_{81}N_3O_3Sn_3$ mw: 996.30

SYN: 1,3,5-TRIS(TRIBUTYL TIN)-s-TRIAZINE-2,4,6-TRIONE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:5 mg/kg CSLNX* NX#03567

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. When heated to decomposition it emits toxic fumes of NO_x . See also TIN COMPOUNDS.

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

TMP500 CAS: 78-41-1 HR: 2 TRIPARANOL

mf: $C_{27}H_{32}ClNO_2$ mw: 438.05

PROP: Crystals. Mp: 102–104°. Sol in alc; sltly sol in olive oil; practically insol in water.

SYNS: α-(p-CHLOROBENZYL)-4-DIETHYLAMINOETHOXY-4'-METHYLBENZHYDROL □ 2-(p-CHLOROPHENYL)-1-(p-(β-DIETHYLAMINOETHOXY)PHENYL)-1-(p-TOLYL)ETHANOL □ 2-p-CHLOROPHENYL-1-(p-(2-DIETHYLAMINOETHOXY)-PHENYL)-1-p-TOLYLETHANOL □ 1-(p-(β-DIETHYLAMINOETHOXY)PHENYL)-1-(p-TOLYL)-2-(p-CHLOROPHENYL)-ETHANOL □ 1-(4-(2-(DIETHYLAMINO)ETHOXY)PHENYL)-1-(p-TOLYL)-2-(p-CHLOROPHENYL)ETHANOL □ MER 29 □ METASQUALENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg CRSBAW 155,2255,61

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and Cl_2 .

TMP750 CAS: 91-81-6 HR: 3 TRIPLENNAMINE

mf: $C_{16}H_{21}N_3$ mw: 255.40

PROP: Oily liquid; amine odor. Bp: 185–190° @ 0.1 mm. Freely sol in water and alc; sltly sol in ether; practically insol in benzene and chloroform.

SYNS: BENZOXALE □ 2-(BENZYL(2-DIMETHYLAMINOETHYL)AMINO)PYRIDINE □ N-BENZYL-N',N'-DIMETHYL-N-2-PYRIDYLETHYLENE DIAMINE □ BENZYL-(α-PYRIDYL)-DIMETHYLAETHYLENDIAMIN (GERMAN) □ CIZARON □ DEHISTIN □ β-DIMETHYLAMINO ETHYL-2-

PYRIDYLAMINOTOLUENE □ β -DIMETHYLAMINOETHYL-2-PYRIDYLBENZYLAMINE □ N,N-DIMETHYL-N'-BENZYL-N'-(α -PYRIDYL)ETHYLENEDIAMINE □ NCI-C60662 □ PBZ □ PIRIBENZIL □ PYRIBENZAMINE □ PYRINAMINE BASE □ RESISTAMINE □ TONARIL □ TRIPELENAMINE □ TRIPELENNAMINA (ITALIAN)

TOXICITY DATA with REFERENCE:

dnd-hmn:lvrr 33 μ mol/L MUREAV 173,229,86
 dns-hmn:lvrr 10 μ mol/L MUREAV 173,229,86
 ipr-rat LDLo:37 mg/kg TXAPA9 1,156,59
 orl-mus LD50:152 mg/kg ARZNAD 7,237,57
 ipr-mus LD50:43 mg/kg ARZNAD 7,237,57
 ipr-gpg LD50:64 mg/kg THERAP 28,767,73

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human mutation data reported. Has been implicated in aplastic anemia. Used as an antihistamine. Addicts have added it to paregoric to make "blue velvet," which can cause euphoria by injection. When heated to decomposition it emits toxic fumes of NO_x.

TMQ000 CAS: 621-78-3 HR: 2
TRI-*n*-PENTYL BORATE

mf: C₁₅H₃₃BO₃ mw: 272.29

PROP: Moisture-sensitive liquid. D: 0.852 @ 27°/4°, bp: 146–148° @ 16 mm. Sol in non-hydroxylic solvs.

SYNS: BORIC ACID, TRI-*n*-AMYL ESTER □ BORIC ACID, TRI-*n*-PENTYL ESTER □ TRI-*n*-AMYL BORATE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD 14KTAK -,693,64
 orl-mus LD50:1240 mg/kg 14KTAK -,693,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also BORON COMPOUNDS and ESTERS.

TMQ250 CAS: 6304-33-2 HR: 3
2,3,3-TRIPHENYLACRYLONITRILE

mf: C₂₁H₁₅N mw: 281.37

SYNS: α,β -DIPHENYLCINNAMONITRILE □ α -(DIPHENYL-METHYLENE)BENZENEACETIC ACID □ TRIPHENYLACRYLONITRILE □ α,β -TRIPHENYLACRYLONITRILE □ TRIPHENYLCYANOETHYLENE

TOXICITY DATA with REFERENCE:

scu-mus TDLo:94 mg/kg/26W-I:CAR MMJJAI 11,95,61
 orl-rat LD50:284 mg/kg TXAPA9 14,340,69
 ivn-mus LD50:180 mg/kg CSLNX* NX#04868

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

SAFETY PROFILE: Poison by ingestion and intravenous routes. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

TMQ500 CAS: 603-34-9 HR: 2
TRIPHENYLAMINE

mf: C₁₈H₁₅N mw: 245.34

PROP: Monoclinic crystals from EtOAc. D: 0.774 @ 0°/0°, mp: 127°, bp: 195–205° @ 10–22 mm.

SYN: N,N-DIPHENYLANILINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3200 mg/kg 85INA8 5,612,86
 orl-mus LD50:1600 mg/kg 85INA8 5,612,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 mg/m³

ACGIH TLV: TWA 5 mg/m³

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x. See also AROMATIC AMINES.

TMQ550 CAS: 4756-75-6 HR: 3
TRIPHENYLANTIMONY OXIDE

mf: C₁₈H₁₅OSb mw: 369.08

PROP: Crystals.

SYN: STIBINE OXIDE, TRIPHENYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#01710

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) 10H TWA 0.5 mg(Sb)/m³

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

TMQ600 CAS: 3958-19-8 HR: 3
TRIPHENYL ANTIMONY SULFIDE

mf: C₁₈H₁₅SSb mw: 385.14

PROP: Crystals or monoclinic needles from EtOH. Mp: 120°. Very sol in C₆H₆, CHCl₃, HOAc; sol in EtOH; sltly sol in Et₂O and pet ether.

SYN: STIBINE SULFIDE, TRIPHENYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#02058

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) 10H TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of SO_x and Sb.

TMR000 CAS: 612-71-5 HR: 2
1,3,5-TRIPHENYLBENZENE

mf: C₂₄H₁₈ mw: 306.42

PROP: Rhombic crystals or needles from AcOH. D: 1.205, mp: 170–171°C. Very sol in benzene; sol in abs alc, ether.

SYNS: 5'-PHENYL-*m*-TERPHENYL □ TRIPHENYLBENZENE □ sym-TRIPHENYLBENZENE

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

TMR250 CAS: 603-33-8 HR: 3
TRIPHENYLBISMUTHINE

mf: C₁₈H₁₅Bi mw: 440.31

PROP: Monoclinic crystals from EtOH. Mp: 78°, bp: 242° @ 14 mm, d: 1.585.

SYN: TRIPHENYLBISMUTH

TOXICITY DATA with REFERENCE:

orl-mus LDLo:320 mg/kg AECTCV 14,111,85
 ipr-mus LDLo:250 mg/kg CBCCT* 4,317,52
 ivn-mus LD50:180 mg/kg CSLNX* NX#01712

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits toxic fumes of Bi. See also BISMUTH COMPOUNDS.

TMR300 CAS: 960-71-4 HR: 2**TRIPHENYLBORANE**

mf: C₁₈H₁₅B mw: 242.14

SYNS: BORINE, TRIPHENYL □ TRIPHENYLBORINE □ TRIPHENYLBORON

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL/24H SEV NTIS** OTS0571505

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic vapors of B.

TMR500 CAS: 1095-03-0 HR: 3**TRIPHENYL BORATE**

mf: C₁₈H₁₅BO₃ mw: 290.14

PROP: White to pink solid or crystals from CH₂Cl₂, odor of phenol, slowly hydrolyzed by water. Mp: 89–93°, bp: 155–158° @ 0.05 mm.

SYN: PHENYL BORATE

TOXICITY DATA with REFERENCE:

eye-rbt 5 mg SEV 14KTAK -,706,64

orl-mus LD50:200 mg/kg 14KTAK -,706,64

SAFETY PROFILE: Poison by ingestion. A severe eye irritant. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. Reacts with water or steam to form toxic fumes of phenol. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes. See also PHENOL and BORON COMPOUNDS.

TMR750 CAS: 63732-31-0 HR: 2**TRIPHENYLCYCLOHEXYL BORATE**

mf: C₃₆H₄₅BO₃ mw: 536.62

SYN: BORIC ACID, TRIS(PHENYLCYCLOHEXYL) ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 5 mg SEV 14KTAK -,693,64

orl-mus LD50:1240 mg/kg 14KTAK -,693,64

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

TMS000 CAS: 217-59-4 HR: 2**TRIPHENYLENE**

mf: C₁₈H₁₂ mw: 228.30

PROP: Long needles from alc or chloroform; solns have blue fluorescence. Subl; d: 1.302, Mp: 199°; bp: 425°.

SYNS: 9,10-BENZOPHENANTHRENE □ BENZO(1)PHENANTHRENE □ 9,10-BENZPHENANTHRENE □ 1,2,3,4-DIBENZNAPHTHALENE □ ISOCHRYSENE

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/L CNREA8 40,1985,80

mno-sat 100 mg/L/72H FCTXAV 17,141,79

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 32,447,83.

SAFETY PROFILE: Questionable carcinogen.

Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

TMS100 CAS: 1733-63-7 HR: 3**1,2,2-TRIPHENYLETHANONE**

mf: C₂₀H₁₆O mw: 272.36

SYNS: ACETOPHENONE, 2,2-DIPHENYL-(6Cl,7Cl,8Cl) □ BENZHYDRYL PHENYL KETONE □ DIPHENYLACETOPHENONE □ ω,ω-DIPHENYLACETOPHENONE □ 2,2-DIPHENYLACETOPHENONE □ ETHANONE, 1,2,2-TRIPHENYL- □ PHENYL BENZHYDRYL KETONE □ α-PHENYLDEOXYBENZON

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 mg/kg KHFZAN 21,1326,87

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

TMS250 CAS: 58-72-0 HR: 2**TRIPHENYLETHYLENE**

mf: C₂₀H₁₆ mw: 256.36

PROP: Crystals from EtOH or AcOH. Mp: 72–73°, bp: 220–221° @ 14 mm.

SYN: 1,1,2-TRIPHENYLETHYLENE

TOXICITY DATA with REFERENCE:

scu-mus TD:7200 mg/kg/36W-I:ETA,REP CNREA8 3,92,43

scu-mus TD:4800 mg/kg/40W-I:ETA,REP JPBA7 56,15,44

scu-mus TD:4920 mg/kg/41W-I:ETA,REP JPBA7 54,149,42

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

TMS500 CAS: 101-01-9 HR: 3**TRIPHENYLGUANIDINE**

mf: C₁₉H₁₇N₃ mw: 287.39

PROP: Plates or crystals from EtOH. Mp: 143°. Sltly sol in benzene; sol in alc, ether.

SYN: N,N',N"-TRIPHENYLGUANIDINE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:250 mg/kg NCNSA6 5,15,53

ivn-mus LD50:56 mg/kg CSLNX* NX#01711

orl-mam LDLo:350 mg/kg JIDHAN 13,87,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TMS750 CAS: 484-47-9 HR: 3

2,4,5-TRIPHENYLIMIDAZOLE**PROP:** A solid. Mp: 275–276°. Sol in EtOH.**SYN:** LOPHINE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:100 mg/kg CSLNX* NX#04415

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x.**TMT000 CAS: 1162-06-7 HR: 3****TRIPHENYLLEAD ACETATE**mf: C₂₀H₁₈O₂Pb mw: 497.57**PROP:** Crystals from EtOH. Mp: 206–207°.**SYNS:** ACETOXYTRIPHENYLLEAD □ (ACETYLOXY)-TRIPHENYLPLUMBANE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:200 mg/kg BIJOAK 127,24P,72

ipr-rat LD50:2800 µg/kg JJATDK 1,247,81

ivn-rat LD50:5 mg/kg JJATDK 1,247,81

CONSENSUS REPORTS: Lead and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.**TMT250 CAS: 27679-98-7 HR: 3**
TRIPHENYL LEAD(1+) HEXAFLUOROSILICATE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:100 mg/kg NCNSA6 5,30,53

CONSENSUS REPORTS: Lead and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits very toxic fumes of Pb and F⁻. See also LEAD COMPOUNDS.**TMT500 CAS: 3695-77-0 HR: 3****TRIPHENYLMETHANETHIOL**mf: C₁₉H₁₆S mw: 276.41**PROP:** Mp: 104–106°.**SYN:** TRITYLTHIOL**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#04016

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES.**TMT750 CAS: 115-86-6 HR: 3****TRIPHENYL PHOSPHATE**mf: C₁₈H₁₅O₄P mw: 326.30**PROP:** Colorless, odorless, crystalline solid or prisms from EtOH or EtOH/pet ether. Mp: 49–50°, bp: 245° @ 11 mm, flash p: 428°F (CC), d: 1.268 @ 60°, vap press: 1 mm @ 193.5°. Insol in water; sol in alc, benzene, ether, chloroform, and acetone. IDLH 1000 mg/m³.**SYNS:** CELLUFLEX TPP □ PHOSPHORIC ACID, TRIPHENYL ESTER □ TPP**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3800 mg/kg DTLVS* 4,420,80

orl-mus LD50:1320 mg/kg DTLVS* 4,420,80

scu-mky LDLo:500 mg/kg DTLVS* 4,420,80

scu-cat LD50:100 mg/kg 14CYAT 2,1916,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 3 mg/m³**ACGIH TLV:** TWA 3 mg/m³; Not Classifiable as a Human Carcinogen**SAFETY PROFILE:** Poison by subcutaneous route. Moderately toxic by ingestion. Absorbed slowly, particularly by skin contact. Not a potent cholinesterase inhibitor. Combustible when exposed to heat or flame. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits toxic fumes of PO_x. See also TRITOLYL PHOSPHATE.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Triphenyl Phosphate, S210.**TMU000 CAS: 603-35-0 HR: 2****TRIPHENYLPHOSPHINE**mf: C₁₈H₁₅P mw: 262.30**PROP:** Odorless crystals, plates, or prisms from Et₂O. Mp: 79°, bp: >360°, d: 1.194, flash p: 356°F (OC), vap d: 9.0. Insol in water; sol in HCl, benzene; sltly sol in alc; very sol in ether.**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,1114,86

eye-rbt 500 mg/24H MLD 85JCAE -,1114,86

orl-rat LD50:700 mg/kg EPASR* 8EHQ-0384-0014

ihl-rat LC50:1135 ppm/4H AIHAM* -,5,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Mildly toxic by inhalation. A skin and eye irritant. Combustible when exposed to heat or flame. Slight explosion hazard in the form of vapor when exposed to flame. Can react vigorously with oxidizing materials. To fight fire, use dry chemical, fog, CO₂. When heated to decomposition it emits highly toxic fumes of phosphine and PO_x. See also PHOSPHINE and PHENOL.**TMU100 CAS: 3878-45-3 HR: 3****TRIPHENYLPHOSPHINE MONOSULFIDE**mf: C₁₈H₁₅PS mw: 294.36**SYNS:** PHOSPHINE SULFIDE, TRIPHENYL- □ TRIPHENYL-PHOSPHINE SULFIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#05727

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of PO_x and SO_x.**TMU250 CAS: 101-02-0 HR: 3****TRIPHENYL PHOSPHITE**mf: C₁₈H₁₅O₃P mw: 310.30**PROP:** Water-white to pale-yellow solid or oily liquid; clean and pleasant odor. D: 1.184 @ 25°/25°, mp: 21–23°, bp: 183–184° @ 0.1 mm, flash p: 425°F (OC). Insol in water.

SYNS: EFED □ PHOSPHOROUS ACID, TRIPHENYL ESTER □ TRIFENOXYFOSFIN (CZECH) □ TRIFENYLFOSEFIT (CZECH)

TOXICITY DATA with REFERENCE:

skn-hmn 125 mg/48H SEV AMIHBC 5,311,52
 skn-rbt 500 mg SEV AMIHBC 5,311,52
 skn-rbt 500 mg/24H MOD 28ZPAK -,205,72
 eye-rbt 500 mg/24H MLD 28ZPAK -,205,72
 orl-rat LD50:1600 mg/kg 14CYAT 2,1918,63
 scu-rat LDLo:2000 mg/kg JPETAB 49,78,33
 orl-mus LD50:1333 mg/kg GTPZAB 17(10),38,73
 ipr-mus LD50:1167 mg/kg GTPZAB 17(10),38,73
 scu-cat LDLo:300 mg/kg JPETAB 49,78,33
 orl-ckn LDLo:1000 mg/kg JPETAB 49,78,33
 ipr-mam LD50:250 mg/kg AMIHBC 5,311,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Moderately toxic by ingestion. An experimental eye and severe human skin irritant. Combustible when exposed to heat or flame. To fight fire, use CO₂, mist, dry chemical. When heated to decomposition it emits toxic fumes of PO_x. See also PHENOL.

TMU300 CAS: 3049-24-9 HR: 2
TRIPHENYL PHOSPHONATE

mf: C₁₈H₁₅O₃P mw: 310.30

SYNS: BENZENEPHOSPHONIC ACID, DIPHENYL ESTER □ DIPHENYL BENZENEPHOSPHONATE □ DIPHENYL PHENYLPHOSPHONATE □ PHOSPHONIC ACID, PHENYL-, DIPHENYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD :>1250 mg/kg CBCT* 2,55,50

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

TMU750 CAS: 78218-49-2 HR: 3
1,3,4-TRIPHENYLPYRAZOLE-5-ACETIC ACID SODIUM SALT

mf: C₂₃H₁₇N₃O₂•Na mw: 376.41

TOXICITY DATA with REFERENCE:

orl-rat LD50:13 mg/kg AIPTAK 238,305,79
 orl-mus LD50:215 mg/kg AIPTAK 238,305,79

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

TMU775 CAS: 6158-73-2 HR: D
TRIPHENYLSELENIUM CHLORIDE

mf: C₁₈H₁₅Se•Cl mw: 345.74

SYN: SELENIUM, TRIPHENYL-, CHLORIDE

TOXICITY DATA with REFERENCE:

dni-mus-mmrl 20 µmol/L CRNGDP 16,513,95

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Se and Cl₂.

TMU800 CAS: 76-86-8 HR: 3
TRIPHENYLSILYL CHLORIDE

mf: C₁₈H₁₅ClSi mw: 294.87

SYNS: CHLOROTRIPHENYLSILANE □ SILANE, CHLORO-TRIPHENYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#04717

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic vapors of Cl₂.

TMV000 CAS: 910-06-5 HR: 3
TRIPHENYLSTANNYL BENZOATE

mf: C₂₅H₂₀O₂Sn mw: 471.15

SYNS: BENZOYLOXYTRIPHENYLSTANNANE □ TRIPHENYLTIN BENZOATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#02984

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. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS and ESTERS.

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

TMV250 CAS: 603-36-1 HR: 3
TRIPHENYL STIBINE

mf: C₁₈H₁₅Sb mw: 353.08

PROP: Crystals or prisms from EtOH, pet ether, or Me₂CO (aq). Mp: 53–57°, d: 1.4343 @ 25°, bp: >360°. Water-insol; sol in org solvs.

SYN: TRIPHENYLANTIMONY

TOXICITY DATA with REFERENCE:

orl-rat LD50:183 mg/kg MarJV# 29MAR77

ipr-rat LD50:168 mg/kg AMRI** TR-74-78,74

orl-mus LD50:650 mg/kg AMRI** TR-74-78,74

ipr-mus LDLo:500 mg/kg CBCT* 6,229,54

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Flammable when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use water, foam, mist. When heated to decomposition it emits toxic fumes of Sb. See also ANTIMONY COMPOUNDS.

TMV500 CAS: 298-96-4 HR: 3
2,3,5-TRIPHENYL-2H-TETRAZOLIUM CHLORIDE

mf: C₁₉H₁₅N₄•Cl mw: 334.83

PROP: Long, colorless needles from CHCl₃. Mp: 243° (decomp). Sol in water, alc, acetone; insol in ether.

SYNS: PTB □ RED TETRAZOLIUM □ TETRZOLIUM CHLORIDE □ TPTZ □ TT □ TTC □ UROCHECK □ UROSCREEN □ VITASTAIN

TOXICITY DATA with REFERENCE:

ivn-mus LD50:5600 µg/kg CSLNX* NX#00925

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TMV750 CAS: 7224-23-9 HR: 3
TRIPHENYLTHIOCYANATOSTANNANE

mf: C₁₉H₁₅NSSn mw: 408.10

SYNS: THIOCYANIC ACID, TRIPHENYLSTANNYL ESTER □ TRIPHENYL TIN THIOCYANATE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:100 mg/kg NCNSA6 5,46,53

ivn-mus LD50:56 mg/kg CSLNX* NX#04262

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 intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and CN⁻. See also THIOCYANATES, TIN COMPOUNDS, and ESTERS.

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

TMV775 CAS: 892-20-6 HR: 3
TRIPHENYLTIN

mf: C₁₈H₁₅Sn mw: 351.03

PROP: A solid or liquid. Mp: 29–29.5°, bp: 177.5–178.5° @ 0.15 mm.

SYNS: TRIPHENYLSTANNANE □ TRIPHENYLSTANNYL HYDRIDE □ TRIPHENYLTIN HYDRIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:491 mg/kg 34ZIAG -,591,69

ipr-rat LD50:8500 µg/kg 34ZIAG -,591,69

orl-mus LD50:81 mg/kg 34ZIAG -,591,69

ipr-mus LD50:7900 µg/kg 34ZIAG -,591,69

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

TMV800 CAS: 2847-65-6 HR: 3
TRIPHENYLTIN p-ACETAMIDO BENZOATE

mf: C₂₇H₂₃NO₃Sn mw: 528.20

SYN: STANNANE, ((p-ACETAMIDO BENZOYL)OXY)-TRIPHENYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#02971

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

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

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

TMV825 CAS: 73927-89-6 HR: 3
TRIPHENYLTIN CYANOACETATE

mf: C₂₁H₁₇NO₂Sn mw: 434.08

SYNS: ACETIC ACID, CYANO-, TRIPHENYLSTANNYL ESTER □ STANNANE, (CYANOACETOXY)TRIPHENYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56,200 µg/kg CSLNX* NX#05971

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

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

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

TMV830 CAS: 143716-16-9 HR: 3
TRIPHENYLTIN 3,5-DI-ISOPROPYLSALICYLATE

mf: C₃₁H₃₂O₃Sn mw: 571.32

SYNS: 2,4-BIS(1-METHYLETHYL)-6-(((TRIPHENYLSTANNYL)OXY)CARBONYL)PHENOL □ PHENOL, 2,4-BIS(1-METHYLETHYL)-6-(((TRIPHENYLSTANNYL)OXY)CARBONYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:50 mg/kg IVIVE4 7,171,93

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

TMV850 CAS: 379-52-2 HR: 2
TRIPHENYLTIN FLUORIDE

mf: C₁₈H₁₅FSn mw: 369.02

SYNS: BIOMET 204 □ FLUOROTRIPHENYLSTANNANE □ STANNANE, FLUOROTRIPHENYL- □ TIN, FLUORO-TRIPHENYL-

TOXICITY DATA with REFERENCE:

orl-mus LDLo:710 mg/kg AEECTCV 14,111,85

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of Cl⁻ and fumes of tin.

TMW000 CAS: 4150-34-9 HR: 3
TRIPHENYLTIN HYDROPEROXIDE

mf: C₁₈H₁₅O₂Sn mw: 383.02

SAFETY PROFILE: A powerful oxidizer. It explodes at 75°C. Upon decomposition it emits acrid smoke and fumes. See also TIN COMPOUNDS and PEROXIDES.

TMW250 CAS: 23292-85-5 HR: 3
TRIPHENYLTIN LEVULINATE

mf: C₂₃H₂₂O₃Sn mw: 465.14

SYNS: LEVULINIC ACID, TRIPHENYLSTANNYL ESTER □ (4-OXOVALERYLOXY)TRIPHENYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#04820

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. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

TMW500 CAS: 13302-08-4 HR: 3
TRIPHENYLTIN METHANESULFONATE

mf: C₁₉H₁₈O₃SSn mw: 445.12

SYN: ((METHYLSULFONYL)OXY)TRIPHENYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56,200 µg/kg CSLNX* NX#02305

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. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS.

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

TMW600 CAS: 67410-20-2 HR: 3
TRIPHENYLTIN PROPIOLATE

mf: C₂₁H₁₆O₂Sn mw: 419.06

SYNS: (ACETYLENECARBONYLOXY)TRIPHENYLTIN □ PROPIOLIC ACID, TRIPHENYLSTANNYL ESTER □ STANNANE, (ACETYLENECARBONYLOXY)TRIPHENYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#05130

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

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

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

TMX000 CAS: 974-29-8 HR: 3
TRIPHENYL-1H-1,2,4-TRIAZOL-1-YL TIN

mf: C₂₀H₁₇N₃Sn mw: 418.09

SYN: 1H-1,2,4-(TRIAZOL-1-YL)TRIPHENYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#05668

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. When heated to decomposition it emits toxic fumes of NO_x. See also TIN COMPOUNDS.

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

TMX250 CAS: 4441-17-2 HR: 3
TRIPERIDINOPHOSPHINE OXIDE

mf: C₁₅H₃₀N₃OP mw: 299.45

PROP: A solid. Mp: 75–76°, bp: 273°.

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#05845

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of NO_x and PO_x. See also PHOSPHINE.

TMX350 CAS: 68541-88-8 HR: 3
TRIPERIDINOPHOSPHINE SELENIDE

mf: C₁₅H₃₀N₃PSe mw: 362.41

SYN: PHOSPHINE SELENIDE, TRIPERIDINO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#05677

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x, PO_x, and Se.

TMX500 CAS: 1317-95-9 HR: 3
TRIPOLI

PROP: Finely granulated white or gray siliceous rock. A form of crystalline silica.

OSHA PEL: TWA 0.1 mg/m³

ACGIH TLV: TWA 0.1 mg/m³ (of contained respirable quartz dust)

NIOSH REL: (Silica, Crystalline) 10H TWA 0.05 mg/m³

SAFETY PROFILE: The prolonged inhalation of dusts containing free silica may result in the development of a disabling pulmonary fibrosis known as silicosis. See also SILICA.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-125G.

TMX550 CAS: 58968-53-9 HR: 1
TRI(POLYNONYLPHENYL)PHOSPHITE

SYNS: POLYGARD □ TRI(MIXED MONO- and DINONYL-PHENYL)PHOSPHITE

TOXICITY DATA with REFERENCE:

orl-rat LD50:20 g/kg RCTEA4 45,627,72

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

TMX600 CAS: 14023-90-6 HR: 3
TRIPOTASSIUM HEXACYANOMANGANATE(3⁻)

mf: C₆MnN₆*3K mw: 328.36

PROP: Air-stable dark red-brown needles from 10% KCN/EtOH.

SYNS: MANGANATE(3-), HEXACYANO-, TRIPOTASSIUM □ MANGANATE(3-), HEXAKIS(CYANO-C)-, TRIPOTASSIUM, (OC-6-11)- □ POTASSIUM MANGANOCYANIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:275 mg/kg JPMSAE 52,59,63

OSHA PEL: CL 5 mg(Mn)/m³

ACGIH TLV: TWA 5 mg(Mn)/m³

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

TMX750 CAS: 2399-85-1 HR: 2
TRIPOTASSIUM NITRILOTRIACETATE

mf: C₆H₆NO₆•3K mw: 305.43

TOXICITY DATA with REFERENCE:

orl-rat LD50:1220 mg/kg TXAPA9 18,398,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and K₂O.

TMX775 CAS: 550-70-9 HR: 3
TRIPROLIDINE HYDROCHLORIDE

mf: C₁₉H₂₂N₂•ClH mw: 314.89

PROP: Crystals from H₂O. Mp: 116–118°.

SYNS: ACTIDILAT □ ACTIDOL □ 295 C 51 □ ENTRA □ trans-1-(4'-METHYLPHENYL)-1-(2'-PYRIDYL)-3-PYRROLIDINOPROP-1-N E HYDROCHLORIDE □ (E)-2-(1-(4-METHYLPHENYL)-3-(1-PYRROLIDINYL)-1-PROPENYL)-PYRIDINE MONOHYDROCHLORIDE □ PRO-ACTIDIL □ trans-2-(3-(1-PYRROLIDINYL)-1-p-TOLYLPROPENYL)PYRIDINE MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:495 mg/kg NIIRDN 6,525,82

scu-mus LD50:247 mg/kg NIIRDN 6,525,82

ivn-mus LD50:21 mg/kg BJPCAL 8,171,53

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

TMY000 CAS: 139-45-7 HR: 2
TRIPROPIONIN

mf: C₁₂H₂₀O₆ mw: 260.32

SYNS: GLYCERINE TRIPROPIONATE □ GLYCERYL TRIPROPIONATE □ TRIPROPIONINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:840 mg/kg APSCAX 40,338,57

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TMY100 CAS: 102-67-0 HR: 3
TRIPROPYLALUMINUM

mf: C₉H₂₁Al mw: 156.28

PROP: Air- and moisture-sensitive liquid. Mp: –107°, bp: 82–84°, d: 0.823.

SYNS: ALUMINUM, TRIPROPYL- □ TRIPROPYLALUMINUM (DOT)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 2 mg(Al)/m³

SAFETY PROFILE: Pyrophoric, moisture-sensitive, flammable solid. Danger from spontaneous combustion. When heated to decomposition it emits toxic fumes of Al.

TMY250 CAS: 102-69-2 HR: 3
TRI-N-PROPYLAMINE

DOT: UN 2260

mf: C₉H₂₁N mw: 143.31

PROP: Liquid. Mp: –93°, bp: 156°, flash p: 105°F (OC), d: 0.75, vap d: 4.9. Very sltly sol in water.

SYNS: N,N-DIPROPYL-1-PROPANAMINE □ TRIPROPYLAMINE (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LD50:72 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:250 ppm/4H AIHAAP 30,470,69

ihl-mus LC50:3800 mg/m³/2H 85GMAT -,118,82

skn-rbt LD50:429 mg/kg AIHAAP 30,470,69

ihl-mam LC50:5100 mg/m³ TPKVAL 14,80,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Corrosive

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact and inhalation. A corrosive irritant to skin, eyes, and mucous membranes. Flammable when exposed to heat, flame, or oxidizers. Can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

TMY750 CAS: 688-71-1 HR: 2
TRI-n-PROPYL BORATE

mf: C₉H₂₁BO₃ mw: 188.11

PROP: Colorless, moisture-sensitive liquid; odor of n-propanol. Bp: 176°, flash p: 155°F (COC), d: 0.856 @ 24°.

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD 14KTAK -,706,64

orl-mus LD50:2080 mg/kg 14KTAK -,706,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TMY850 CAS: 67445-50-5 HR: 3
TRIPROPYL(BUTYLTHIO)STANNANE

mf: C₁₃H₃₀SSn mw: 337.18

SYNS: (BUTYLTHIO)TRIPROPYLSTANNANE □ STANNANE, (BUTYLTHIO)TRIPROPYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:27 mg/kg RPTOAN 42,73,79

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

NIOSH REL: (Organotin Compound) 10H TWA 0.1 mg(Sn)/m³

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

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

TMZ000 CAS: 24800-44-0 HR: 2

TRIPROPYLENE GLYCOL

mf: $\text{C}_9\text{H}_{20}\text{O}_4$ mw: 192.29

PROP: Colorless liquid. Mp: does not crystallize, bp: 267° , flash p: 285°F , d: 1.023 @ $25^\circ/25^\circ$, vap press: 1 mm @ 96.0° , vap d: 6.63.

SYN: 2-(2-(2-HYDROXYPROPOXY)PROPOXY)-1-PROPANOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:3000 mg/kg 14CYAT 2,1522,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TMZ100 CAS: 42978-66-5 HR: 1

TRIPROPYLENEGLYCOL DIACRYLATE

mf: $\text{C}_{15}\text{H}_{24}\text{O}_6$ mw: 300.39

SYNS: ACRYLIC ACID, PROPYLENEBIS(OXYPROPYLENE) ESTER □ 2-PROPENOIC ACID, (1-METHYL-1,2-ETHANEDIYL)BIS(OXY(METHYL-2,1-ETHANEDIYL)) ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD JTEHD6 19,149,86

orl-rat LD50:6800 mg/kg JTEHD6 19,149,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

TNA000 CAS: 20324-33-8 HR: 2

TRIPROPYLENE GLYCOL, METHYL ETHER

mf: $\text{C}_{10}\text{H}_{22}\text{O}_4$ mw: 206.32

PROP: Colorless liquid. Bp: 243° , flash p: 250°F , d: 0.967 @ $25^\circ/25^\circ$, vap d: 7.1, viscosity 5.5 cP (25°C), refr index 1.427 (25°C). Misc with water, VM&P naphtha, acetone, eth, benzene, carbon tetrachloride, ether, methanol, and monochlorobenzene.

SYNS: DOWANOL 62B □ DOWANOL TPM GLYCOL ETHER □ 2-(2-(2-METHOXYPROPOXY)PROPOXY) PROPANOL □ TRIPROPYLENE GLYCOL MONOMETHYL ETHER □ TRIPROPYLENE GLYKOL MONOMETHYL ETHER

TOXICITY DATA with REFERENCE:

orl-rat LD50:3300 mg/kg AMIHBC 9,509,54

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

SAFETY PROFILE: Moderately toxic by ingestion. Many glycol ether compounds have dangerous human reproductive effects. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.

TNA250 CAS: 3015-98-3 HR: 3

TRIPROPYL INDIUM

mf: $\text{C}_9\text{H}_{21}\text{In}$ mw: 244

PROP: A liquid. D: 1.187, bp: 178° . Sol in org solvs.

SAFETY PROFILE: Spontaneously flammable in air. When heated to decomposition it emits acrid smoke and irritating fumes. See also INDIUM.

TNA500 CAS: 6618-03-7 HR: 3

TRIPROPYL LEAD

mf: $\text{C}_9\text{H}_{22}\text{Pb}$ mw: 337.50

SYNS: LEAD TRIPROPYL □ TRIPROPYL PLUMBANE

TOXICITY DATA with REFERENCE:

par-rat LDLo:20 mg/kg AOHYA3 3,226,61

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

SAFETY PROFILE: Poison by parenteral route. Highly flammable. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

TNA750 CAS: 1520-71-4 HR: 3

TRI-n-PROPYL LEAD CHLORIDE

mf: $\text{C}_9\text{H}_{21}\text{ClPb}$ mw: 371.94

PROP: Crystals. Mp: $133\text{--}134^\circ$.

SYNS: CHLOROTRIPROPYLPLUMBANE □ TRIPROPYL LEAD CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:27 mg/kg BJIMAG 18,277,61

ipr-rat LDLo:5380 $\mu\text{g}/\text{kg}$ JPETAB 38,161,30

scu-rat LDLo:11 mg/kg JPETAB 38,161,30

ivn-mus LD50:22 mg/kg CSLNX* NX#03647

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

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits very toxic fumes of Cl^- and Pb. See also LEAD COMPOUNDS and CHLORIDES.

TNA800 CAS: 1496-94-2 HR: 2

TRIPROPYLPHOSPHINE OXIDE

mf: $\text{C}_9\text{H}_{21}\text{OP}$ mw: 176.27

SYN: PHOSPHINE OXIDE, TRIPROPYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:1550 mg/kg GISAAA 49(2),92,1984

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

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

TNB000 CAS: 3267-78-5 HR: 3

TRIPROPYL TIN ACETATE

mf: $\text{C}_{11}\text{H}_{24}\text{O}_2\text{Sn}$ mw: 307.04

SYNS: ACETOXYTRIPROPYLSTANNANE □ STANNANE, (ACETYLOXY)TRIPROPYL-(9CI) □ TIN, ACETOXYTRIPROPYL-(7CI) □ TRIPROPYLSTANNIUM ACETATE □ TRI-n-PROPYLZINNACETAT

TOXICITY DATA with REFERENCE:

orl-rat LD50:118 mg/kg BJIMAG 15,15,58

ivn-rat LDLo:24 mg/kg BJIMAG 15,15,58

orl-mus LDLo:210 mg/kg AECTCV 14,111,85

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 and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TNB250 CAS: 7342-45-2 HR: 3
TRIPROPYL TIN IODIDE**mf: C₉H₂₁ISn mw: 374.89**PROP:** Colorless liquid. D: 1.692 @ 16°, mp: -53°, bp: 262°. Sol in org solv.**SYN:** IODOTRIPROPYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:4470 µg/kg CSLNX* NX#02335

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. When heated to decomposition it emits toxic fumes of I⁻. See also TIN COMPOUNDS and IODIDES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TNB500 CAS: 73927-92-1 HR: 3
TRIPROPYL TIN IODOACETATE**mf: C₁₁H₂₃IO₂Sn mw: 432.93**SYN:** (IODOACETOXY)TRIPROPYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#03452

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. When heated to decomposition it emits toxic fumes of I⁻. See also TIN COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TNB750 CAS: 31709-32-7 HR: 3
TRIPROPYL TIN ISOTHIOCYANATE**mf: C₁₀H₂₁NSSn mw: 306.07**SYN:** (ISOTHIOCYANATO)TRIPROPYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:5 mg/kg CSLNX* NX#03420

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.When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also TIN COMPOUNDS and THIOCYANATES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TNC000 CAS: 73927-99-8 HR: 3
TRIPROPYL TIN TRICHLOROACETATE**mf: C₁₁H₂₁Cl₃O₂Sn mw: 410.36**SYNS:** TRICHLOROACETIC ACID TRIPROPYLSTANNYL ESTER □ (TRICHLOROACETOXY)TRIPROPYLSTANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:5600 µg/kg CSLNX* NX#06281

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. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS and CHLORIDES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**TNC100 CAS: 2396-43-2 HR: 1
2,4,6-TRIPROPYL-S-TRIOXANE**mf: C₁₂H₂₄O₃ mw: 216.36**SYNS:** PARABUTYRALDEHYDE □ 1,3,5-TRIOXANE, 2,4,6-TRIPROPYL- □ s-TRIOXANE, 2,4,6-TRIPROPYL-**TOXICITY DATA with REFERENCE:**

orl-rbt LDLo:5408 mg/kg JPETAB 48,488,33

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Slightly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**TNC175 CAS: 38748-32-2 HR: 3
TRIPTOLIDE**mf: C₂₀H₂₄O₆ mw: 360.44**PROP:** Crystals. Mp: 226-227°.**SYN:** TRIPTOLIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:900 µg/kg CYLPDN 2,70,81

ivn-mus LD50:800 µg/kg CYLPDN 2,70,81

ivn-dog LDLo:160 µg/kg CYLPDN 2,70,81

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits acrid smoke and irritating fumes.**TNC200 CAS: 132368-08-2 HR: D
TRIPTOLIDE 12,13-CHLORHYDRIN**mf: C₂₀H₂₅ClO₆ mw: 396.90**SYNS:** BISOXIRENO(4B,5:8A,9)PHENANTHRO(1,2-C)FURAN-4(2H)-ONE, 11-CHLORO-1B,3,6,6B,7,7A,9,10,11,11A-DECAHYDRO-9,10-DIHYDROXY-1B-METHYL-10-(1-METHYLETHYL)-, (1AS,1BS,6BR,7AS,8AS,9R,10R,11R,11AR)- □ TRIPCHLOROLIDE □ TRIPTOLIDE CHLORHYDRIN**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:180 mg/kg (male 30D pre):REP CCPTAY 47,387,1993

TOG275 CAS: 775-06-4 HR: 3
dl-m-TYROSINEmf: C₉H₁₁NO₃ mw: 181.21**SYNS:** d,l-METATYROSINE □ m-TYROSINE, dl-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:320 mg/kg CSLNX* NX#02549

SAFETY PROFILE: Poison by intraperitoneal route.

An experimental teratogen. When heated to

decomposition it emits toxic fumes of NO_x.**TOG300 CAS: 60-18-4 HR: D**
I-TYROSINEmf: C₉H₁₁NO₃ mw: 181.21**PROP:** Colorless, silky needles or white crystalline powder from water. Mp: 290–295° (decomp) (slow heat). Almost insol in water, dil mineral acids, alkaline solutions; sltly sol in alc.**SYNS:** l-β-(p-HYDROXYPHENYL)ALANINE □ TYROSINE □ p-TYROSINE □ l-p-TYROSINE**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.**TOG500 CAS: 1404-88-2 HR: 3**
TYROTHRIN**PROP:** Gray to brown powder. Decomp @ 215–220°.

Almost insol in water; sol in alc, methanol.

SYNS: BACTRATYICIN □ COLTIROT □ DUBOS CRUDE CRYSTALS □ HYDROTRICINE □ INTRADERM TYROTHRIN**TOXICITY DATA with REFERENCE:**

add-bac-esc 25 μmol/L MUREAV 89,95,81

orl-mus LD50:>3 g/kg ARZNAD 7,98,57

ipr-mus LD50:100 mg/kg ARZNAD 7,98,57

ivn-mus LDLo:1200 μg/kg JPETAB 74,75,42

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Mutation data reported. Incompatible with alkalis, strong acids.