Sax's Dangerous Properties of Industrial Materials

Eighth Edition

Volume 1

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VNR VAN NOSTRAND REINHOLD
New Y

CPX625 CAS:73473-54-8 *HR: D*
CYCLOPENTA(cd)PYRENE-3,4-OXIDE
mf: $C_{18}H_{10}O$ mw: 242.28

SYN: CPP-3,4-OXIDE

TOXICITY DATA with REFERENCE
mmo-sat 100 ng/plate CNREA8 40,3940,80
otr-mus:fbr 3 mg/L CNREA8 40,4482,80
otr-mus:emb 300 μg/L EVSRBT 22,445,81

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

CPX750 CAS:142-29-0 *HR: 3*
CYCLOPENTENE
DOT: UN 2246
mf: C_5H_8 mw: 68.13

PROP: Liquid. Mp: −93.3°, bp: 44.242°, fp: −135.2°, flash p: −20°F, d: 0.77199 @ 20°.

TOXICITY DATA with REFERENCE
orl-rat LD50:1656 mg/kg AIHAAP 30,470,69
skn-rbt LD50:1231 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT Classification: Flammable Liquid; Label: Flammable Liquid.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A very dangerous fire hazard when exposed to flame or heat; can react with oxidizing materials. Keep away from heat and open flame. To fight fire, use foam, CO_2, dry chemical.

CPY000 CAS:3212-60-0 *HR: 3*
CYCLOPENTENE-1-OL
mf: C_5H_8O mw: 84.13

SYN: 1-CYCLOPENTEN-3-OL

TOXICITY DATA with REFERENCE
skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
ipr-rat LD50:470 mg/kg AIHAAP 30,470,69
ihl-rat LCLo:1000 ppm/4H AIHAAP 30,470,69
skn-rbt LDLo:180 mg/kg AIHAAP 23,95,62

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

CPY200 CAS:7129-91-1 *HR: 3*
CYCLOPENTENO-5,10-ACEANTHRENE
mf: $C_{16}H_{16}$ mw: 244.35

SYN: 1,2,3,8,9-TETRAHYDRO-1H-CYCLOPENT(j)ACEANTHRYLENE

TOXICITY DATA with REFERENCE
scu-mus TDLo:160 mg/kg/43W-I:NEO JNCIAM 2,99,41

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

CPY750 CAS:7099-43-6 *HR: 3*
5:6-CYCLOPENTENO-1:2-BENZANTHRACENE
mf: $C_{21}H_{18}$ mw: 270.39

SYN: 2,3-DIHYDRO-1H-BENZO(a)CYCLOPENT(b)ANTHRACENE

TOXICITY DATA with REFERENCE
skn-mus TDLo:480 mg/kg/20W-I:ETA PRLBA4 111,485,32

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

CPZ125 CAS:5870-29-1 *HR: 3*
CYCLOPENTOLATE HYDROCHLORIDE
mf: $C_{17}H_{25}NO_3 \cdot ClH$ mw: 327.89

SYNS: CYCLOGYL ◇ β-DIMETHYLAMINOETHYL (1-HYDROXYCYCLOPENTYL)PHENYLACETATE HYDROCHLORIDE ◇ 2-(DIMETHYLAMINO)ETHYL 1-HYDROXY-α-PHENYLCYCLOPENTANEACETATE HYDROCHLORIDE

TOXICITY DATA with REFERENCE
scu-chd TDLo:40 μg/kg:CNS AROPAW 87,634,72
orl-mus LD50:960 mg/kg NIIRDN 6,314,82
ipr-mus LD50:314 mg/kg JPETAB 106,141,52
ivn-mus LD50:84 mg/kg JPETAB 106,141,52

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects by subcutaneous route: convulsions. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

CQA000 CAS:1003-03-8 *HR: 1*
CYCLOPENTYLAMINE
mf: $C_5H_{11}N$ mw: 85.15

PROP: Flash p: 55.4°F.

SAFETY PROFILE: A dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

CQB250 CAS:40202-39-9 *HR: 3*
2-CYCLOPENTYL-4,6-DINITROPHENOL
mf: $C_{11}H_{12}N_2O_5$ mw: 252.25

SYN: DINITROCYCLOPENTYLPHENOL

TOXICITY DATA with REFERENCE
ivn-dog LDLo:10 mg/kg AIPTAK 50,20,35
ivn-pgn LDLo:5 mg/kg AIPTAK 50,20,35

Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x.

BCP650 CAS:53-89-4 ***HR: 3***
BENZOMETAN
mf: $C_{22}H_{25}N_3O$ mw: 347.50

PROP: Crystals from ethanol. Decomp 181-183°.

SYNS: BENZOPIPERILONE (ITALIAN) ◇ BENZPIPERILONE ◇ BENZPIPERYLON ◇ 4-BENZYL-1-(1-METHYL-4-PIPERIDYL)-3-PHENYL-3-PYRAZOLIN-5-ONE ◇ 1,2-DIHYDRO-2-(1-METHYL-4-PIPERIDINYL)-5-PHENYL-4-(PHENYLMETHYL)-3H-PYRAZOL-3-ONE (9CI) ◇ HUMEDIL ◇ KB 95 ◇ 1-(N-METIL-PIPERIDIL-4')-3-FENIL-4-BENZIL-PIRAZOLONE-5 (ITALIAN) ◇ PPBP ◇ REUBLONIL ◇ TELON

TOXICITY DATA with REFERENCE
orl-rat LD50:2700 mg/kg BCFAAI 102,602,63
ivn-rat LD50:160 mg/kg BCFAAI 102,602,63
orl-mus LD50:1880 mg/kg BCFAAI 102,602,63
scu-mus LD50:615 mg/kg BCFAAI 102,602,63
ivn-mus LD50:160 mg/kg BCFAAI 102,602,63
orl-rbt LD50:1700 mg/kg BCFAAI 102,602,63
ivn-rbt LD50:83 mg/kg BCFAAI 102,602,63

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

BCP685 CAS:3811-10-7 ***HR: 3***
BENZOMETHAMINE BROMIDE
mf: $C_{22}H_{31}N_2O_2{\cdot}Br$ mw: 435.46

SYNS: N,N-DIETHYL-2-((HYDROXYDIPHENYLACETYL)METHYLAMINO)-N-METHYLETHANAMINIUM BROMIDE (9CI) ◇ DIETHYLMETHYL(2-(N-METHYLBENZILAMIDO)ETHYL)AMMONIUM BROMIDE ◇ MC 3199

TOXICITY DATA with REFERENCE
orl-mus LD50:2700 mg/kg JPETAB 114,54,55
ipr-mus LD50:136 mg/kg JPETAB 114,54,55
ivn-mus LD50:31800 μg/kg JPETAB 114,54,55

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

BCP750 CAS:192-70-1 ***HR: 3***
BENZO(a)NAPHTHO(8,1,2-cde)NAPHTHACENE
mf: $C_{28}H_{16}$ mw: 352.44

SYN: NAPHTO(1,2-c-d-e)NAPHTACENE(FRENCH)

TOXICITY DATA with REFERENCE
scu-mus TDLo:72 mg/kg/9W-I:ETA CHDDAT 266,301,68

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

BCQ000 CAS:196-79-2 ***HR: 3***
BENZO(h)NAPHTHO(1,2-f,s-3)QUINOLINE
mf: $C_{21}H_{13}N$ mw: 279.35

SYN: PYRIDO(3',2':5,6)CHRYSENE

TOXICITY DATA with REFERENCE
scu-mus TDLo:72 mg/kg/9W-I:ETA COREAF 252,1711,61

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

BCQ250 CAS:100-47-0 ***HR: 3***
BENZONITRILE
DOT: UN 2224
mf: C_7H_5N mw: 103.13

PROP: Transparent, colorless oil; almond-like odor. D: 1.246 @ 20°/4°, bp: 191°, mp: −12.8°.

SYNS: BENZENENITRILE ◇ BENZOIC ACID NITRILE ◇ BENZONITRILE (DOT) ◇ CYANOBENZENE ◇ PHENYL CYANIDE

TOXICITY DATA with REFERENCE
skn-rbt 500 mg/24H MOD FCTXAV 17(Suppl.),695,79
orl-rat LDLo:720 mg/kg AMRL** TR-74-78,74
ihl-rat LCLo:950 ppm/8H AMRL** TR-74-78,74
skn-rat LD50:1200 mg/kg AMRL** TR-74-78,74
orl-mus LD50:971 mg/kg NEZAAQ 39,423,84
ihl-mus LC50:6000 mg/m^3 AZMZA6 52(11),60,75
scu-mus LD50:180 mg/kg MEIEDD 10,156,83
scu-rbt LDLo:200 mg/kg AIPTAK 5,161,1899
scu-frg LDLo:1700 mg/kg AIPTAK 5,161,1899
ipr-mus LD50:400 mg/kg FCTXAV 17,723,79

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

DOT Classification: Combustible Liquid; Label: None; DOT-IMO: Poison B; Label: Poison.

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Moderately toxic by ingestion, inhalation, and skin contact. See also NITRILES. A skin irritant. Combustible liquid. When heated to decomposition it emits toxic fumes of CN^- and NO_x.

BCQ500 CAS:189-55-9 ***HR: 3***
BENZO(rst)PENTAPHENE
mf: $C_{24}H_{14}$ mw: 302.38

PROP: Green-yellow needles. Mp: 280-282°.

SYNS: DB(a,i)P ◇ DIBENZO(a,i)PYRENE ◇ DIBENZO(b,h)PYRENE ◇ 1,2,7,8-DIBENZOPYRENE ◇ 3,4:9,10-DIBENZOPYRENE ◇ DIBENZ(a,i)PYRENE ◇ 1,2:7,8-DIBENZPYRENE ◇ 3,4:9,10-DIBENZPYRENE ◇ RCRA WASTE NUMBER U064

TOXICITY DATA with REFERENCE
mma-sat 20 μg/plate PNASA6 72,5135,75

DRP875 ***HR: 3***
N,N-DIMETHYL-2-(p-(1,2-DIPHENYL-1-BUTENYL)PHENOXY)ETHYLAMINE CITRATE
mf: $C_{26}H_{29}NO \cdot C_6H_8O_7$ mw: 563.70

TOXICITY DATA with REFERENCE
orl-rat LD50:1550 mg/kg IYKEDH 12,933,81
ipr-rat LD50:660 mg/kg IYKEDH 12,933,81
ivn-rat LD50:76 mg/kg IYKEDH 12,933,81
orl-mus LD50:6500 mg/kg IYKEDH 12,933,81
ipr-mus LD50:218 mg/kg IYKEDH 12,933,81
ivn-mus LD50:95 mg/kg IYKEDH 12,933,81

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

DRQ000 CAS:13865-57-1 ***HR: 3***
N,N-DIMETHYL-4-(DIPHENYLMETHYL)ANILINE
mf: $C_{21}H_{21}N$ mw: 287.43

SYNS: 4-DIMETHYLAMINOTRIPHENYLMETHANE ◇ 4-DIMETHYLAMINOTRIPHENYLMETHAN(GERMAN)

TOXICITY DATA with REFERENCE
scu-rat TDLo:1620 mg/kg/12W-I:ETA NATWAY 42,215,55

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

DRQ200 CAS:997-95-5 ***HR: 3***
2,2'-DIMETHYLDIPROPYLINITROSOAMINE
mf: $C_8H_{18}N_2O$ mw: 158.28

SYNS: DI-ISO-BUTYLNITROSAMINE ◇ DMDPN ◇ NITROSODI-ISOBUTYLAMINE ◇ N-NITROSODIISOBUTYLAMINE ◇ N-NITROSODI-ISO-BUTYLAMINE ◇ N-NITROSO-2,2'-DIMETHYLDI-n-PROPYLAMINE

TOXICITY DATA with REFERENCE
mma-sat 25 μg/plate TCMUE9 1,13,84
orl-rat TDLo:1750 mg/kg/30W-I:ETA JJIND8 62,407,79
scu-ham LD50:5600 mg/kg JNCIAM 55,1209,75

SAFETY PROFILE: Mildly toxic by subcutaneous route. Questionable carcinogen with experimental neoplastigenic and tumorigenic data. Mutation data reported. Many nitrosamines compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.

DRQ400 CAS:624-92-0 ***HR: 3***
DIMETHYLDISULFIDE
DOT: UN 2381
mf: $C_2H_6S_2$ mw: 94.20

PROP: Liquid. flash p: 44.6°F. Bp: 109.7°, d: 1.0569 @ 25°, vap press: 28.6 mm @ 25°, vap d: 3.24.

TOXICITY DATA with REFERENCE
ihl-rat LC50:15850 $\mu g/m^3/2H$ GTPZAB 16(6),46,72
ihl-mus LC50:12300 $\mu g/m^3/2H$ GTPZAB 16(6),46,72

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

DOT Classification: Flammable Liquid; Label: Flammable Liquid.

SAFETY PROFILE: Poison by inhalation. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Can react vigorously with oxidizing materials. See also SULFIDES.

DRQ600 CAS:598-64-1 ***HR: 3***
DIMETHYLDITHIOCARBAMIC ACID with DIMETHYLAMINE (1 : 1)
mf: $C_5H_{12}N_2S_2$ mw: 164.31

SYNS: DIMETHYLDITHIOCARBAMIC ACID DIMETHYL AMINE SALT ◇ DIMETHYLDITHIOCARBAMIC ACID DIMETHYLAMMONIUM SALT

TOXICITY DATA with REFERENCE
orl-mus TDLo:29 g/kg/78W-I:ETA NTIS** PB223-159

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of NO_x, NH_3 and SO_x. See also CARBAMATES.

DRR000 CAS:26419-73-8 ***HR: 3***
2,4-DIMETHYL-1,3-DITHIOLANE-2-CARBOXALDEHYDE O-(METHYLCARBAMOYL)OXIME
mf: $C_8H_{14}N_2O_2S_2$ mw: 234.36

SYNS: 2,4-DIMETHYL-1,3-DITHIOLANE-2-CARBOXALDEHYDEO-((METHYLAMINO)CARBONYL)OXIME ◇ 2,4-DIMETHYL-2-FORMYL-1,3-DITHIOLANE OXIME METHYLCARBAMATE ◇ ENT 27,696 ◇ MBR 6168 ◇ 3M MBR 6168 ◇ TIRPATE

TOXICITY DATA with REFERENCE
orl-rat LD50:1 mg/kg WRPCA2 9,119,70
skn-rat LD50:300 mg/kg GUCHAZ 6,213,73

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion and skin contact. A pesticide. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also CARBAMATES and ALDEHYDES.

.FETY PROFILE: Moderately toxic by ingestion and ıalation. A corrosive irritant to skin, eyes, and mu- us [illegible]branes. Explosive reaction with methylmag- siu[illegible]ide. Explosive reaction with pentaerythritol heat. Reacts with water or steam to produce toxic and rrosive fumes. When heated to decomposition it emits ghly toxic fumes of PO_x, SO_x, and Cl^-.

TFO250 CAS:13706-10-0 *HR: 2*
HIOPHOSPHORYL DIBROMIDEMONO-FLUORIDE
f: Br_2FPS mw: 241.85

/N: TL 331

OXICITY DATA with REFERENCE
l-mus LCLo:3100 mg/m³/10M NDRC** NDCrc-132,Sept,42

SHA PEL: TWA 2.5 mg(F)/m³
CGIH TLV: TWA 2.5 mg(F)/m³
IOSH REL: TWA 2.5 mg(F)/m³

AFETY PROFILE: Moderately toxic by inhalation. /hen heated to decomposition it emits very toxic fumes f Br^-, F^-, PO_x, and SO_x. See also BROMIDES, FLU-)RIDES, and THIOPHOSPHORYL CHLORIDE.

TFO500 CAS:13706-09-7 *HR: 2*
'HIOPHOSPHORYL DIFLUORIDEMONO-BROMIDE
nf: [illegible]PS mw: 180.94

SYNS: MONOBROMODIFLUOROPHOSPHINESULFIDE ◇ THIOPHOSPHORYL MONOBROMODIFLUORIDE ◇ TL 263

TOXICITY DATA with REFERENCE
hl-mus LCLo:3000 mg/m³/10M NDRC** NDCrc-132,June,42

OSHA PEL: TWA 2.5 mg(F)/m³
ACGIH TLV: TWA 2.5 mg(F)/m³
NIOSH REL: TWA 2.5 mg(F)/m³

SAFETY PROFILE: Moderately toxic by inhalation. When heated to decomposition it emits very toxic fumes of Br^-, F^-, PO_x, and SO_x. See also BROMIDES, FLU- ORIDES, and THIOPHOSPHORYL CHLORIDE.

TFO750 CAS:2404-52-6 *HR: 3*
THIOPHOSPHORYL FLUORIDE
mf: PSF_3 mw: 120.05

PROP: Mp: 3.8° @ 7.6 atm, bp: decomp.

SAFETY PROFILE: Poison irritant to skin, eyes, and mucous membranes. Ignites or explodes on contact with air. Heated sodium ignites in the gas. When heated to decomposition or in reaction with water or steam it emits toxic and corrosive fumes of PO_x, SO_x, and F^-. See also F[illegible]IDES and THIOPHOSPHORYL CHLORIDE.

TFP000 CAS:75-18-3 *HR: 3*
2-THIOPROPANE
mf: C_2H_6S mw: 62.14
DOT: UN 1164

PROP: Colorless liquid; disagreeable odor. Mp: −83.2°, lel: 2.2%, uel: 19.7%, flash p: <0°F, bp: 37.5-38°, d: 0.8458 @ 21/4°, vap d: 2.14, autoign temp: 403°F. Insol in water; sol in alc, ether.

SYNS: DIMETHYLSULFID (CZECH) ◇ DIMETHYL SULFIDE (DOT) ◇ DIMETHYL SULPHIDE ◇ DMS ◇ EXACT-S ◇ METHYL SULFIDE (DOT) ◇ METHYL SULPHIDE ◇ METHYLTHIOMETHANE ◇ SULFURE de METHYLE (FRENCH) ◇ 2-THIAPROPANE

TOXICITY DATA with REFERENCE
skn-rbt 500 mg/24H MLD FCTXAV 17,365,79
eye-rbt 250 µg/24H SEV 28ZPAK -,169,72
orl-rat LD50:535 mg/kg 28ZPAK -,169,72
ihl-rat LC50:40250 ppm LacHB# 09JUN78
orl-mus LD50:3700 mg/kg FCTXAV 17,365,79
ihl-mus LC50:31620 µg/m³ FCTXAV 17,365,79
ipr-mus LD50:8000 mg/kg IJRBA3 3,41,61

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

DOT Classification: Flammable Liquid; Label: Flammable Liquid.

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. A skin and severe eye irritant. A very dangerous fire hazard when exposed to heat or flame. Explosive in the form of vapor when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use CO_2, dry chemical. When heated to decomposition it emits highly toxic fumes of SO_x and may explode. See also SULFIDES.

TFP250 CAS:146-28-1 *HR: 3*
THIOPROPAZATE DIHYDROCHLORIDE
mf: $C_{23}H_{28}ClN_3O_2S{\cdot}2ClH$ mw: 518.97

PROP: Crystals. Decomp @ 223-229°. Very sol in water; sol in alc, chloroform; nearly insol in ether.

SYNS: 1-(2-ACETOXYETHYL)-4-(3-(2-CHLORO-10-PHENOTHIAZINYL)PROPYL)PIPERAZIME DIHYDROCHLORIDE ◇ 2-CHLORO-10-(3-(4-(2-ACETOXYETHYL)PIPERAZINYL)PROPYL)PHENOTHIAZINE ◇ THIOPROPAZATE HYDROCHLORIDE

TOXICITY DATA with REFERENCE
orl-mus LD50:279 mg/kg 27ZQAG -,52,72
ipr-mus LD50:197 mg/kg 27ZQAG -,52,72
scu-mus LD50:1080 mg/kg 27ZQAG -,52,72

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

P. 2809

PIH175 CAS:83-26-1 *HR: 3*
PINDONE
DOT: UN 2472
mf: $C_{14}H_{14}O_3$ mw: 230.28

PROP: Yellow crystals. Mp: 108°.

SYNS: CHEMRAT ◇ 2-(2,2-DIMETHYL-1-OXOPROPYL)-1H-INDENE-1,3(2H)-DIONE ◇ PINDON (DUTCH) ◇ PIVACIN ◇ PIVAL ◇ PIVALDION (ITALIAN) ◇ PIVALDIONE (FRENCH) ◇ 2-PIVALOYL-INDAAN-1,3-DION (DUTCH) ◇ 2-PIVALOYL-INDAN-1,3-DION (GERMAN) ◇ 2-PIVALOYL-1,3-INDANDIONE ◇ 2-PIVALOYLINDANE-1,3-DIONE ◇ 2-PIVALYL-1,3-INDANDIONE ◇ PIVALYL VALONE ◇ PIVALYN ◇ TRI-BAN ◇ 2-(TRIMETIL-ACETIL)-INDAN-1,3-DIONE (ITALIAN)

TOXICITY DATA with REFERENCE
orl-rat LD50:280 mg/kg TXAPA9 2,88,60
ivn-rat LD50:50 mg/kg YKYUA6 31,1385,80
par-rat LD50:50 mg/kg GUCHAZ 6,415,73
orl-dog LDLo:5 mg/kg APTOA6 42,81,78
orl-rbt LD50:150 mg/kg 85DPAN -,-,71/76
orl-dom LDLo:75 mg/kg AWLRAO 5,135,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg/m^3
ACGIH TLV: TWA 0.1 mg/m^3
DOT Classification: Poison B; Label: Poison; Poison B; Label: St. Andrews Cross.

SAFETY PROFILE: Poison by ingestion, intravenous, and parenteral routes. Causes reduced blood clotting which leads to hemorrhaging. Used as an anticoagulant and rodenticide. When heated to decomposition it emits acrid smoke and irritating fumes. See also WARFARIN.

PIH250 CAS:80-56-8 *HR: 3*
2-PINENE
DOT: UN 2368
mf: $C_{10}H_{16}$ mw: 136.26

PROP: Liquid; odor of turpentine. Mp: −55°, bp: 155°, flash p: 91°F, d: 0.8592 @ 20°/4°, refr index: 1.464-1.468, vap press: 10 mm @ 37.3°, vap d: 4.7, autoign temp: 491°F. Insol in water; sol in alc, chloroform, ether, glacial acetic acid, fixed oils.

SYNS: ACINTENE A ◇ FEMA No. 2902 ◇ α-PINENE (FCC) ◇ 2,6,6-TRIMETHYLBICYCLO(3.1.1)-2-HEPT-2-ENE

TOXICITY DATA with REFERENCE
skn-man 100% SEV FCTXAV 16,637,78
skn-rbt 500 mg/24H MOD FCTXAV 16,637,78
orl-rat LD50:3700 mg/kg FCTXAV 16,637,78
ihl-rat LCLo:625 μg/m^3 FCTXAV 16,637,78
ihl-mus LCLo:364 μg/m^3 FCTXAV 16,637,78
ihl-gpg LCLo:572 μg/m^3 FCTXAV 16,637,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT Classification: Flammable or Combustible Liquid; Label: Flammable Liquid.

SAFETY PROFILE: A deadly poison by inhalation. Moderately toxic by ingestion. An eye, mucous membrane, and severe human skin irritant. Flammable liquid. A dangerous fire hazard when exposed to heat, flame, or oxidizing materials. To fight fire, use foam, CO_2, dry chemical. Explodes on contact with nitrosyl perchlorate.

PIH400 CAS:8000-26-8 *HR: 1*
PINE NEEDLE OIL, DWARF

PROP: From steam distillation of needles of *Pinus mugo* turra var. *pumilio* (Haenke) Zenari (Fam. *Pinaceae*) (FCTXAV 14,659,76). Colorless to yellow liquid; pleasant odor and a bitter, pungent taste. D: 0.853-0.871, refr index: 1.475 @ 20°.

SYNS: DWARF PINE NEEDLE OIL ◇ KNEE PINE OIL ◇ LATSCHENKIEFEROL ◇ OIL of MOUNTAIN PINE ◇ PINUS MONTANA OIL ◇ PINUS PUMILIO OIL

TOXICITY DATA with REFERENCE
skn-hmn 12% FCTXAV 14,843,76
orl-rat LD50:6880 mg/kg PHARAT 14,435,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

PIH500 CAS:8000-26-8 *HR: 1*
PINE NEEDLE OIL, SCOTCH

PROP: Volatile oil from steam distillation of *Pinus sylvestris* L. (Fam. *Pinaceae*) constituted of dipentene, pinene, sylvestrene, cadinene and bornyl acetate. Yellow liquid; penetrating odor. Bp: 200-220°, flash p: 172°F (CC), d: 0.86, refr index: 1.473 @ 20°. Sol in fixed oils, mineral oil; sltly sol in propylene glycol; insol in glycerin.

SYNS: KIEFERNADEL OEL (GERMAN) ◇ SCOTCH PINE NEEDLE OIL

TOXICITY DATA with REFERENCE
orl-rat LD50:6880 mg/kg PHARAT 14,435,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A weak allergen and a mild irritant. Flammable when exposed to heat or flame; can react vigorously 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 individual components.

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TOXICITY DATA with REFERENCE
orl-ham TDLo:100 mg/kg (female 7-11 post):TER
CYLPDN 9,445,88
orl-rat TDLo:13500 μg/kg (female 7-9D post):REP
CYLPDN 9,445,88
orl-rat LD50:130 mg/kg CYLPDN 9,445,88
ipr-mus LD50:316 mg/kg CYLPDN 9,445,88
ivn-mus LD50:423 mg/kg CYLPDN 9,445,88

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by intravenous route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

POH750 CAS:127-91-3 ***HR: 1***
PSEUDOPINENE
mf: $C_{10}H_{16}$ mw: 136.26

PROP: Colorless liquid; pine odor. D: 0.864, refr index: 1.477, flash p: 88°F. Sol in fixed oils; insol in water, propylene glycol, glycerin

SYNS: 6,6-DIMETHYL-2-METHYLENEBICYCLO(3.1.1)HEPTANE ◇ FEMA No. 2903 ◇ NOPINEN ◇ NOPINENE ◇ β-PINENE (FCC) ◇ 2(10)-PINENE ◇ PSEUDOPINEN

TOXICITY DATA with REFERENCE
skn-rbt 500 mg/24H MOD FCTXAV 16,859,78
orl-rat LD50:4700 mg/kg FCTXAV 16,859,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

POH800 ***HR: 3***
PSIDIUM GUAJAVA Linn., extract excluding roots

PROP: Indian plant belonging to the family *Myrtaceae* IJEBA6 15,208,77

SYN: AMROOD, extract

TOXICITY DATA with REFERENCE
scu-rat TDLo:1111 mg/kg (male 10D pre):REP
TJEMAO 62,287,55
ipr-mus LD50:188 mg/kg IJEBA6 15,208,77

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

POI100 CAS:87625-62-5 ***HR: 3***
TAQUILOSIDE
mf: $C_{19}H_{28}O_8$ mw: 384.47

SYN: 1',3'-α,4',7'-α-TETRAHYDRO-7'-α-β-3-GLUCOPYRANOSYLOXY)-4'-HYDROXY-2',4',6'-TRIMETHYL-SPIRO(CYCLOPROPANE-1,5'-(5H)INDEN)-3',(2'H)-ONE

TOXICITY DATA with REFERENCE
dns-rat:lvr 1 μmol/L MUREAV 143,75,85
orl-rat TDLo:1580 mg/kg/9W-I:CAR JJCREP 75,833,84
orl-rat TD:1930 mg/kg/10W-I:CAR CALEDQ 21,239,84

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 40,47,86

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

POI550 ***HR: 3***
PTT 119
mf: $C_{29}H_{39}Cl_2FN_4O_4S{\bullet}ClH$ mw: 666.14

SYN: L-METHIONINE,N-(N-(3-(p-FLUOROPHENYL)-L-ANANYL)-3-(m-(BIS(2-CHLOROETHYL)AMINO)PHENYL)-L-ALANYL)-, ETHYL ESTER, HYDROCHLORIDE

TOXICITY DATA with REFERENCE
ipr-rat LD50:9200 μg/kg FRPSAX 38,205,83
ivn-rat LD50:9300 μg/kg FRPSAX 38,205,83
ipr-mus LD50:21 mg/kg FRPSAX 38,205,83
ivn-mus LD50:17 mg/kg FRPSAX 38,205,83

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

POI575 ***HR: 3***
PUERARIA PHASEOLOIDES (Roxb.) Benth., extract excluding roots

PROP: Indian plant belonging to the family *Fabaceae* IJEBA6 22,487,84

TOXICITY DATA with REFERENCE
orl-rat TDLo:150 mg/kg (female 12-14D post):REP
IJEBA6 22,487,84
ipr-mus LD50:825 mg/kg IJEBA6 22,487,84

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

POI600 ***HR: 3***
PUFFER POISON, HYDROCHLORIDE

PROP: Extracted from liver, gonads, stomach and intestines of *Sphoeroides pardalis, Sphoeroides vermicularis porphyreus* and *Sphoeroides vermicularis radiatus* (JPETAB 122,247,57).