

D

DAA800 2,4-D

CAS: 94-75-7

HR: 3

mf: $C_8H_6Cl_2O_3$ mw: 221.04

PROP: White powder or crystals. Mp: 141°, bp: 160° @ 0.4 mm, vap d: 7.63. IDLH 100 mg/m³.

SYNS: ACIDE-2,4-DICHLORO PHENOXYACETIQUE (FRENCH) □ ACIDO (2,4-DICLORO-FENOSI)-ACETICO (ITALIAN) □ AGROTECT □ AMIDOX □ AMOXONE □ AQUA-KLEEN □ BARRAGE □ BH 2,4-D □ BRUSH-RHAP □ B-SELEKT-ONON □ CHIPCO TURF HERBICIDE "D" □ CHLOROXONE □ CITRUS FIX □ CROP RIDER □ CROTILIN □ D 50 □ DACAMINE □ 2,4-D ACID □ DEBROUSSAILLANT 600 □ DECAMINE □ DED-WEED □ DED-WEED LV-69 □ DEHERBAN □ DESORMONE □ (2,4-DICHLORO-FENOXY)-AZIJNZUUR (DUTCH) □ DICHLORO PHENOXYACETIC ACID □ 2,4-DICHLOROPHENOXYACETIC ACID (DOT) □ 2,4-DICHLOR-PHENOXYACETIC ACID □ (2,4-DICHLOR-PHENOXY)-ESSIGSAEURE (GERMAN) □ DICOPUR □ DICOTOX □ DINOXOL □ DMA-4 □ DORMONE □ 2,4-DWU CHLOROFENO-KSYOCTOSY KWAS (POLISH) □ EMULSAMINE BK □ EMULS-AMINE E-3 □ ENT 8,538 □ ENVERT 171 □ ENV-ERT DT □ ESTERON □ ESTERON 99 □ ESTERON 76 BE □ ESTERON BRUSH KILLER □ ESTERON 99 CONCENTRATE □ ESTERONE FOUR □ ESTERON 44 WEED KILLER □ ESTONE □ FARMCO □ FERNESTA □ FERNIMINE □ FERNOXONE □ FOREDEX 75 □ FORMOLA 40 □ HEDONAL (The herbicide) □ HERBIDAL □ HIV OL-44 □ IPANER □ KROTILINE □ KWAS 2,4-DWUCHLORO FENOKSYOCTOWY □ KWASU 2,4-DWUCHLOROFENOKSY OCTOWEGO □ KYSELINA 2,4-DICHLORFENOXYOCTOVA □ LAWN-KEEP □ MACRONDRAY □ MIRACLE □ MONOSAN □ MOXONE □ NETAGRONE 600 □ NSC-423 □ PENNAMINE □ PENNAMINE D □ PHENOX □ PIELIK □ PLANOTOX □ PLANTGARD □ RCRA WASTE NUMBER U240 □ RHODIA □ SALVO □ SPRITZ-HORMIN/2,4-D □ SUPER D WEEDONE □ SUPERORMONE CENTRE □ TRANSAMINE □ TRIBUTON □ TRINOXOL □ U 46 □ U 46DP □ U-5043 □ VERGEMASTER □ VERTON D □ VERTON 2D □ VERTRON 2D □ VIDON 638 □ VISKO-RHAP □ VISKO-RHAP DRIFT HERBICIDES □ VISKO-RHAP LOW VOLATILE 4L □ WEED-AG-BAR □ WEEDAR-64 □ WEED-B-GON □ WEEDEZ WONDER BAR □ WEEDONE LV4 □ WEED TOX □ WEEDTROL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,279,72
eye-rbt 750 µg/24H SEV 28ZPAK -,279,72
sce-hmn:lym 10 mg/L JOHEA8 73,224,82
dni-ham:ovr 1 mmol/L TOLED5 29,137,85
orl-rat TDLo:500 mg/kg (female 6-15D post):REP FCTXAV 9,801,71
orl-mus TDLo:707 mg/kg (female 11-14D post):TER AECTCV 6,33,77
orl-man TDLo:2 g/kg:BAH,PUL ARTODN 66,518,92
orl-man TDLo:5714 mg/kg:BAH,CVS ARTODN 66,518,92
orl-hmn LDLo:80 mg/kg:GIT,CNS ARPAAQ 94,270,72
orl-man LDLo:93 mg/kg:CNS PAREAQ 14,225,52

orl-rat LD50:370 mg/kg FMCHA2 -,C68,83
skn-rat LD50:1500 mg/kg WRPCA2 9,119,70
ipr-rat LDLo:666 mg/kg JIHTAB 29,85,47
orl-mus LD50:347 mg/kg RPZHAW 31,373,80
ipr-mus LDLo:125 mg/kg TXAPA9 23,288,72
orl-dog LD50:100 mg/kg AEHLAU 7,202,63
orl-rbt LDLo:800 mg/kg AMPMAR 12,26,51
skn-rbt LD50:1400 mg/kg AFDOAQ 16,3,52

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,156,87; Human Limited Evidence IMEMDT 41,357,86; Animal Inadequate Evidence IMEMDT 15,111,77; Human Inadequate Evidence IMEMDT 15,111,77. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory. Community Right-To-Know List.

OSHA PEL: TWA 10 mg/m³

ACGIH TLV: TWA 10 mg/m³; Not Classifiable as a Human Carcinogen

DFG MAK: 1 mg/m³

SAFETY PROFILE: Suspected human carcinogen. Experimental teratogenic and reproductive effects. Poison by ingestion, intravenous, and intraperitoneal routes. Moderately toxic by skin contact. Human systemic effects by ingestion: change in heart rate, coma, convulsions, nausea or vomiting, respiratory depression, somnolence. Can cause liver and kidney injury. A skin and severe eye irritant. Human mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: 2,4-D and 2,4,5-T, 5001.

DAA825 CAS: 1928-38-7 HR: D 2,4-D METHYL ESTER

mf: $C_9H_8Cl_2O_3$ mw: 235.07

SYNS: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, METHYL ESTER □ METHYL 2,4-D ESTER

SAFETY PROFILE: An experimental teratogen. When heated to decomposition it emits toxic vapors of Cl⁻.

DAB000 CAS: 8015-35-8 HR: D 2,4-D and 2,4,5-T (2:1)

mf: $C_8H_6Cl_2O_3 \cdot C_8H_5Cl_3O_3$ mw: 476.52

SYN: HORMOSLYR 64

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻. See also AGENT ORANGE.

DAB200 CAS: 33400-47-4 HR: 3 D-10,242

mf: $C_{22}H_{24}N_4O_2 \cdot ClH$ mw: 412.96

SYN: 2-AMINO-6-((1,2-DIPHENYLETHYL)AMINO)-3-PYRIDINE CARBAMIC ACID ETHYL ESTER, MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:163 mg/kg DRFUD4 7,801,82
 orl-mus LD50:295 mg/kg DRFUD4 7,801,82
 orl-dog LD50:40 mg/kg DRFUD4 7,801,82

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

DAB250 CAS: 162430-05-9 HR: 3
DABOIATOXIN

SYN: DABOIA RUSSELLI SIAMENSIS TOXIN

TOXICITY DATA with REFERENCE:

ipr-mus LD50:50 µg/kg TOXIA6 33,63,95

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

DAB400 CAS: 39196-18-4 HR: 3
DACAMOX

mf: C₉H₁₈N₂O₂S mw: 218.35

PROP: A solid. Mp: 56.5–57.5°. IDLH 100 ppm.

SYNS: DIAMOND SHAMROCK DS-15647 □ 3,3-DIMETHYL-1-(METHYLTHIO)-2-BUTANONE-*o*-(METHYLAMINO)-CARBONYL OXIME □ DS-15647 □ ENT 27,851 □ RCRA WASTE NUMBER P045 □ THIOFANOX

TOXICITY DATA with REFERENCE:

orl-rat LD50:8500 µg/kg 85ARAE 1,45,77
 ihl-rat LC50:70 mg/m³ DOVEAA 31,158,77
 skn-rbt LD50:39 mg/kg SPEADM 78-1,60,78
 orl-qal LD50:1200 µg/kg JAFCAU 29,779,81
 orl-dck LD50:109 mg/kg PEMNDP 9,818,91

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

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

DAB600 CAS: 4342-03-4 HR: 3
DACARBAZINE

mf: C₆H₁₀N₆O mw: 182.22

PROP: Ivory microcrystals. Mp: 250–255° (decomp).

SYNS: DETICENE □ DIC □ (DIMETHYLTRIAZENO)IMIDAZ OLECARBOXAMIDE □ 4-(DIMETHYLTRIAZENO)IMIDAZOLE-5-CARBOXAMIDE □ 4-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-5-CARBOXAMIDE □ 4-(5)-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-5(4)-CARBOXAMIDE □ 5-(DIMETHYLTRIAZENO)IMIDAZOLE-4-CARBOXAMIDE □ 5-(3,3-DIMETHYL-TRIAZENO)IMIDAZOLE-4-CARBOXAMIDE □ 5-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-4-CARBOXAMIDE □ 5-(3,3-DIMETHYL-1-TRIAZENYL)-1H-IMIDAZOLE-4-CARBOXAMIDE □ DTIC □ DTIC-DOME □ NCI-C04717 □ NSC-45388

TOXICITY DATA with REFERENCE:

mma-sat 100 µg/plate CRNGDP 3,467,82
 sce-ham:ovr 200 mg/L CNREA8 43,577,83
 orl-rat TDLo:1730 mg/kg/15W-C:CAR JNCIAM 54,951,75
 ipr-rat TDLo:25 mg/kg (20D preg):ETA,TER ARGEAR 50,3-06,80
 ipr-rat TDLo:3900 mg/kg/26W-I:CAR RRCRBU 52,1,75
 ivn-hmn TDLo:3500 µg/kg:GIT,BLD,BIO CCROBU 57,83,73
 orl-rat LD50:2147 mg/kg YACHDS 9,3105,81

ipr-rat LD50:350 mg/kg ARGEAR 50,3-06,80
 ivn-rat LD50:411 mg/kg YACHDS 9,3105,81
 orl-mus LD50:2032 mg/kg YACHDS 9,3105,81
 ipr-mus LD50:567 mg/kg CTRRDO 62,721,78
 par-ham LD10:250 mg/kg JSONAU 15,355,80

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,184,87; Human Limited Evidence IMEMDT 26,203,81; Animal Sufficient Evidence IMEMDT 26,203,81. NCI Carcinogenesis Studies (ipr); Clear Evidence: mouse, rat RRCRBU 52,1,75. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by intraperitoneal and parenteral routes. Moderately toxic by ingestion and intravenous routes. Experimental teratogenic effects. Human systemic effects by intravenous route: nausea or vomiting, leukopenia (reduced white blood cell count), and changes in dehydrogenase enzymatic activity. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DAB630 CAS: 73245-91-7 HR: 3
DACTIMICIN SULFATE

mf: C₁₈H₃₆N₆O₆•2H₂O•H₂O mw: 614.72

SYNS: ANTIBIOTIC SF 2052 SULFATE □ I-CHIRO-INOSITOL, 4-AMINO-1,4-DIDEOXY-3-*o*-(2,6-DIAMINO-2,3,4,6,7-PENTADE-OXY-β-D-LYXO-HEPTOPYRANOSYL)-6-*o*-METHYL-1-(2-(FORMIMIDOYL AMINO)-N-METHYLACETAMIDO)-, SULFATE (1:2),HYDRATE □ SF-2052 SULFATE

TOXICITY DATA with REFERENCE:

scu-rat LD50:3168 mg/kg DECRDP 13,719,1987
 ivn-rat LD50:385 mg/kg DECRDP 13,719,1987
 ims-rat LD50:1235 mg/kg DECRDP 13,719,1987
 scu-mus LD50:1366 mg/kg DECRDP 13,719,1987
 ivn-mus LD50:185 mg/kg DECRDP 13,719,1987
 ims-mus LD50:1337 mg/kg DECRDP 13,719,1987

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

DAB700 HR: 2
DAFFODIL

PROP: Bulb-producing plants with leaves that emerge directly from the bulb which looks much like an onion. A leafless stem carries one or more white or yellow flowers which have a trumpet-shaped section growing from the center of a flat corona. They are native to Europe and northern Africa, and are cultivated as ornamentals in the United States.

SYNS: JONQUIL □ NARCISO (CUBA, MEXICO) □ NARCISSUS □ NARCISSUS POETICUS □ NARCISSUS PSEUDONARCISSUS □ PACIENCIA

SAFETY PROFILE: The bulbs contain the poisonous lycorine and related alkaloids. They are sometimes mistaken for onions. Ingestion of large amounts can cause nausea, persistent vomiting, and diarrhea.

DAB750 CAS: 18067-13-5 HR: 3
DAIPIN

mf: C₁₈H₂₄NO₄•CH₃O₄S mw: 429.53

SYNS: DD 234 □ ESPASMO GASIUM □ N-METHYLHYOSCINE METHYL SULFATE □ N-METHYLSCOPOLAMINE METHO SULFATE □ METHYLSCOPOLAMINE METHYL SULFATE □ N-METHYLSCOPOLAMINE METHYL SULFATE □ METHYL-SCOPOLAMMONIUM METHYLSULFATE □ SANDRIX

TOXICITY DATA with REFERENCE:

orl-rat LD50:5590 mg/kg IYKEDH 4,90,73
 ipr-rat LD50:212 mg/kg IYKEDH 4,90,73
 scu-rat LD50:1340 mg/kg IYKEDH 4,90,73
 ivn-rat LD50:56,800 µg/kg IYKEDH 4,90,73
 orl-mus LD50:3010 mg/kg IYKEDH 4,90,73
 ipr-mus LD50:116 mg/kg IYKEDH 4,90,73
 scu-mus LD50:558 mg/kg IYKEDH 4,90,73
 ivn-mus LD50:36,900 µg/kg IYKEDH 4,90,73

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

DAB800 CAS: 1172-18-5 HR: 3
DALMANE

mf: C₂₁H₂₃ClFN₃O•2ClH mw: 460.84

PROP: A solid. Mp: 208–218°.

SYNS: BENOZIL □ DALMADORM □ DALMADORM HYDRO CHLORIDE □ DALMATE □ DORMODOR □ FELISON □ FLURAZEPAM DIHYDROCHLORIDE □ FLURAZEPAM HYDROCHLORIDE □ ID 480 DIHYDROCHLORIDE □ INSUMIN □ LUNIPAK □ NSC-78559 □ RO 5-6901 □ SOMLAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:978 mg/kg NIIRDN 6,7-06,82
 ipr-rat LD50:179 mg/kg NIIRDN 6,7-06,82
 scu-rat LD50:859 mg/kg NIIRDN 6,7-06,82
 ivn-rat LD50:40,500 µg/kg NIIRDN 6,7-06,82
 orl-mus LD50:660 mg/kg 26RAAN -,47,73
 ipr-mus LD50:201 mg/kg NIIRDN 6,7-06,82
 scu-mus LD50:440 mg/kg OYYAA2 14,637,77
 ivn-mus LD50:66,900 µg/kg NIIRDN 6,7-06,82
 orl-rbt LD50:568 mg/kg APTAK 178,216,69

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and subcutaneous routes. Habituating and possibly addictive. An hypnotic and sedative. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and Cl⁻.

DAB807 CAS: 5934-69-0 HR: 3
DAMANTOYLDIAZOMETHANE

mf: C₁₂H₁₆N₂O mw: 204.30

SYN: KETONE, 1-ADAMANTYLDIAZO METHYL

TOXICITY DATA with REFERENCE:

ipr-mus LD:>600 mg/kg PCJOAU 8,396,74

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DAB815 CAS: 2307-55-3 HR: 3
2,4-D AMMONIUM SALT

mf: C₈H₆Cl₂O₃•H₃N mw: 238.08

TOXICITY DATA with REFERENCE:

skn-mus TDLo:1300 mg/kg/86W-I:ETA VPITAR 33(5),83,74

ipr-mus LDLo:250 mg/kg JIDHAN 29,85,47

ipr-mus LDLo:250 mg/kg JIDHAN 29,85,47

CONSENSUS REPORTS: IARC Cancer Review: Animal Inadequate Evidence IMEMDT 15,111,77.

SAFETY PROFILE: A poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. An experimental teratogen. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and NH₃.

DAB820 CAS: 101052-67-9 HR: 3
DAMPA D

PROP: Contains 3% dibenzthion, 0.3% dichlorothiocyanoaniline, 1% diphenylhydramine (NIIRDN 6,455,82).

TOXICITY DATA with REFERENCE:

ipr-rat LD50:390 mg/kg NIIRDN 6,445,82
 orl-mus LD50:1880 mg/kg NIIRDN 6,445,82
 ipr-mus LD50:380 mg/kg NIIRDN 6,445,82
 scu-mus LD50:940 mg/kg NIIRDN 6,445,82

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. A topical antibacterial agent. When heated to decomposition it emits toxic fumes of SO_x, NO_x, and CN⁻. See also BENZHYDRYL, THIOCYANATES, and individual components.

DAB825 CAS: 39515-41-8 HR: 3
DANITOL

mf: C₂₂H₂₃NO₃ mw: 349.43

PROP: Synthetic pyrethroid insecticide with repellent and contact activity. Pale yellow oil, n: (26/D) 1.5283.

SYNS: α-CYANO-3-PHENOXYBENZYL 2,2,3,3-TETRAMETHYL-1-CYCLOPROPANECARBOXYLATE □ FENPROPANAGE □ FENPROPATHRIN □ GENPROPATHRIN □ MEOTHRIN □ RODY □ S 32-06 □ SD 417-06 □ WL 417-06

TOXICITY DATA with REFERENCE:

orl-rat LD50:18 mg/kg PSSCBG 8,579,77
 ivn-rat LDLo:2500 µg/kg ARTODN 45,325,80
 ipr-rat LD50:180 mg/kg JPIFAN (38),21,81
 scu-rat LD50:900 mg/kg JPIFAN (38),21,81
 ivn-rat LDLo:2500 µg/kg ARTODN 45,325,80
 orl-mus LD50:58 mg/kg JPIFAN (38),21,81
 skn-mus LD50:740 mg/kg JPIFAN (38),21,81
 ipr-mus LD50:210 mg/kg JPIFAN (38),21,81
 scu-mus LD50:900 mg/kg JPIFAN (38),21,81
 skn-rbt LD50:2000 mg/kg FMCHA2 -,C70,83

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

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

DAB830 CAS: 17230-88-5 HR: 3
DANOCRINE

mf: C₂₂H₂₇NO₂ mw: 337.50

PROP: Crystals from acetone. Mp: 224.4–226.8°.

DAC500**HR: 2****DAY BLOOMING JESSAMINE**

PROP: Evergreen shrubs with smooth-edged, oval leaves and clusters of white, tubular flowers. The day blooming jessamine has flowers that are fragrant during the day with black berries. The night blooming jessamine has flowers that are fragrant at night with white berries. They are native to the West Indies and grow wild and are under cultivation in the United States (Florida, Texas) and Guam.

SYNS: 'ALA-AUMOE (HAWAII) □ C. DIURNUM □ C. NOCTURNUM □ CESTRUM (VARIOUS SPECIES) □ CHINESE INKBERRY □ DAMA de DIA (PUERTO RICO) □ DAMA de NOCHE (PUERTO RICO) □ GALAN de DIA (CUBA) □ GALAN de NOCHE (CUBA) □ HUELE de NOCHE (MEXICO) □ JASMIN de NUIT (HAITI) □ KUPAOA (HAWAII) □ LILAS de NUIT (HAITI) □ MAKAHALA (HAWAII) □ NIGHT BLOOMING JESSAMINE □ ONAONA-IAPANA (HAWAII)

SAFETY PROFILE: The berries and sap contain toxic saponins and nicotine. Ingestion of these plant parts may result in inflammation of the stomach and intestines.

DAC800**CAS: 33857-26-0****HR: 2****DCDD**mf: C₁₂H₆Cl₂O₂ mw: 253.08**PROP:** Colorless crystals. Mp: 201–202°.

SYNS: 2,7-DICHLORODIBENZODIOXIN □ 2,7-DICHLORO-DIBENZO-p-DIOXIN □ 2,7-DICHLORODIBENZO(b,e)(1,4)-DIOXIN □ NCI-C03667

TOXICITY DATA with REFERENCE:

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

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. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse NCITR* NCI-CG-TR-123,79; No Evidence: rat NCITR* NCI-CG-TR-123,79.

SAFETY PROFILE: An eye irritant. Experimental teratogenic data. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl⁻.

DAC975**CAS: 66826-72-0****HR: 2****cis-DCPO**mf: C₃H₄Cl₂O mw: 126.97**PROP:** Bp: 78–80° @ 130 mm.

SYNS: cis-2-CHLORO-3-(CHLOROMETHYL)OXIRANE □ cis-1,3-DICHLORO-1,2-EPOXYPROPANE □ cis-1,3-DICHLORO-PROPENE OXIDE

TOXICITY DATA with REFERENCE:

otr-ham:emb 5 μmol/L JJIND8 69,531,82

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

DAD000**CAS: 14600-07-8****HR: 2****2,4-D CROTYL ESTER**mf: C₁₂H₁₂Cl₂O₃ mw: 275.14**SYN:** CROTYL-2,4-DICHLOROPHENOXYACETATE**TOXICITY DATA with REFERENCE:**ihl-rat LCLo:520 mg/m³/4H HYSAAV 31,383,66

unr-rat LDLo:452 mg/kg HYSAAV 31,383,66

unr-mus LDLo:580 mg/kg HYSAAV 31,383,66

SAFETY PROFILE: Moderately toxic by inhalation and possibly other routes. When heated to decomposition it emits toxic fumes of Cl⁻. See also ESTERS.

DAD040**CAS: 61848-70-2****HR: 3****cis-DDCP**mf: C₆H₄Cl₂N₂Pt mw: 370.11

PROP: Pale yellow crystals. Sol in DMF. IDLH 4 mg/m³ (as Pt).

SYNS: 1,2-DIAMINOCYCLOHEXANEPLATINUM(II) CHLORIDE □ DICHLORO(1,2-CYCLOHEXANEDIAMINE)-PLATINUM □ DICHLORO(1,2-DIAMINOCYCLOHEXANE)-PLATINUM □ DICHLORO(1,2-DIAMINOCYCLOHEXANE)-PLATINUM(II) □ cis-DICHLORO-1,2-DIAMINOCYCLOHEXANE PLATINUM(II) □ NSC-194814 □ PT 155

TOXICITY DATA with REFERENCE:

mmo-sat 20 nmol/plate CNREA8 41,4368,81

dnd-sat 10 mg/L/20H-C CNREA8 41,4368,81

oms-bcs 9900 nmol/L/3H-C CNREA8 41,4368,81

ipr-mus LD50:40,130 μg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PLATINUM COMPOUNDS.

DAD050**HR: 2****trans(+)-DDCP**mf: C₆H₁₄Cl₂N₂Pt mw: 380.176**PROP:** IDLH 4 mg/m³ (as Pt).

SYNS: (SP-4-2)-trans(+)-DICHLORO(1,2-CYCLOHEXANEDIAMINE-N,N')-(9CI) □ XX 212

TOXICITY DATA with REFERENCE:

mmo-sat 20 nmol/plate CNREA8 41,4368,81

dnd-sat 10 mg/L/20H-C CNREA8 41,4368,81

oms-bcs 20 μmol/L/3H-C CNREA8 41,4368,81

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PLATINUM COMPOUNDS.

DAD075**CAS: 61848-66-6****HR: 2****trans(-)-DDCP**mf: C₆H₁₄Cl₂N₂Pt mw: 380.21

PROP: Bright yellow solid. Sol in DMF. IDLH 4 mg/m³ (as Pt).

SYN: trans(-)-DICHLORO-1,2-DIAMINOCYCLOHEXANE-PLATINUM(II)

TOXICITY DATA with REFERENCE:

mmo-sat 20 nmol/plate CNREA8 41,4368,81

dnd-sat 10 mg/L/20H-C CNREA8 41,4368,81

oms-bcs 13 μmol/L/3H-C CNREA8 41,4368,81

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PLATINUM COMPOUNDS.

DAD200**CAS: 50-29-3****HR: 3****DDT**

orl-mus LD50:1800 mg/kg ATSDG 7,90,84
 ipr-mus LD50:550 mg/kg ATSDG 7,90,84
 ivn-mus LD50:112 mg/kg KSRNAM 19,3961,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Human systemic effects by intravenous route: peritonitis, central nervous system, and gastrointestinal changes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻, PO_x, and Na₂O.

**DAE600 CAS: 15652-38-7 HR: 3
 DECAFENTIN**

mf: C₂₈H₃₆P•C₁₈H₁₅BrClSn mw: 868.99

SYNS: A-36 □ CELA A-36 □ DECYLTRIPHENYLPHOSPHONIUM BROMOCHLOROTRIPHENYLSTANNATE □ (DECYLTRIPHENYL-PHOSPHONIUM)-TRIPHENYL-BROM-CHLOR-STANNAT (GERMAN) □ STANNOPLUS □ STANNORAM □ STANNPOUS

TOXICITY DATA with REFERENCE:

orl-rat LD50:700 mg/kg FMCHA2 -,D287,80
 orl-mus LD50:550 mg/kg BESAAT 15,120,69
 skn-rbt LD50:310 mg/kg BESAAT 15,120,69

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 skin contact. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of PO_x, Br⁻, and Cl⁻. A pesticide. See also TIN COMPOUNDS.

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

**DAE625 CAS: 41409-50-1 HR: 3
 DECAFLUOROBUTYRAMIDINE**

mf: C₄F₁₀N₂ mw: 266.04
 C₃F₇C(=NF)NF₂

SAFETY PROFILE: A shock-sensitive explosive. Upon decomposition it emits toxic fumes of F⁻ and NO_x.

**DAE695 CAS: 19590-85-3 HR: 3
 cis-N-(DECAHYDRO-2-METHYL-5-ISOQUINOLYL)-3,4,5-TRIMETHOXYBENZAMIDE**

mf: C₂₀H₃₀N₂O₄ mw: 362.52

SYNS: M-30 □ cis-5,8,10-H-5-(3,4,5-TRIMETHOXYBENZAMIDO)-2-METHYL DECAHYDROISOQUINOLINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:278 mg/kg DECRDP 10,197,84
 ivn-dog LDLo:40 mg/kg DECRDP 10,197,84
 ivn-rbt LDLo:31,600 µg/kg DECRDP 10,197,84

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

**DAE700 CAS: 27460-73-7 HR: 3
 trans-N-(DECAHYDRO-2-METHYL-5-ISO-**

QUINOLYL)-3,4,5-TRIMETHOXYBENZAMIDE

mf: C₂₀H₃₀N₂O₄ mw: 362.52

SYNS: M-32 □ (E)-N-(2-METHYLDECAHYDROISOQUINOL-5-YL)-3,4,5-TRIMETHOXY-BENZAMIDE □ trans-N-(2-METHYL-DECAHYDROISOQUINOL-5-YL)-3,4,5-TRIMETHOXY-BENZ-AMIDE □ 5-(3,4,5-TRIMETHOXYBENZAMIDO)-2-METHYL-trans-DECAHYDROISOQUINOLINE □ trans-9,10-t-5-H-5-(3,4,5-TRIMETHOXYBENZAMIDO)-2-METHYL DECAHYDRO-ISOQUINOLINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:221 mg/kg JMCAR 23,2-06,80
 ivn-dog LDLo:40 mg/kg DECRDP 10,197,84
 ivn-rbt LDLo:17,800 µg/kg DECRDP 10,197,84

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

**DAE800 CAS: 91-17-8 HR: 3
 DECAHYDRONAPHTHALENE**

DOT: UN 1147

mf: C₁₀H₁₈ mw: 138.28

PROP: Water-white liquid with slight menthol odor. Mp: (cis) -43.3°, mp: (trans) -30.7°, bp: (cis) 195.6°, bp: (trans) 187.3°, flash p: 136°F, (CC), autoign temp: 482°F, vap press: (cis) 1 mm @ 22.5°, (trans) 10 mm @ 47.2°, d: (cis) 0.8963 @ 20°/4°, vap d: 4.76, lel: 0.7% @ 212°F, uel: 4.9% @ 212°F.

SYNS: BICYCLO(4.4.0)DECANE □ DEC □ DECALIN □ DECALIN (DOT) □ DECALIN SOLVENT □ DE-KALIN □ DEKALINA (POLISH) □ NAPHTHALANE □ NAPHTHANE □ PERHYDRONAPHTHALENE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51
 eye-rbt 500 mg open AMIHBC 4,119,51
 ihl-hmn TCLo:100 ppm:NOSE,EYE,PUL TGNCDL 2,40,61
 orl-rat LD50:4170 mg/kg AMIHBC 4,119,51
 ihl-rat LCLo:500 ppm/4H AMIHBC 4,119,51
 ihl-mus LCLo:993 ppm/4H NTIS** AD-A-062-138
 skn-rbt LD50:5900 mg/kg AMIHBC 4,119,51
 ihl-gpg LCLo:319 ppm/8H NTIS** AD-A086-341

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by inhalation and ingestion. Questionable carcinogen with experimental carcinogenic and neoplastic data. Mildly toxic by skin contact. Human systemic effects by inhalation: conjunctiva irritation, unspecified olfactory and pulmonary system changes. Can cause kidney damage. Mutation data reported. A skin and eye irritant. Flammable liquid 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 fumes.

**DAF000 CAS: 825-51-4 HR: 2
 DECAHYDRO-2-NAPHTHALENOL**

mf: C₁₀H₁₈O mw: 154.28

PROP: D: 0.996, bp: 109° @ 14 mm, flash p: >112°.

SYNS: DECAHYDRONAPHTHALEN-2-OL □ DECAHYDRO-NAPHTHOL-2 □ DECAHYDRO-β-NAPHTHOL □ trans-DECA-

HYDRO- β -NAPHTHOL \square 2-DECALINOL \square 2-DECALOL \square 2-HYDROXYDECALIN

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,873,74

orl-rat LD50:>5 g/kg FCTXAV 12,873,74

skn-rbt LD50:>5 g/kg FCTXAV 12,873,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAF100 CAS: 10519-11-6 HR: 1
DECAHYDRO- β -NAPHTHYL ACETATE

mf: $C_{12}H_{20}O_2$ mw: 196.32

SYN: 2-NAPHTHOL, DECAHYDRO-, ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,755,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAF150 CAS: 10519-12-7 HR: 1
DECAHYDRO- β -NAPHTHYL FORMATE

mf: $C_{11}H_{18}O_2$ mw: 182.29

SYNS: DECALINYL FORMATE \square 2-NAPHTHALENOL, DECAHYDRO-, FORMATE \square 2-NAPHTHOL, DECAHYDRO-, FORMATE \square SANTALOZONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,757,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAF200 CAS: 705-86-2 HR: 1
 Δ -DECALACTONE

mf: $C_{10}H_{18}O_2$ mw: 170.28

PROP: Colorless liquid; coconut, fruity odor, butterlike on dilution. Refr index: 1.456–1.459. Very sol in alc and propylene glycol; insol in water @ 281°.

SYNS: AMYL- Δ -VALEROLACTONE \square DECANOLIDE-1,5 \square FEMA No. 2361

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 14,659,76

eye-rbt 100 mg MLD NTIS** AD-A053-896

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.

DAF300 CAS: 52918-63-5 HR: 3
DECAMETHRINE

mf: $C_{22}H_{19}Br_2NO_3$ mw: 505.24

PROP: Crystals or powder. Mp: 100°. Sol in ethanol, acetone, and dioxane; insol in water.

SYNS: BUTOFLIN \square BUTOX \square DECAMETHRIN \square DECIS \square DEKAMETRIN (HUNGARIAN) \square DELTAMETHRIN \square

ESBECYTHRIN \square JMC 45498 \square K-OTHRIN \square NRDC 161 \square RU 22974

TOXICITY DATA with REFERENCE:

cyt-ofs-mul 100 nL/L JFIBA9 26,13,85

orl-rat LD50:30 mg/kg FAATDF 7,299,86

ihl-rat LC50:785 mg/m³/2H JEPTDQ 2(3),751,79

ivn-rat LD50:2526 mg/kg PCBPBS 30,79,88

orl-mus LD50:3450 mg/kg IJTEDP 6,127,84

ice-mus LD50:26,100 μ g/kg PCBPBS 24,200,85

ivn-dog LD50:3440 μ g/kg IJTEDP 6,127,84

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, inhalation, intravenous and intracerebral routes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Br⁻, CN⁻, and NO_x. See also ESTERS.

DAF350 CAS: 541-02-6 HR: 1
DECAMETHYLCYCLOPENTASILOXANE

mf: $C_{10}H_{30}O_5Si_5$ mw: 370.85

SYNS: CYCLIC DIMETHYLSILOXANE PENTAMER \square DEKAMETHYLCYCLOPENTASILOXAN \square DIMETHYLSILOXANE PENTAMER \square DOW CORNING 345 \square DOW CORNING 345 FLUID \square KF 995 \square NUC SILICONE VS 7158 \square SF 1202 \square SILICON SF 1202 \square UNION CARBIDE 7158 SILICONE FLUID \square VS 7158

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,1234,86

eye-rbt 500 mg/24H MLD 85JCAE -,1234,86

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.

DAF450 CAS: 63884-28-6 HR: 3
1,1'-DECAMETHYLENEBIS(1-METHYLPYPERIDINIUM IODIDE)

mf: $C_{22}H_{46}N_2 \cdot 2I$ mw: 592.50

TOXICITY DATA with REFERENCE:

scu-mus LD50:3 mg/kg YKKZAJ 74,1267,54

ivn-mus LD50:20 mg/kg BJPCAL 10,124,55

ivn-rbt LDLo:3 mg/kg

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and I⁻. See also IODIDES.

DAF600 CAS: 541-22-0 HR: 3
DECAMETHYLENEBIS(TRIMETHYLAMMONIUM BROMIDE)

mf: $C_{16}H_{38}N_2 \cdot 2Br$ mw: 418.38

PROP: Crystals from MeOH/Me₂CO. Mp: 268–270° (decomp). Insol in Et₂O.

SYNS: DECACURAN \square DECAMETHONIUM \square DECAMETHONIUM BROMIDE \square DECAMETHONIUM DIBROMIDE \square DECAMETHYLENE-1,10-BISTRIMETHYLAMMONIUM DIBROMIDE \square N,N,N',N',N'',N''-HEXAMETHYL-1,10-DECANEDIAMINIUM DIBROMIDE \square SYNCURINE

TOXICITY DATA with REFERENCE:

decomposition it emits toxic fumes of NO_x. See AMINES and AMINES, FATTY.

DAG650 CAS: 646-25-3 HR: 3
1,10-DECANEDIAMINE

mf: C₁₀H₂₄N₂ mw: 172.36

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg JPETAB 90,260,47

ipr-mus LDLo:125 mg/kg CBCCT* 4,377,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAG700 CAS: 71850-03-8 HR: 1
DECANEDIOIC ACID, BIS(2-METHOXYETHYL) ESTER

mf: C₁₆H₃₀O₆ mw: 318.46

TOXICITY DATA with REFERENCE:

orl-rat LD50:4970 mg/kg GISAAA 56(5),61,91

orl-mus LD50:4700 mg/kg GISAAA 56(5),61,91

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

DAG750 CAS: 6071-27-8 HR: 1
1,3-DECANEDIOL

mf: C₁₀H₂₂O₂ mw: 174.32

TOXICITY DATA with REFERENCE:

orl-rat LD50:>20 g/kg USXXAM #3970759

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

DAH400 CAS: 334-48-5 HR: 3
DECANOIC ACID

mf: C₁₀H₂₀O₂ mw: 172.30

PROP: White crystals or needles with an unpleasant odor. D: 0.8858 @ 40°/4°, bp: 270°, mp: 31.5°. Sol in EtOH, Et₂O, Me₂CO, C₆H₆, CHCl₃, and alkalis.

SYNS: CAPRIC ACID □ n-CAPRIC ACID □ CAPRINIC ACID □ CAPRYNIC ACID □ n-DECANOIC ACID □ n-DECOIC ACID □ DECYLIC ACID □ n-DECYLIC ACID □ HEXACID 1095 □ NEO-EAT 10 □ 1-NONANECARBOXYLIC ACID

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,735,79

sln-smc 14,500 ppb ANYAA9 407,186,83

ivn-mus LD50:129 mg/kg APTOA6 18,141,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. A moderate skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

DAH425 CAS: 52627-73-3 HR: 2
tert-DECANOIC ACID

mf: C₁₀H₂₀O₂ mw: 172.30

SYNS: VERSATIC 10 □ VERSATIC 10 ACID

TOXICITY DATA with REFERENCE:

ipr-rat LD50:500 mg/kg HYDRDA 3,201,78

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

DAH450 CAS: 10024-58-5 HR: 1
DECANOIC ACID, DIESTER with TRIETHYLENE GLYCOL (mixed isomers)

mf: C₂₆H₅₀O₆ mw: 458.76

SYN: DIDECANOYLTRIETHYLENE GLYCOL ESTER (mixed isomers)

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:7460 mg/kg AIHAAP 23,95,62

skn-rbt LD50:11,200 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAI000 CAS: 26909-37-5 HR: 3
10-DECARBAMOYLMITOMYCIN C

mf: C₁₄H₁₇N₃O₄ mw: 291.34

SYNS: DCMC □ DECARBAMOYLMITOMYCIN C □ DECARBAMYLMITOMYCIN C

TOXICITY DATA with REFERENCE:

mno-sat 2500 ng/plate MUREAV 149,485,85

sce-hmn:lym 100 nmol/L MUREAV 149,485,85

sce-ham:lng 100 µg/L CNREA8 44,3270,84

ivn-mus LD50:33,800 µg/kg YKKZAJ 92,1218,72

SAFETY PROFILE: Poison by intravenous route. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DAI100 CAS: 66753-10-4 HR: 1
DECARBOXYFENVALERATE

mf: C₂₄H₂₂ClNO mw: 375.92

SYNS: BENZENEPROPANENITRILE, 4-CHLORO-β-(1-METHYLETHYL)-α-(3-PHENOXYPHENYL)- □ 4-CHLORO-β-(1-METHYLETHYL)-α-(3-PHENOXYPHENYL)BENZENE-ROPANENITRILE □ 2-(3-PHENOXYPHENYL)-3-(4-CHLORO-HENYL)-4-METHYLPENTANENITRILE

TOXICITY DATA with REFERENCE:

orl-rat LD:>5 g/kg JTEHD6 18,77,86

ipr-mus LD50:>500 mg/kg JAFCAU 26,954,78

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

DAI200 CAS: 5053-08-7 HR: 3
DECASPIRIDE HYDROCHLORIDE

mf: C₁₅H₂₀N₂O₂•ClH mw: 296.83

PROP: A solid. Mp: 232–233° (decomp).

SYNS: CHLORHYDRATE de PHENETHYL-8-OXA-1-DIAZA-3,8-SPIRO(4,5)DECANONE-2 (FRENCH) □ ESPIRAN □ 8-N-FENETIL-1-OXA-2-OXO-3,8-DIAZASPIRO-(4,5)-DECANO CLORIDRATO (ITALIAN) □ FENSPIRIDE □ FENSPIRIDE HYDROCHLORIDE □ JP 428 HYDROCHLORIDE □ NAT-333 HYDROCHLORIDE □ NDR-5998A HYDROCHLORIDE □ 8-(2-PHENYLETHYL)-1-OXA-3,8-DIAZASPIRO(4,5)DECAN-2-ONE

HYDROCHLORIDE □ PHENETHYL-8-OXA-1-DIAZA-3,8-SPIRO(4,5)DECANONE-2-HYDROCHLORIDE □ PNEUMOREL □ RESPIRIDE □ TEGENCIA HYDROCHLORIDE □ VIARESPAN HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:437 mg/kg ARZNAD 19,1263,69
 ivn-rat LD50:122 mg/kg AIPTAK 193,111,71
 orl-mus LD50:250 mg/kg AIPTAK 193,111,71
 ipr-mus LD50:230 mg/kg ARZNAD 19,1263,69
 ivn-mus LD50:106 mg/kg MEIEDD 10,575,83
 ivn-dog LD50:74 mg/kg BCFAAI 117,343,78
 orl-gpg LD50:260 mg/kg AIPTAK 193,111,71
 ipr-gpg LD50:210 mg/kg AIPTAK 193,111,71

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

DAI350 CAS: 3913-71-1 HR: 2
2-DECENAL

mf: C₁₀H₁₈O mw: 154.28

PROP: Sltly yellow liquid; orange odor. D: 0.836–0.846, refr index: 1.452–1.457. Sol in alc, fixed oils; insol in water.

SYNS: trans-2-DECEN-1-AL □ DECENALDEHYDE □ FEMA No. 2366

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV FCTXAV 17,761,79
 orl-rat LD50:5000 mg/kg FCTXAV 17,761,79
 skn-rbt LD50:3400 mg/kg FCTXAV 17,761,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAI360 CAS: 21662-09-9 HR: 1
cis-4-DECENAL

mf: C₁₀H₁₈O mw: 154.28

PROP: Colorless to sltly yellow liquid; fatty, orangelike odor. D: 0.847, refr index: 1.442–1.444. Sol in alc, fixed oils; insol in water.

SYNS: cis-4-DECEN-1-AL (FCC) □ FEMA No. 3264

TOXICITY DATA with REFERENCE:

skn-gpg 100%/24H MOD FCTOD7 20,663,82
 orl-mus LD50:>5 g/kg FCTOD7 20,663,82
 skn-gpg LD50:>5 g/kg FCTOD7 20,663,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAI400 CAS: 13019-22-2 HR: 3
9-DECEN-1-OL

mf: C₁₀H₂₀O mw: 156.30

PROP: D: 0.875, bp: 108° @ 8 mm, flash p: 104°F.

SYNS: ω-DECENOL □ 1-DECEN-10-OL □ DECYLENIC ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rbt 100% FCTXAV 12,405,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

DAI450 CAS: 50816-18-7 HR: 1
9-DECENYL ACETATE

mf: C₁₂H₂₂O₂ mw: 198.34

PROP: Bp: 95–97° @ 0.09 mm.

SYNS: ACETIC ACID, 9-DECENYL ESTER □ 9-DECEN-1-OL, ACETATE □ DECENYL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTOD7 20,665,82
 orl-rat LD50:>5 g/kg FCTOD7 20,665,82
 skn-rbt LD50:>5 g/kg FCTOD7 20,665,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAI460 CAS: 13560-89-9 HR: 3
DECHLORANE PLUS

mf: C₁₈H₁₂Cl₂ mw: 653.70

PROP: Colorless crystals. Mp: >325°. Soluble in o-dichlorobenzene.

SYNS: DECHLORANE 605 □ DECHLORANE PLUS 515 □ DECHLORANE PLUS 2520

TOXICITY DATA with REFERENCE:

orl-rat LD50:25 g/kg LitL## -06MAY85
 ihl-rat LC50:2250 mg/m³ LitL## -06MAY85
 skn-rbt LD50:8 g/kg LitL## -06MAY85

SAFETY PROFILE: Poison by inhalation. Mildly toxic by skin contact and ingestion. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.

DAI475 CAS: 256-18-1 HR: 3
DECLINAX

mf: C₁₀H₁₃N₃•BrH mw: 256.18

SYNS: DEBRISOQUIN HYDROBROMIDE □ 3,4-DIHYDRO-2(1H)-ISOQUINOLINECARBOXYAMIDINE HYDROBROMIDE □ RO 5-3307

TOXICITY DATA with REFERENCE:

orl-mus LD50:242 mg/kg CTCEA9 6,299,64
 ipr-mus LD50:150 mg/kg CTCEA9 6,299,64
 scu-mus LD50:163 mg/kg CTCEA9 6,299,64
 ivn-mus LD50:40,500 µg/kg CTCEA9 6,299,64

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

DAI485 CAS: 64-73-3 HR: 3
DECLOMYCIN HYDROCHLORIDE

mf: C₂₁H₂₁ClN₂O₈•ClH mw: 501.35

SYNS: 7-CHLORO-6-DEMETHYLTETRACYCLINE HYDROCHLORIDE □ CHLORTETRIN □ DEMECLOCYCLINE HYDROCHLORIDE □ DEMETHYLCHLOROTETRACYCLINE HYDROCHLORIDE □ DEMETHYLCHLORTETRACYCLINE

HYDROCHLORIDE □ DEMETRACICLINA □ DETRAVIS □
LEDERMYCIN HYDROCHLORIDE □ MECICLIN □ MEXOCINE

TOXICITY DATA with REFERENCE:

orl-man TDLo:69 mg/kg/4D-I:SYS AJKDDP 5,270,85
orl-rat LD50:2372 mg/kg TXAPA9 18,185,71
ivn-rat LD50:94 mg/kg DRUGAY -,704,90
orl-mus LD50:2150 mg/kg DRUGAY -,704,90
ivn-mus LD50:275 mg/kg AISMAE 43,143,62

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Human systemic effects by ingestion: depressed renal function tests, urine composition changes, weight loss or decreased weight gain. Human female reproductive effects by an unreported route: delayed effects on newborn. An antibacterial agent. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

DAI495 CAS: 18507-89-6 HR: D DECOQUINATE

mf: C₂₄H₃₅NO₅ mw: 417.53

PROP: Crystals. Mp: 86–87°.

SYNS: DECCOX □ 6-DECYLOXY-7-ETHOXY-4-HYDROXY-3-QUINOLINECARBOXYLID ACID ETHYL ESTER □ ETHYL 6-(N-DECYLOXY)-7-ETHOXY-4-HYDROXYQUINOLINE-3-CARBOXYLATE

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

DAI500 CAS: 2156-96-9 HR: 2 DECYL ACRYLATE

mf: C₁₃H₂₄O₂ mw: 212.37

SYN: n-DECYL ACRYLATE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AIHAAP 23,95,62
orl-rat LD50:6460 mg/kg AIHAAP 23,95,62
skn-rbt LD50:6300 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DAI600 CAS: 112-30-1 HR: 2 DECYL ALCOHOL

mf: C₁₀H₂₂O mw: 158.32

PROP: Found in sweet orange and a few other essential oils (FCTXAV 11,95,73). Colorless, viscous, refractive liquid; floral fruity odor. Mp: 7°, fp: 7°, bp: 232–239° @ 700 mm, flash p: 180°F (OC), d: 0.8297 @ 20°/4°, refr index: 1.435–1.439, vap press: 1 mm @ 69.5°, vap d: 5.3. Sol in alc, ether, mineral oil, propylene glycol, fixed oils; insol in glycerin water @ 233°.

SYNS: AGENT 504 □ ALCOHOL C-10 □ ANTAK □ C 10 ALCOHOL □ CAPRIC ALCOHOL □ CAPRINIC ALCOHOL □ DECANAL DIMETHYL ACETAL □ DECANOL □ n-DECANOL □ 1-DECANOL (FCC) □ n-DECATYL ALCOHOL □ n-DECYL ALCOHOL □ DECYLIC ALCOHOL □ DYTOL S-91 □ EPAL 10 □ FEMA No. 2365 □ LOROL 22 □ NONYL CARBINOL □ PRIMARY DECYL ALCOHOL □ ROYALTAC □ SIPOL L10

TOXICITY DATA with REFERENCE:

skn-hmn 75 mg/3D-I SEV 85DKA8 -,127,77
skn-rbt 2600 mg/kg/24H MOD AIHAAP 34,493,73

eye-rbt 83 mg SEV AIHAAP 34,493,73
orl-rat LD50:4720 mg/kg AIHAAP 34,493,73
ipr-rat LD50:800 mg/kg 38MKAJ 2C,4631,82
orl-mus LD50:6500 mg/kg FMCHA2 -,C208,83
ihl-mus LC50:4 g/m³/2H 85GMAT -,42,82
skn-rbt LD50:3560 mg/kg FCTXAV 11,95,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion and inhalation. A severe human skin and eye irritant. Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. 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 ALCOHOLS.

DAI800 CAS: 85566-12-7 HR: 2 DECYL ALCOHOL (mixed isomers)

mf: C₁₀H₂₂O mw: 158.32

SYNS: ALFOL 810 □ DECANOL (MIXED ISOMERS) □ EMTROL 1630B □ EPAL 810 □ SPROUT-OFF □ TOBACCO SUCKER CONTROL AGENT 148 □ TOBACCO SUCKER CONTROL AGENT 504

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AMIHBC 4,119,51
eye-rbt 500 mg open AMIHBC 4,119,51
orl-rat LD50:4700 mg/kg 37ASAA 1,722,1978
skn-rbt LD50:3560 µL/kg AMIHBC 4,119,1951

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. An eye and severe skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS and DECYL ALCOHOL.

DAJ000 CAS: 1322-98-1 HR: 3 DECYL BENZENE SODIUM SULFONATE

mf: C₁₆H₂₅O₃S·Na mw: 320.46

SYNS: SODIUM DECYLBENZENESULFONAMIDE □ SODIUM DECYLBENZENESULFONATE

TOXICITY DATA with REFERENCE:

eye-rbt 450 mg SEV AROPAW 40,668,48
eye-rbt 1% SEV JAPMA8 38,428,49
orl-mus LD50:2000 mg/kg PSTGAW 3,1,45
ivn-mus LD50:115 mg/kg JAPMA8 38,428,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. A severe eye irritant. When heated to decomposition it emits toxic fumes of SO_x. See also SULFONATES.

DAJ200 CAS: 28519-06-4 HR: 1 DECYL CHLORIDE (mixed isomers)

mf: C₁₀H₂₁Cl mw: 176.76

SYN: CHLORODECANES

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD 34ZIAG -,745,69
orl-rat LD50:45,300 mg/kg AIHAAP 23,95,62
skn-rbt LD50:5660 mg/kg AIHAAP 23,95,62

N-METHYL-N-NITROSOAMINO-1-DESOXY-d-GLUCIT
(GERMAN)

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x . See also NITROSAMINES.

DAS500 CAS: 62422-00-8 HR: D
7-DEOXYNOGALAROL

mf: $\text{C}_{29}\text{H}_{31}\text{NO}_{11}$ mw: 569.61

TOXICITY DATA with REFERENCE:

dni-hmn:oth 2040 nmol/L HXPHAU 38(Pt 2),623,75

oms-hmn:oth 2040 nmol/L HXPHAU 38(Pt 2),623,75

dnd-mam:lym 12 $\mu\text{mol/L}$ CBINA8 36,1,81

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

DAS600 CAS: 37636-51-4 HR: 3
3'-DEOXYPAROMOMYCIN I

mf: $\text{C}_{23}\text{H}_{45}\text{N}_5\text{O}_{13}$ mw: 599.73

PROP: Amorphous powder. Mp: 178–184° (decomp).

SYNS: LIVIDOMYCIN B □ QUINTOMYCIN D

TOXICITY DATA with REFERENCE:

orl-mus LD50:10 g/kg YKYUA6 31,1085,80

scu-mus LD50:1245 $\mu\text{g/kg}$ YKYUA6 31,1085,80

ivn-mus LD50:123 mg/kg 85ERAY 1,682,78

ims-mus LD50:1343 $\mu\text{g/kg}$ YKYUA6 31,1085,80

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

DAS800 CAS: 56530-49-5 HR: 1
**12-DEOXY-PHORBOL-20-ACETATE-13-
DODECANOATE**

mf: $\text{C}_{34}\text{H}_{52}\text{O}_7$ mw: 572.86

SYN: 12-DEOXY-PHORBOL-13-DODECANOATE-20-ACETATE

TOXICITY DATA with REFERENCE:

skn-mus 500 ng/4H APTOA6 37,250,75

skn-mus 2500 ng/24H APTOA6 37,250,75

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

DAT000 CAS: 25090-71-5 HR: 1
**12-DEOXYPHORBOL-20-ACETATE-13-
ISOBUTYRATE**

mf: $\text{C}_{26}\text{H}_{36}\text{O}_7$ mw: 460.62

PROP: Insol in water.

SYN: 12-DEOXYPHORBOL-13-ISOBUTYRATE-20-ACETATE

TOXICITY DATA with REFERENCE:

skn-mus 500 ng/4H APTOA6 37,250,75

skn-mus 6400 ng/24H APTOA6 37,250,75

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

DAT200 CAS: 25090-73-7 HR: 1
**12-DEOXY-PHORBOL-20-ACETATE-13-(2-
METHYLBUTYRATE)**

mf: $\text{C}_{27}\text{H}_{38}\text{O}_7$ mw: 474.65

SYN: 12-DEOXY-PHORBOL-13- α -METHYLBUTYRATE-20-ACETATE

TOXICITY DATA with REFERENCE:

skn-mus 390 ng OPEN ARTODN 44,279,80

skn-mus 2800 ng/24H APTOA6 37,250,75

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

DAT400 CAS: 56602-09-6 HR: 1
**12-DEOXY-PHORBOL-20-ACETATE-13-
OCTENOATE**

mf: $\text{C}_{30}\text{H}_{42}\text{O}_7$ mw: 514.72

SYN: 12-DEOXY-PHORBOL-13-OCTENOATE-20-ACETATE

TOXICITY DATA with REFERENCE:

skn-mus 1800 ng/4H APTOA6 37,250,75

skn-mus 4000 ng/24H APTOA6 37,250,75

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

DAT600 CAS: 25090-72-6 HR: 1
**12-DEOXY-PHORBOL-20-ACETATE-13-
TIGLATE**

mf: $\text{C}_{27}\text{H}_{36}\text{O}_7$ mw: 472.63

PROP: Insol in water.

SYN: 12-DEOXYPHORBOL-13-TIGLATE-20-ACETATE

TOXICITY DATA with REFERENCE:

skn-mus 1800 ng/4H APTOA6 37,250,75

skn-mus 7800 ng/24H APTOA6 37,250,75

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

DAT800 CAS: 69883-99-4 HR: 1
**12-DEOXYPHORBOL-13-(4-ACETOXYPHENYL-
ACETATE)-20-ACETATE**

mf: $\text{C}_{32}\text{H}_{38}\text{O}_9$ mw: 566.4

TOXICITY DATA with REFERENCE:

skn-mus 130 ng OPEN ARTODN 44,279,80

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

DAU000 CAS: 65700-60-9 HR: 1
12-DEOXYPHORBOL-13-ANGELATE

mf: $\text{C}_{25}\text{H}_{34}\text{O}_6$ mw: 430.59

TOXICITY DATA with REFERENCE:

skn-mus 720 ng OPEN ARTODN 44,279,80

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

DAU200 CAS: 65700-59-6 HR: 2
**12-DEOXYPHORBOL-13-ANGELATE-20-
ACETATE**

mf: $\text{C}_{27}\text{H}_{36}\text{O}_7$ mw: 472.63

TOXICITY DATA with REFERENCE:

skn-mus 3 μg OPEN ARTODN 44,279,80

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

DAU400 CAS: 56726-04-6 HR: 1

SAFETY PROFILE: Confirmed human carcinogen. A poison. When heated to decomposition it emits very toxic fumes of As, NO_x, and NH₃. See also ARSENIC.

**DCH000 CAS: 3164-29-2 HR: 3
DIAMMONIUM TARTRATE**

mf: C₄H₆O₆•2H₃N mw: 184.18

PROP: White crystals. D: 1.60. Sol in water.

SYNS: AMMONIUM TARTRATE (DOT) □ AMMONIUM-d-TARTRATE □ 2,3-DIHYDROXYBUTANEDIOIC ACID, DIAMMONIUM SALT □ L-TARTARIC ACID, AMMONIUM SALT □ TARTARIC ACID, DIAMMONIUM SALT

TOXICITY DATA with REFERENCE:

scu-rbt LD50:1130 mg/kg HBAMAK 4,1289,35

ivn-rbt LD50:113 mg/kg HBAMAK 4,1289,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of NH₃ and NO_x.

**DCH200 CAS: 2050-92-2 HR: 3
DIAMYL AMINE**

DOT: UN 2841

mf: C₁₀H₂₃N mw: 157.34

PROP: Water-white liquid. Bp: 210–211°, flash p: 124°F, d: 0.777 @ 20°/20°, vap d: 5.42.

SYNS: DI-n-AMYLAMINE (DOT) □ DIPENTYLAMINE □ PENTYL PENTYLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open SEV UCDS** 8/9/68

orl-rat LD50:270 mg/kg UCDS** 8/9/68

ihl-rat LCLo:63 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:350 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by inhalation, ingestion, and skin contact. A severe skin irritant. See also AMINES. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use alcohol foam, foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

**DCH300 CAS: 27074-70-0 HR: 3
α-(DIAMYLAMINOMETHYL)-1,2,3,4-TETRAHYDRO-9-PHENANTHRENEMETHANOL**

mf: C₂₆H₃₉NO mw: 381.66

SYNS: α-((DIPENTYLAMINO)METHYL)-1,2,3,4-TETRAHYDRO-9-PHENANTHRENEMETHANOL □ 9-PHENANTHRENEMETHANOL, α-((DIPENTYLAMINO)METHYL)-1,2,3,4-TETRAHYDRO- □ 9-PHENANTHRENEMETHANOL, 1,2,3,4-TETRAHYDRO-α-((DIPENTYLAMINO)METHYL)- □ NIH 204 □ SN 1796

TOXICITY DATA with REFERENCE:

ipr-mus LD50:120 mg/kg 85GLAQ 1,309,1946

ivn-mus LD50:35 mg/kg 85GLAQ 1,309,1946

ivn-cat LDLo:20 mg/kg 85GLAQ 1,309,1946

ivn-rbt LDLo:20 mg/kg 85GLAQ 1,309,1946

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

**DCH400 CAS: 79-74-3 HR: 3
2,5-DI-tert-AMYLHYDROQUINONE**

mf: C₁₆H₂₆O₂ mw: 250.42

SYNS: 2,5-BIS(1,1-DIMETHYLPROPYL)HYDROQUINONE □ 2,5-DI-tert-PENTYLHYDROQUINONE □ SANTOUAR A □ SANTOVAR A □ USAF B-21

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 g/kg IPSTB3 3,93,76

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

orl-rbt LD50:2 g/kg IPSTB3 3,93,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.

**DCH600 CAS: 13256-06-9 HR: 2
DI-n-AMYLNITROSAMINE**

mf: C₁₀H₂₂N₂O mw: 186.34

PROP: Clear, light yellow liquid. Bp: 146° @ 12 mm. Sol in water: < 1 mg/mL @ 21°.

SYNS: DIAMYLNITROSAMIN (GERMAN) □ DIPENTYL-NITROSAMINE □ DI-n-PENTYLNITROSAMINE □ N-NITROSDIPENTYLAMINE □ N-NITROSODI-n-PENTYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 465 µg/plate PNASA6 72,5135,75

mma-ham:lng 500 µmol/L IAPUDO 27,179,80

orl-rat LD50:1750 mg/kg NATWAY 48,134,61

scu-rat LD50:3000 mg/kg ZEKBAI 69,103,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #38.

**DCH800 CAS: 28652-04-2 HR: 2
DIAMYLPHENOL**

mf: C₁₆H₂₆O mw: 234.42

PROP: Liquid. Bp: 278°, flash p: 260°F (OC), d: 0.93–0.94.

SYN: DIPENTYL PHENOL

TOXICITY DATA with REFERENCE:

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

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

ipr-rat LD50:620 mg/kg AMIHBC 5,311,52

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A severe skin irritant experimentally. A human skin 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 acrid smoke and fumes. See also PHENOL.

DCI000 CAS: 120-95-6 HR: 3

DI-tert-AMYLPHENOLmf: C₁₆H₂₆O mw: 234.42**PROP:** Molten form. Mp: 23°.**SYNS:** 2,4-DI-tert-AMYLPHENOL □ 2,4-DI-tert-

PENTYLPHENOL □ PHENOL, 2,4-DI-tert-PENTYL- □ PRODOX 156

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD IHFCAY 6,1,67

orl-rat LD50:330 mg/kg IHFCAY 6,1,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also PHENOL.**DCI100 CAS: 63990-57-8 HR: 3
2,4-DI-2-AMYLPHENOXYACETYL CHLORIDE**mf: C₁₈H₂₇ClO₂ mw: 310.90**PROP:** Colorless to light brown colored liquid. D: 1.23. Sol in ethylene dichloride, methylene dichloride, acetone, benzene, and toluene.**SYNS:** ACETYL CHLORIDE, (2,4-BIS(1-METHYLBUTYL)PHENOXY)- □ ACETYL CHLORIDE, 2,4-DI-2-AMYLPHENOXY- □ ACID CHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>3200 mg/kg KODAK* 21MAY1971

ipr-rat LDLo:200 mg/kg KODAK* 21MAY1971

SAFETY PROFILE: A poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of Cl⁻.**DCI400 CAS: 35865-33-9 HR: 3
DIANEMYCIN**mf: C₄₇H₇₈O₁₄ mw: 867.25**PROP:** Crystals. Mp: 72–74° from Me₂CO (aq), mp: 156–157° from EtOH (aq), vap d: 8.1.**TOXICITY DATA with REFERENCE:**

orl-mus LD50:150 mg/kg 37ASAA 3,47,78

ipr-mus LD50:9 mg/kg 37ASAA 3,47,78

scu-mus LD50:40 mg/kg 85ERAY 1,805,78

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits acrid smoke and irritating fumes.**DCI600 CAS: 23261-20-3 HR: 3
DIANHYDROGALACTITOL**mf: C₆H₁₀O₄ mw: 146.16**PROP:** Alkylating agent.**SYNS:** DAD □ DAG □ DIANHYDROCULCITOL □ 1,2,5,6-DIANHYDRODULCITOL □ 1,2,5,6-DIANHYDROGALACTITOL □ 1,2,5,6-DIEPOXYDULCITOL □ DULCITOLDIEPOXIDE □ NSC-132313**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate CRNGDP 3,333,82

dni-mus-ipr 5 mg/kg NEOLA4 31,667,84

orl-rat LD50:14 mg/kg CCROBU 56,593,72

ipr-rat LD50:11 mg/kg CCROBU 56,593,72

ivn-rat LD50:16 mg/kg CCROBU 56,593,72

orl-mus LD50:7899 µg/kg NCISP* JAN86

ipr-mus LD50:15 mg/kg CCROBU 56,593,72

scu-mus LD50:16,500 µg/kg NCISP* JAN86

ivn-mus LD50:21 mg/kg CCROBU 56,593,72

ivn-dog LDLo:16 mg/kg CTRRDO 60,1585,76

SAFETY PROFILE: Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DCI800 CAS: 19895-66-0 HR: 3
DIANHYDROMANNITOL**mf: C₆H₁₀O₄ mw: 146.16**PROP:** Amber liquid. D: 1.05**SYNS:** 1:2:5:6-DIANHYDRO-d-MANNITOL □ NSC-133129**TOXICITY DATA with REFERENCE:**

dnd-ckn:leu 30 mmol/L TELEAY (29),2477,75

dni-rbt:bmr 274 µmol/L BCPCA6 25,1705,76

ipr-rat LD50:14 mg/kg EJCAAH 4,617,68

ipr-mus LD50:20 mg/kg EJCDS 18,573,82

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DCI900 CAS: 42355-01-1 HR: D
1,2,5,6-DIANHYDRO-d-SORBITOL**mf: C₆H₁₀O₄ mw: 146.16**SYNS:** DIEPOXY-SORBITOL □ d-GLUCITOL, 1,2,5,6-DIANHYDRO- □ 9-β,11α-PGF(SUB 2-α)**TOXICITY DATA with REFERENCE:**

dni-rbt-bmr 410 µmol/L BCPCA6 25,1705,1976

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**DCJ000 CAS: 73928-11-7 HR: 3
DIANILINOMERCURY**mf: C₁₂H₁₂HgN₂ mw: 384.85**PROP:** IDLH 10 mg/m³ (as Hg).**SYN:** N,N'-MERCURIDIANILINE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#05148

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Poison by intravenous route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and Hg.**DCJ200 CAS: 119-90-4 HR: 3
o-DIANISIDINE**mf: C₁₄H₁₆N₂O₂ mw: 244.32

PROP: Colorless leaflets or crystals. Mp: 137–138°, flash p: 403°F, vap d: 8.5. Sol in C₆H₆ and AcOH; sltly sol in H₂O.

SYNS: ACETAMINE DIAZO BLACK RD □ AMACEL DEVELOPED NAVY SD □ AZOENE FAST BLUE BASE □ AZOFIX BLUE B SALT □ AZOGNE FAST BLUE B □ BLUE BN BALSE □ BRENTAMINE FAST BLUE B BASE □ CELLITAZOL B □ C.I. 24110 □ C.I. AZOIC DIAZO COMPONENT 48 □ CIBACETE DIAZO NAVY BLUE 2B □ C.I. DISPERSE BLACK 6 □ DIACELLITON FAST GREY G □ DIACEL NAVY DC □ o-DIANISIDIN (CZECH, GERMAN) □ o-DIANISIDINA (ITALIAN) □ O,O'DIANISIDINE □ 3,3'-DIANISIDINE □ DIATO BLUE BASE B □ 3,3'-DIMETHOXYBENZIDIN (CZECH) □ 3,3'-DIMETHOXYBENZIDINE □ 3,3'-DIMETOSSIBENZODINA (ITALIAN) □ FAST BLUE B BASE □ HILTONIL FAST BLUE B BASE □ HILTOSAL FAST BLUE B SALT □ HINDASOL BLUE B SALT □ KAKO BLUE B SALT □ KAYAKU BLUE B BASE □ LAKE BLUE B BASE □ MEISEI TERYL DIAZO BLUE HR □ MITSUI BLUE B BASE □ NAPHTHANIL BLUE B BASE □ NEUTROSEL NAVY BN □ RCRA WASTE NUMBER U091 □ SANYO FAST BLUE SALT B □ SETACYL DIAZO NAVY R □ SPECTROLENE BLUE B

TOXICITY DATA with REFERENCE:

mmo-sat 333 µg/plate ENMUDM 5(Suppl 1),3,83
mma-sat 1 µg/plate IGAYAY 123,18,82
sce-ham:ovr 500 µg/L ENMUDM 7,1,85
oms-dog:oth 100 µmol/L CNREA8 44,1893,84
dnd-dog:oth 100 µmol/L CNREA8 44,1893,84
orl-rat TDLo:12 g/kg/56W-I:ETA GTPZAB 9,18,65
orl-rat LD50:1920 mg/kg 28ZPAK -,119,72
orl-dog LDLo:600 mg/kg AEXPBL 58,167,1907

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,198,87; Animal Sufficient Evidence IMEMDT 4,41,74. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (o-Dianisidine-Based Dyes) Reduce to lowest feasible concentration

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic data. Moderately toxic by ingestion. Mutation data reported. Combustible when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-71.

DCJ400 CAS: 91-93-0 HR: 3
DIANISIDINE DIISOCYANATE

mf: C₁₆H₁₂N₂O₄ mw: 296.30

SYNS: 4,4'-DIISOCYANATO-3,3'-DIMETHOXY-1,1'-BIPHENYL □ 3,3'-DIMETHOXYBENZIDINE-4,4'-DIISOCYANATE □ 3,3'-DIMETHOXY-4,4'-BIPHENYLENE DIISOCYANATE □ NCI-C02175

TOXICITY DATA with REFERENCE:

mmo-sat 3300 ng/plate ENMUDM 7(Suppl 5),1,85
mma-sat 3 µg/plate ENMUDM 7(Suppl 5),1,85
orl-rat TDLo:565 g/kg/78W-I:CAR NCITR* NCI-CG-TR-128,79
orl-rat TD:1200 g/kg/78W-I:CAR NCITR* NCI-CG-TR-128,79
ivn-mus LD50:180 mg/kg CSLNX* NX#02411

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 39,279,86. NCI Carcinogenesis Bioassay (feed); No Evidence: mouse NCITR* NCI-CG-TR-128,79; Clear Evidence: rat NCITR* NCI-CG-TR-128,79.

NIOSH REL: (Diisocyanates) TWA 0.005 ppm; CL 0.02 ppm/10M

SAFETY PROFILE: Poison by intravenous route. A strong sensitizer. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x. See also CYANATES.

DCJ450 HR: 3
DIANTHUS SUPERBUS L., extract

PROP: A Southeast Asian carnation belonging to the family *Caryophyllaceae* ZKPAK 2,366,69

TOXICITY DATA with REFERENCE:

scu-mus TDLo:20 g/kg (female 2D pre):REP MPHEAE 16,414,67
ipr-mus LD50:100 mg/kg IJEBA6 22,312,84

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

DCJ600 CAS: 13601-02-0 HR: 3
DIAQUODIAMINEPLATINUM DINITRATE

mf: H₁₀N₂O₂Pt•N₂O₆ mw: 389.23

PROP: IDLH 4 mg/m³ (as Pt).

SYN: cis-DIAQUODIAMINEPLATINUM(II) DINITRATE

TOXICITY DATA with REFERENCE:

mmo-sat 5 µg/plate MUREAV 48,139,77
idr-hmn TDLo:40 mg/kg:SKN CNREA8 35,2766,75
ipr-mus LDLo:5 mg/kg BICHBX 2,187,73

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic skin effects by intradermal route. Mutagenic data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITRATES and PLATINUM COMPOUNDS.

DCJ700 CAS: 68953-84-4 HR: 2
N,N'-DIARYL-p-PHENYLENEDIAMINE

SYN: 1,4-BENZENEDIAMINE, N,N'- mixed PHENYL and TOLYL derivs.

TOXICITY DATA with REFERENCE:

orl-rat LD50:>2 g/kg ATDAEI 15(Suppl 1),S63,1996

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

DCJ800 CAS: 61790-53-2 HR: 1
DIATOMACEOUS EARTH

PROP: Composed of skeletons of small aquatic plants related to algae and contains as much as 88% amorphous silica (DTLVS* 4,120,80). White to buff-colored solid. Insol in water; sol in hydrofluoric acid.

SYNS: AMORPHOUS SILICA □ CELITE □ D.E. □ DIATOMACEOUS EARTH, NATURAL □ DIATOMACEOUS SILICA □ DIATOMITE □ INFUSORIAL EARTH □ KIESELGUHR □ SILICA, AMORPHOUS-DIATOMACEOUS EARTH (UNCALCINED) (ACGHI)

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,341,87; Animal Inadequate Evidence IMEMDT 42,39,87; Human Inadequate Evidence IMEMDT 42,39,87. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 6 mg/m³

ACGIH TLV: TWA (nuisance particulate) 10 mg/m³ of total dust (when toxic impurities are not present, e.g., quartz <1%)

DFG MAK: 4 mg/m³ as fine dust

SAFETY PROFILE: A nuisance dust that may cause fibrosis of the lungs. Roasting or calcining at high temperatures produces cristobalite and tridymite, thus increasing the fibrogenicity of the material. A questionable carcinogen.

DCJ850 CAS: 7084-07-3 HR: 3
DIATRIN HYDROCHLORIDE

mf: C₁₅H₂₀N₂S•ClH mw: 296.89

PROP: A solid. Mp: 186–187°. Sol in H₂O.

SYNS: ENSTAMINE HYDROCHLORIDE □ METHAPHENYLENE HYDROCHLORIDE □ NILHISTIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:550 mg/kg JPETAB 93,210,48
ipr-mus LD50:117 mg/kg MEIEDD 10,854,83
scu-mus LD50:160 mg/kg JPETAB 93,210,48
ivn-mus LD50:45 mg/kg JPETAB 93,210,48
ivn-rbt LD50:30 mg/kg JPETAB 93,210,48
orl-gpg LD50:900 mg/kg JPETAB 93,210,48
scu-gpg LD50:140 mg/kg JPETAB 93,210,48
ivn-gpg LD50:30 mg/kg JPETAB 93,210,48

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

DCK000 CAS: 117-96-4 HR: 1
DIATRIZOIC ACID

mf: C₁₁H₉I₃N₂O₄ mw: 613.92

PROP: Crystals from EtOH (aq).

SYNS: AMIDOTRIZOIC ACID □ 3,5-BIS(ACETYLAMINO)-2,4,6-TRIODOBENZOIC ACID □ 3,5-DIACETAMIDO-2,4,6-TRIODOBENZOIC ACID □ DIAT (GERMAN) □ DIATRIZOESAUERE (GERMAN) □ ODISTON □ UROGRAFIN ACID □ UROGRANOIC ACID □ UROTRAST

TOXICITY DATA with REFERENCE:

ipr-rat LD50:14,300 mg/kg ARZNAD 15,222,65
ivn-rat LD50:11,300 mg/kg ARZNAD 15,222,65
ivn-mus LD50:8900 mg/kg KSRNAM 19,2411,85
ipr-gpg LD50:13 g/kg ARZNAD 15,222,65

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

DCK200 CAS: 34494-09-2 HR: 2
6,12-DIAZAANTHANTHRENE SULFATE

mf: C₂₀H₁₀N₂•H₂O₄S mw: 376.40

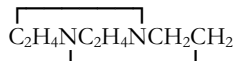
SYNS: ACRIDINO(2,1,9,8-klmna)ACRIDINE SULFATE □ 6,12-DIAZAANTHANTHRENE SULPHATE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to

decomposition it emits very toxic fumes of NO_x and SO_x. See also SULFATES.

DCK400 CAS: 280-57-9 HR: 2
1,4-DIAZABICYCLO(2,2,2)OCTANE

mf: C₆H₁₂N₂ mw: 112.20



PROP: Hygroscopic crystals. Mp: 158°, bp: 174°.

SYNS: BICYCLO(2,2,2)-1,4-DIAZAOCTANE □ DABCO □ DABCO CRYSTAL □ DABCO EG □ DABCO 33LV □ DABCO R-8020 □ DABCO S-25 □ D 33LV □ 1,4-ETHYLENEPIPERAZINE □ TRIETHYLENEDIAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 2500 µg open MLD TXAPA9 4,522,62
eye-rbt 25 mg MOD TXAPA9 4,522,62
orl-rat LD50:1700 mg/kg ZHYGAM 20,393,74
orl-rbt LD50:1100 mg/kg GISAAA 45(5),67,80
orl-gpg LD50:2250 mg/kg GISAAA 45(5),67,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin and eye irritant, allergen, and skin sensitizer. A powerful base. Forms an explosive complex with hydrogen peroxide. Mixtures with carbon auto-ignite at 230°C. Very exothermic reaction with cellulose nitrate. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DCK500 HR: 3
1,4-DIAZABICYCLO(2.2.2)OCTANE HYDROGEN PEROXIDATE

mf: C₆H₁₂N₂•H₂O₂ mw: 146.19



SAFETY PROFILE: Complex explodes when dried at room temperature. Upon decomposition it emits toxic fumes of NO_x. See also PEROXIDES.

DCK700 CAS: 283-66-9 HR: 3
1,6-DIAZA-3,4,8,9,12,13-HEXAOXABICYCLO-(4.4.4)TETRADECANE

mf: C₆H₁₂N₂O₆ mw: 208.17

PROP: Crystals.

SYN: HEXAMETHYLENETRIPEROXYDIAMINE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: The dry material is a powerful explosive that is heat- and shock-sensitive. Explodes on contact with bromine or sulfuric acid. When heated to decomposition it emits toxic fumes of NO_x. See also PEROXIDES.

DCK759 CAS: 439-14-5 HR: 3
DIAZEPAM

mf: C₁₆H₁₃ClN₂O mw: 284.76

PROP: Plates or crystals from Me₂CO/pet ether. Mp: 125–126°.

SYNS: ALBORAL □ AMPROL □ ANSIOLISINA □ APAURIN □ APOZEPAM □ ATENSINE □ ATILEN □ BIALZEPAM □ CALMOCITENE □ CERCINE □ 7-CHLORO-1,3-DIHYDRO-1-METHYL-5-PHENYL-2H-1,4-BENZODIAZEPIN-2-ONE □ 7-CHLORO-1-METHYL-5-3H-1,4-BENZODIAZEPIN-2(1H)-ONE □ 7-CHLORO-1-METHYL-2-OXO-5-PHENYL-3H-1,4-BENZODIAZEPINE □ 7-CHLORO-1-METHYL-5-PHENYL-2H-1,4-BENZODIAZEPIN-2-ONE □ 7-CHLORO-1-METHYL-5-PHENYL-1,3-DIHYDRO-2H-1,4-BENZODIAZEPIN-2-ONE □ CONDITION □ DIACEPAN □ DIAPAM □ DIAZETARD □ DIENPAX □ DIPAM □ DOMALIUM □ DUKSEN □ E-PAM □ ERIDAN □ FAUSTAN □ FRUSTAN □ GIHTAN □ KIATRIUM □ LEMBROL □ LEVIUM □ LIBERETAS □ METHYL DIAZEPINONE □ 1-METHYL-5-PHENYL-7-CHLORO-1,3-DIHYDRO-2H-1,4-BENZODIAZEPIN-2-ONE □ MOROSAN □ NSC-77518 □ PACITRAN □ PAXATE □ PLIDAN □ QUETINIL □ QUIATRIL □ RELAMINAL □ RELANIUM □ RENBORIN □ SAROMET □ SEDIPAM □ SEDUXEN □ SERENACK □ SERENZIN □ SETONIL □ SONACON □ STESOLID □ TENSOPAM □ TRANIMUL □ TRANQUIRIT □ UMBRIUM □ UNISEDIL □ VALEO □ VALITRAN □ VALIUM □ VATRAN □ VIVAL □ ZIPAN

TOXICITY DATA with REFERENCE:

mma-sat 958 nmol/plate CNREA8 38,4478,78
 cyt-wmn-unr 328 mg/kg/78W AJOGAH 107,456,70
 cyt-hmn:leu 10 mg/L AJOGAH 103,836,69
 ivn-wmn TDLo:400 µg/kg (female 39W post):TER JOGBAS 79,635,72
 ivn-inf TDLo:150 µg/kg:SKN,BIO BMJOAE 2,298,77
 orl-man TDLo:143 µg/kg:EYE BCPHBM 1,335,74
 ims-wmn TDLo:181 µg/kg:CNS,CVS BMJOAE 1,144,77
 ivn-man TDLo:143 µg/kg:PUL,CNS JAMAAP 238,1052,77
 ivn-man TDLo:71 µg/kg/1M-C:CVS DICPBB 17,125,83
 orl-rat LD50:352 mg/kg JTCTDW 20,271,83
 ipr-rat LD50:46,500 µg/kg IYKEDH 23,682,92
 scu-rat LD50:6350 µg/kg IYKEDH 23,682,92
 orl-mus LD50:48 mg/kg PCJOAU 17,30,83
 skn-mus LD50:800 mg/kg AREAD8 (4),57,80
 ipr-mus LD50:47 mg/kg AIPTAK 253,164,81
 ivn-mus LD50:25 mg/kg ARZNAD 31,2180,81
 par-mus LD50:150 mg/kg RPTOAN 33,70,70
 ivn-rbt LD50:9 mg/kg IJNEAQ 5,305,66

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,189,87; Animal Inadequate Evidence IMEMDT 7,189,87; Human Inadequate Evidence IMEMDT 7,189,87. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, parenteral, subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by skin contact. Questionable carcinogen with experimental tumorigenic data. Human systemic effects: dermatitis, effect on inflammation or mediation of inflammation, change in cardiac rate, somnolence, respiratory depression, and other respiratory changes, visual field changes, diplopia (double vision), change in motor activity, muscle contraction or spasticity, ataxia (loss of muscle coordination), an antipsychotic and general anesthetic. Human reproductive effects by ingestion and intravenous routes causing developmental abnormalities of the fetal cardiovascular (circulatory) system and postnatal effects. Experimental teratogenic and reproductive effects. Human mutation data reported. An allergen. A drug for the treatment of anxiety. When heated

to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DCL100 CAS: 13556-50-8 HR: 3 1,3-DIAZIDOBENZENE

mf: C₆H₄N₆ mw: 160.14

PROP: Pale-yellow needles by steam distillation.

SAFETY PROFILE: Ignites and may explode weakly on contact with concentrated acids. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL125 CAS: 2294-47-5 HR: 3 1,4-DIAZIDOBENZENE

mf: C₆H₄N₆ mw: 160.16

PROP: Yellow crystals from Et₂O. Mp: 83°.

SYNS: BENZENE, 1,4-DIAZIDO- □ p-DIAZIDOBENZENE (DOT) □ 1,4-DIAZIDOBENZENE □ p-PHENYLENE DIAZIDE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Explodes violently when heated. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL159 CAS: 2294-47-5 HR: 3 2,2-DIAZIDOBUTANE

mf: C₄H₈N₆ mw: 140.15

CH₃C(N₃)₂C₂H₃

SAFETY PROFILE: Potentially explosive. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL200 CAS: 67880-17-5 HR: 3 1,2-DIAZIDOCARBONYL HYDRAZINE

mf: C₂H₂N₈O₂ mw: 170.12

SYN: HYDRAZINE DICARBONIC ACID DIAZIDE (DOT)

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: A heat- and impact-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL300 CAS: 26157-96-0 HR: 3 2,5-DIAZIDO-3,6-DICHLORO BENZOQUINONE

mf: C₆Cl₂N₆O₂ mw: 259.01

O:CC(N₃)=CC(Cl)=C(N₃)=CCl

SAFETY PROFILE: A moderately impact-sensitive explosive. Upon decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL350 CAS: 4774-73-6 HR: 3 DIAZIDODIMETHYLSILANE

mf: C₂H₆N₆Si mw: 142.20

PROP: Liquid. Bp: 144.3°.

SAFETY PROFILE: A storage hazard. It may explode spontaneously. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL400 CAS: 67880-20-0 HR: 3 1,1-DIAZIDOETHANE

mf: C₂H₄N₆ mw: 112.09

PROP: Liquid with chloroform odor. Bp: 38° @ 14 mm.

SAFETY PROFILE: An extremely unstable explosive.

Upon decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL600 CAS: 629-13-0 HR: 3
1,2-DIAZIDOETHANE

mf: C₂H₄N₆ mw: 112.09

PROP: Bp: 54–55° @ 11 mm.

SYN: ETHANE, 1,2-DIAZIDO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Explodes on heating or on contact with sulfuric acid. Upon decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCL800 CAS: 57512-42-2 HR: D
DIAZIDO ETHIDIUM

mf: C₂₁H₁₆N₇•Br mw: 446.35

SYN: 3,8-DIAZIDO-5-ETHYL-6-PHENYLPHENANTHRIDINIUM BROMIDE

TOXICITY DATA with REFERENCE:

mmo-smc 6 µmol/L/10M MUREAV 56,21,77

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

DCM000 CAS: 67880-21-1 HR: 3
DIAZIDOMALONONITRILE

mf: C₃N₈ mw: 148.09

(N₃)₂C(C≡N)₂

PROP: Liquid.

SYN: DIAZIDODICYANOMETHANE

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

SAFETY PROFILE: The pure material is an unpredictable explosive. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. See also AZIDES and NITRILES.

DCM200 HR: 3
DIAZIDOMETHYLENEAZINE

mf: C₂N₁₄ mw: 220.12

SAFETY PROFILE: Very explosive. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCM400 CAS: 67880-22-2 HR: 3
DIAZIDOMETHYLENECYANAMIDE

mf: C₂N₈ mw: 136.08

SAFETY PROFILE: An explosive solid. Upon decomposition it emits toxic fumes of CN⁻ and NO_x. See also CYANIDE and AZIDES.

DCM499 HR: 3
1,3-DIAZIDO-2-NITROAZAPROPANE

mf: C₂H₄N₈O₂ mw: 172.11

SYN: N,N-BIS(AZIDOMETHYL)NITRIC AMIDE

SAFETY PROFILE: An explosive. A high energy component of solid rocket propellants. When heated to

decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCM550 CAS: 57011-48-0 HR: D
1,3-DIAZIDO-2-PROPANOL

mf: C₃H₆N₆O mw: 142.15

SYN: DIAZIDOLYGLYCEROL

TOXICITY DATA with REFERENCE:

mic-sat 1 mmol/L MUREAV 251,13,1991

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

DCM600 CAS: 22750-69-2 HR: 3
1,3-DIAZIDOPROPENE

mf: C₃H₄N₆ mw: 124.10

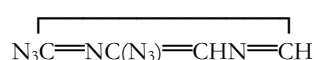
N₃CH=CHCH₂N₃

PROP: Yellow volatile liquid with sltly fishy odor. Bp: 78–79° @ 26 mm.

SAFETY PROFILE: An unpredictable explosive. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also AZIDES.

DCM700 CAS: 74273-75-9 HR: 3
2,6-DIAZIDOPYRAZINE

mf: C₄H₂N₈ mw: 162.11



SAFETY PROFILE: A heat- and impact-sensitive explosive. It may be detonated by heating to 200°C or by a hammer blow. Upon decomposition it emits toxic fumes of NO_x. See also AZIDES.

DCM750 CAS: 333-41-5 HR: 3
DIAZINON

mf: C₁₂H₂₁N₂O₃PS mw: 304.38

PROP: Liquid with faint ester-like odor. Bp: 84° @ 0.002 mm, d: 1.116 @ 20°/4°. Miscible in org solvs.

SYNS: ALFA-TOX □ BASUDIN □ BASUDIN 10 G □ BAZUDEN □ DAZZEL □ O,O-DIAETHYL-O-(2-ISOPROPYL-4-METHYL-PYRIMIDIN-6-YL)-MONOTHIOPHOSPHAT (GERMAN) □ O,O-DIAETHYL-O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDYL-THIONOPHOSPHAT (GERMAN) □ DIANON □ DIATERR-FOS □ DIAZAJET □ DIAZATOL □ DIAZIDE □ DIAZINONE □ DIAZITOL □ DIAZOL □ O,O-DIETHYL-O-(2-ISOPROPYL-4-METHYL-PYRIMIDIN-6-YL)MONOTHIOFOSFAAT (DUTCH) □ O,O-DIETHYL-O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDINYL)-PHOSPHOROTHIOATE □ O,O-DIETHYL-O-(2-ISOPROPYL-6-METHYL-4-PYRIMIDINYL) PHOSPHOROTHIOATE □ DIETHYL 4-(2-ISOPROPYL-6-METHYLPYRIMIDINYL)PHOSPHOROTHIONATE □ O,O-DIETHYL-O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDYL)PHOSPHOROTHIOATE □ O,O-DIETHYL-O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDYL) THIONOPHOSPHATE □ O,O-DIETHYL-2-ISOPROPYL-4-METHYLPYRIMIDYL-6-THIOPHOSPHATE □ O,O-DIETHYL-O-6-METHYL-2-ISOPROPYL-4-PYRIMIDINYL PHOSPHOROTHIOATE □ O,O-DIETHYL-O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDIN-6-IL)-MONOTIOFOSFATO (ITALIAN) □ DIMPYLATE □ DIPOFENE □ DIZINON □ DYZOL □ ENT 19,507 □ G 301 □ G-24480 □ GARDENTOX □ GEIGY 24480 □ O-2-ISOPROPYL-4-METHYLPYRIMIDYL-O,O-DIETHYL PHOSPHOROTHIOATE □ ISOPROPYLMETHYL-PYRIMIDYL DIETHYL THIOPHOSPHATE □ KAYAZINON □ KAYAZOL □ NCI-C08673 □ NEDCIDOL □ NEOCIDOL □

NIPSAN □ NUCIDOL □ SAROLEX □ SPECTRACIDE □
THIOPHOSPHATE de O,O-DIETHYLE et de o-2-ISOPROPYL-4-METHYL-6-PYRIMIDYLE (FRENCH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MOD CIGET* -,77
eye-rbt 100 mg SEV CIGET* -,77
cyt-hmn:lym 500 µg/L TSITAQ 18,1490,76
cyt-ham:lng 100 mg/L/27H MUREAV 66,277,79
orl-hmn TDLo:214 mg/kg:CNS,SKN CTOXAO 12,435,78
orl-rat LD50:66 mg/kg DOEAAH 35,25,79
ihl-rat LC50:3500 mg/m³/4H FMCHA2 -,C75,83
skn-rat LD50:180 mg/kg PMJMAQ -,156,57
ipr-rat LD50:65 mg/kg ARZNAD 5,436,55
orl-mus LD50:17 mg/kg SKEZAP 24,268,83
ihl-mus LC50:1600 mg/m³/4H PSDTAP 15,239,74
skn-mus LD50:2750 mg/kg JTEHD6 9,491,82
ipr-mus LD50:33 mg/kg TXAPA9 2,495,60
scu-mus LD50:58 mg/kg OIZAAV 71,6099,59
ivn-mus LD50:180 mg/kg CSLNX* NX#00023
orl-rbt LD50:143 mg/kg YKYUA6 31,459,80
skn-rbt LD50:180 mg/kg CMEP** -,1,56

CONSENSUS REPORTS: NCI Carcinogenesis

Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-137,79. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.1 mg/m³ (skin)

ACGIH TLV: TWA 0.01 mg/m³ (skin); Not Classifiable as a Human Carcinogen

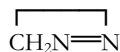
DFG MAK: 1 mg/m³

SAFETY PROFILE: Poison by ingestion, skin contact, subcutaneous, intravenous, and intraperitoneal routes. Mildly toxic by inhalation. Human systemic effects by ingestion: changes in motor activity, muscle weakness, and sweating. Experimental teratogenic and reproductive effects. A skin and severe eye irritant. Human mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-62.

DCM800 CAS: 157-22-2 HR: 3
DIAZIRINE

mf: CH₂N₂ mw: 42.04



PROP: Bp: -14°C.

SAFETY PROFILE: The gas explodes when heated. Upon decomposition it emits toxic fumes of NO_x.

DCM875 CAS: 76429-98-6 HR: 3
DIAZIRINE-3,3-DICARBOXYLIC ACID

mf: C₃H₂N₂O₄ mw: 130.06

PROP: A solid. Mp: 76°.

SAFETY PROFILE: The potassium salts of this acid are unstable explosives. When heated to decomposition it emits toxic fumes of NO_x.

DCN000 CAS: 436-40-8 HR: D
2,5-DIAZIRINO-3,6-DIPROPOXY-p-BENZO-QUINONE

mf: C₁₆H₂₂N₂O₄ mw: 306.40

PROP: Reddish-brown leaflets. Mp: 103.5–104°. Practically insol in H₂O.

SYNS: 2,5-BIS(1-AZIRIDINYL)3,6-DIPROPOXY-2,5-CYCLO-HEXADIENE-1,4-DIONE (9CI) □ 2,5-BIS(ETHYLENEIMINO)-3,6-DIPROPOXY-1,4-BENZOQUINONE □ INPROQUONE

TOXICITY DATA with REFERENCE:

dnd-dmg-orl 10 µmol/L CNREA8 30,195,70
sln-dmg-orl 50,000 ppm MUREAV 2,29,65

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DCN200 CAS: 6832-13-9 HR: 3
DIAZOACETALDEHYDE

mf: C₂H₂N₂O mw: 70.05

PROP: D: 1.159 @ 20°, bp: 40° @ 10 mm.

SAFETY PROFILE: A powerful, heat-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES and ALDEHYDES.

DCN600 CAS: 38726-91-9 HR: 2
2-(DIAZOACETAMINO)-N-ETHYLACETAMIDE

mf: C₆H₁₀N₄O₂ mw: 170.20

SYNS: 2-(DIAZOACETYL)AMINO-N-ETHYLACETAMIDE □ N-DIAZOACETYLGLYCINEETHYLAMIDE □ N-ETHYLDIAZOACETYLGLYCINE AMIDE

TOXICITY DATA with REFERENCE:

dns-mus:fbr 2500 mmol/L JCROD7 94,7,79
ipr-mus LD50:3281 mg/kg ARZNAD 23,690,73

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DCN800 CAS: 623-73-4 HR: 3
DIAZOACETIC ESTER

mf: C₄H₆N₂O₂ mw: 114.12
N₂CHCO•OC₂H₅

PROP: Yellow oil with pungent odor. Mp: -22°, bp: 141° @ 720 mm.

SYNS: DAAE □ DIAZOACETIC ACID, ETHYL ESTER □ DIAZOESSIGSAEURE-AETHYLESTER (GERMAN) □ EDA □ ETHOXYCARBONYLDIAZOMETHANE □ ETHYL DIAZOACETATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg XENOBH 3,271,73
ivn-rat LD50:280 mg/kg PSEBAA 135,219,70

SAFETY PROFILE: Poison by ingestion and intravenous routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Can explode. Explodes on contact with tris(dimethylamino) antimony. When heated to decomposition it emits toxic fumes of NO_x. See also ESTERS.

DCN875 CAS: 13138-21-1 HR: 3
DIAZOACETONITRILE

mf: C₂HN₃ mw: 67.05

mf: $C_4H_3N_5O \cdot HCl$ mw: 137.12

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

DCP650 CAS: 23188-23-0 HR: D
DIAZOLE ORANGE O

mf: $C_6H_4N_3O_2 \cdot HO_4S \cdot \frac{1}{2}C_{12}Zn$ mw: 315.78

SYNS: BENZENEDIAZONIUM, 2-NITRO-, HYDROGEN (T-4)-DICHLOROBIS(SULFATO(2-)-O)ZINCATE(4-) (2:2:1) □ BENZENEDIAZONIUM, o-NITRO-, SULFATE (1:1), COMPD. WITH ZINC CHLORIDE (2:1)

TOXICITY DATA with REFERENCE:

mic-uns 100 ppm SOGEBZ 4,1466,1968

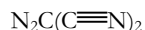
SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and SO_x .

DCP700 CAS: 59348-62-8 HR: 3
DIAZOMALONIC ACID

mf: $C_3H_2N_2O_4$ mw: 130.06

SAFETY PROFILE: The impure acid and the diethyl ester are explosive. When heated to decomposition it emits toxic fumes of NO_x . See also AZIDES.

DCP775 CAS: 1618-08-2 HR: 3
DIAZOMALONONITRILE

mf: C_3N_4 mw: 92.06

PROP: Pale-yellow crystals solid.

SYN: DIAZODICYANOMETHANE

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

SAFETY PROFILE: An explosive sensitive to sparks or heating to $75^\circ C$. When heated to decomposition it emits toxic fumes of NO_x and CN^- . See also NITRILES and CYANIDE.

DCP800 CAS: 334-88-3 HR: 3
DIAZOMETHANE

mf: CH_2N_2 mw: 42.05

PROP: Yellow gas at ordinary temp which forms yellow solns in ethereal solvs. Mp: -145° , bp: -23° , d: 1.45. IDLH 2 ppm.

SYNS: AZIMETHYLENE □ DIAZIRINE

TOXICITY DATA with REFERENCE:

mmo-nsc 250 mmol/L HERAY 35,521,49

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 7,223,74. EPA Genetic Toxicology Program. Community Right-To-Know List.

OSHA PEL: TWA 0.2 ppm

ACGIH TLV: TWA 0.2 ppm; Suspected Human Carcinogen

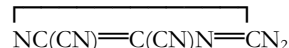
DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic data. A poisonous irritant by inhalation. A powerful allergen. It can cause pulmonary edema and frequently causes hypersensitivity leading to asthmatic symptoms. Mutation data reported. Highly

explosive when shocked, exposed to heat, or by chemical reaction. Undiluted liquid or gas may explode on contact with alkali metals, rough surfaces, heat ($100^\circ C$), high-intensity light, or shock. When heated to decomposition or on contact with acid or acid fumes it emits highly toxic fumes of NO_x . Incompatible with alkali metals; calcium sulfate.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Diazomethane, 2515.

DCP880 CAS: 40953-35-3 HR: 3
2-DIAZONIO-4,5-DICYANOIMIDAZOLIDE

mf: C_5N_6 mw: 144.10

PROP: Crystals from MeCN.

SYN: DIAZODICYANOIMIDAZOLE

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

SAFETY PROFILE: Explodes when heated above $150^\circ C$. The dry material is very shock sensitive. When heated to decomposition it emits toxic fumes of NO_x and CN^- . See also CYANIDE.

DCQ200 CAS: 13101-58-1 HR: 3
5-DIAZONIOTETRAZOLIDE

mf: CN_6 mw: 96.05

SAFETY PROFILE: Concentrated solutions in water explode at $0^\circ C$. When heated to decomposition it emits toxic fumes of NO_x . See also AZIDES.

DCQ400 CAS: 157-03-9 HR: 3
6-DIAZO-5-OXONORLEUCINE

mf: $C_6H_9N_3O_3$ mw: 171.18

PROP: Yellow crystals from EtOH (aq). Mp: $142-150^\circ$ (decomp).

SYNS: DIAZO-OXO-NORLEUCINE □ 6-DIAZO-5-OXO-1-NORLEUCINE □ DON □ NSC-7365

TOXICITY DATA with REFERENCE:

pic-esc 5 μg /plate CNREA8 43,2819,83
 ipr-rat LD50:80 mg/kg CPCHAO 18,307,62
 orl-mus LD50:197 mg/kg NCISP* JAN86
 ipr-mus LDLo:300 mg/kg JOENAK 18,204,59
 ivn-mus LD50:74 mg/kg 85ERAY 2,1253,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DCQ500 CAS: 64781-77-7 HR: 3
4-DIAZO-5-PHENYL-1,2,3-TRIAZOLE

mf: $C_8H_5N_5$ mw: 171.16

SAFETY PROFILE: A heat-sensitive explosive. Upon decomposition it emits toxic fumes of NO_x . See also AZIDES.

**DCQ525 CAS: 5239-06-5 HR: 3
1,3-DIAZOPROPANE**mf: C₃H₄N₄ mw: 96.11**SYN:** PROPANE, 1,3-BIS(DIAZO)-**DOT CLASSIFICATION:** Forbidden**SAFETY PROFILE:** An explosive forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x.**DCQ550 CAS: 2032-04-4 HR: 3
3-DIAZOPROPENE**mf: C₃H₄N₂ mw: 68.08**PROP:** Unstable, used only in soln.**SYN:** VINYL DIAZOMETHANE**SAFETY PROFILE:** A storage hazard. It is potentially explosive and should be stored in the dark below 0°C. When heated to decomposition it emits toxic fumes of NO_x. See also AZIDES.**DCQ560 HR: D
DIAZO RED RD****SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.**DCQ575 HR: 2
3-DIAZOTYRAMINE HYDROCHLORIDE****PROP:** A nitrosated product of TYRAMINEmf: C₈H₉N₃O mw: 163.20**SYNS:** 4-(2-AMINOETHYL)-6-DIAZO-2,4-CYCLOHEXADIENONE HYDROCHLORIDE □ TYRAMINE, 3-DIAZO-, HYDROCHLORIDE**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x.**DCQ600 CAS: 2435-76-9 HR: 3
DIAZOURACIL**mf: C₄H₂N₄O₂ mw: 138.10**PROP:** Crystals from H₂O. Mp: 198° (decomp).**SYNS:** 5-DIAZOPYRIMIDINE-2,4(3H)-DIONE □ 5-DIAZO-2,4(1H,3H)-PYRIMIDINEDIONE □ 5-DIAZOURACIL □ 2,4-DIOSSI-5-DIAZOPIRIMIDINA (ITALIAN) □ 2,6-DIOXO-5-DIAZOPYRIMIDINE □ DU □ NSC-23519 □ (1,2,3)OXADIAZOLO(5,4-d)PYRIMIDIN-5(4H)-ONE**TOXICITY DATA with REFERENCE:**

dnd-sat 10 mg/L MILEDM 1,169,76

dnd-esc 10 mg/L MILEDM 1,169,76

dns-rat:lv 50 µmol/L CALEDQ 13,187,81

ipr-mus LD50:30,800 µg/kg NCISP* JAN86

scu-mus LD10:22 mg/kg EJCAAH 10,667,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by subcutaneous and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DCQ650 CAS: 94362-44-4 HR: 2
DIAZO V****SYN:** DIAZO RESIN V**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DCQ700 CAS: 364-98-7 HR: 3
DIAZOXIDE**mf: C₈H₇ClN₂O₂S mw: 230.68**PROP:** Crystals from dilute alc. Mp: 330–331°. Sol in alc and alkaline solns; insol in water.**SYNS:** 7-CHLORO-3-METHYL-2H-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE □ 7-CLORO-3-METIL-2H-1,2,4-BENZOTIADI-AZINE-1,1-DIOSSIDO (ITALIAN) □ DIAZOSSIDO (ITALIAN) □ DIZOXIDE □ EUDEMINE INJECTION □ HYPERSTAT □ HYPERTONALUM □ MUTABASE □ PROGLICEM □ SRG 95213**TOXICITY DATA with REFERENCE:**

orl-rat LD50:980 mg/kg AIPTAK 143,446,63

ipr-rat LD50:510 mg/kg AIPTAK 143,446,63

orl-mus LD50:444 mg/kg JPETAB 136,344,62

ipr-mus LD50:326 mg/kg JPETAB 136,344,62

ivn-mus LD50:228 mg/kg JPETAB 136,344,62

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. An experimental teratogen. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x.**DCQ800 CAS: 34493-98-6 HR: 3
DIBEKACIN**mf: C₁₈H₃₇N₅O₈ mw: 451.60**PROP:** A solid.**SYNS:** DEBECACIN □ DIDEOXYKANAMYCIN B □ 3',4'-DIDEOXYKANAMYCIN B □ DKB □ ORBICIN**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:16,760 µg/kg IYKEDH 6,119,75

scu-rat LD50:23,870 µg/kg IYKEDH 6,119,75

ivn-rat LD50:12,510 µg/kg IYKEDH 6,119,75

orl-mus LD50:763 mg/kg IYKEDH 6,119,75

ipr-mus LD50:11,960 µg/kg IYKEDH 6,119,75

scu-mus LD50:15,980 µg/kg IYKEDH 6,119,75

ivn-mus LD50:8950 µg/kg IYKEDH 6,119,75

ims-mus LD50:373 mg/kg JOPHDQ 4,356,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal, subcutaneous, intramuscular, and intravenous routes. Moderately toxic by ingestion. Experimental teratogenic and reproductive effects. An antibacterial agent. When heated to decomposition it emits toxic fumes of NO_x.**DCR200 CAS: 55-43-6 HR: 3
DIBENAMINE HYDROCHLORIDE**mf: C₁₆H₁₈ClN•ClH mw: 296.26**SYNS:** N-(2-CHLOROETHYL)DIBENZYLAMINE HYDROCHLORIDE □ DIBENAMINE □ N,N-DIBENZYL-AMINOETHYL CHLORIDE HYDROCHLORIDE □ DIBENZYL-CHLOROETHYLAMINE HYDROCHLORIDE □ DIBENZYLCHL-ORETHYLAMINE HYDROCHLORIDE □ N,N-DIBENZYL-β-CHLOROETHYLAMINE HYDROCHLORIDE □ N,N-DIBENZYL-2-CHLOROETHYLAMINE HYDROCHLORIDE □ SYMPATHOLYTIN**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:75 mg/kg JPETAB 89,167,47

scu-mus LD50:400 mg/kg JPETAB 89,167,47

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mildly toxic by subcutaneous route. Experimental teratogenic and reproductive effects. A psychotropic drug. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DCV800 CAS: 315-72-0 HR: 3
4-(3-(5H-DIBENZ(b,f)AZEPIN-5-YL)PROPYL)-1-PIPERAZINEETHANOL

mf: $\text{C}_{23}\text{H}_{29}\text{N}_3\text{O}$ mw: 363.55

PROP: A solid. Mp: 100–101°.

SYNS: ENDISON □ G 33040 □ GR 33040 □ 5-(3-(4-(2-HYDROXYETHYL)-1-PIPERAZINYL)PROPYL)-5H-DIBENZ(b,f)AZEPINE □ INSIDON □ NISIDANA □ OPIPRAMOL □ OPRAMIDOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1110 mg/kg FRPPAO 25,519,70
 ipr-rat LD50:95 mg/kg AIPTAK 148,560,64
 scu-rat LD50:497 mg/kg AIPTAK 148,560,64
 ivn-rat LD50:32 mg/kg AIPTAK 148,560,64
 orl-mus LD50:443 mg/kg FRPPAO 25,519,70
 ipr-mus LD50:120 mg/kg AIPTAK 148,560,64
 scu-mus LD50:315 mg/kg AIPTAK 148,560,64
 ivn-mus LD50:45 mg/kg AIPTAK 148,560,64
 ivn-rbt LD50:11 mg/kg AIPTAK 148,560,64

SAFETY PROFILE: Poison by intraperitoneal, intravenous, and subcutaneous routes. Moderately toxic by ingestion. Many dibenz-azepine compounds have central nervous system effects. When heated to decomposition it emits toxic fumes of NO_x .

DCW000 CAS: 15727-43-2 HR: 3
DI(BENZENEDIAZONIUM)ZINC TETRACHLORIDE

mf: $\text{C}_{12}\text{H}_{10}\text{Cl}_4\text{N}_4\text{Zn}$ mw: 417.42

PROP: After drying, it can explode.

SYN: BENZENEDIAZONIUM TETRACHLOROZINATE

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

SAFETY PROFILE: May be a light-, heat-, and shock-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x , Cl^- , and ZnO . See also ZINC COMPOUNDS.

DCW200 CAS: 22755-07-3 HR: 3
DI(BENZENEDIAZO)SULFIDE

mf: $\text{C}_{12}\text{H}_{10}\text{N}_4\text{S}$ mw: 242.30

SAFETY PROFILE: The wet solid explodes on impact, heating or contact with air. Upon decomposition it emits toxic fumes of SO_x . See also SULFIDES.

DCW400 CAS: 29342-61-8 HR: 3
DIBENZENESULFONYL PEROXIDE

mf: $\text{C}_{12}\text{H}_{10}\text{O}_6\text{S}_2$ mw: 314.34

PROP: Waxy crystals. Mp: 66°.

SAFETY PROFILE: Explodes when heated to 53°C and when shocked. Decomposes violently when stored at room temperature. Explodes on contact with boiling water or fuming nitric acid. When heated to

decomposition it emits toxic fumes of SO_x . See also PEROXIDES.

DCW600 CAS: 4498-32-2 HR: 3
DIBENZEPIN

mf: $\text{C}_{18}\text{H}_{21}\text{N}_3\text{O}$ mw: 295.37

PROP: A solid. Mp: 116–117°.

SYNS: DIBENZEPINE □ 5,10-DIHYDRO-10-(2-(DIMETHYLAMINO)ETHYL)-5-METHYL-11H-DIBENZO(b,e)(1,4)DIAZEPIN-11-ONE □ 10-(2-(DIMETHYLAMINO)ETHYL)-5,10-DIHYDRO-5-METHYL-11H-DIBENZO(b,e)(1,4)DIAZEPIN-11-ONE □ 10-(2-(DIMETHYLAMINO)ETHYL)-5-METHYL-5H-DIBENZO(b,e)(1,4)DIAZEPIN-11(10H)-ONE □ HF 1927

TOXICITY DATA with REFERENCE:

orl-rat LD50:220 mg/kg INPHB6 1,214,68
 ipr-rat LD50:70 mg/kg INPHB6 1,214,68
 scu-rat LD50:542 mg/kg IYKEDH 6,119,75
 ivn-rat LD50:22 mg/kg INPHB6 1,214,68
 orl-mus LD50:194 mg/kg IYKEDH 6,119,75
 ipr-mus LD50:60 mg/kg ARZNAD 21,1727,71
 scu-mus LD50:90 mg/kg ARZNAD 19,458,69
 ivn-mus LD50:22 mg/kg INPHB6 1,214,68

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Many dibenz-azepine compounds have central nervous system effects. When heated to decomposition it emits toxic fumes of NO_x . See also DIAZEPAM.

DCW800 CAS: 315-80-0 HR: 3
DIBENZEPIN HYDROCHLORIDE

mf: $\text{C}_{18}\text{H}_{21}\text{N}_3\text{O} \cdot \text{ClH}$ mw: 331.88

PROP: A solid. Mp: 234–240°.

SYNS: DIBENZEPIN HYDROCHLORIDE □ HF 1927 □ HYDROFLUORIDE-1927 WANDER □ 5-METHYL-10-β-DIMETHYLAMINOETHYL-10,11-DIHYDRO-11-OXO-5-DIBENZO(b,e)(1,4)DIAZEPIN □ NEODALIT □ NOVERIL □ NOVERYL

TOXICITY DATA with REFERENCE:

orl-rat LD50:220 mg/kg 27ZQAG -,70,72
 ipr-rat LD50:70 mg/kg 27ZQAG -,70,72
 scu-rat LD50:520 mg/kg NIIRDN 6,341,82
 ivn-rat LD50:22 mg/kg 27ZQAG -,70,72
 orl-mus LD50:174 mg/kg NIIRDN 6,341,82
 ipr-mus LD50:64 mg/kg FATOAO 35,274,72
 scu-mus LD50:98 mg/kg FRPPAO 25,519,70
 ivn-mus LD50:22 mg/kg 27ZQAG -,70,72

SAFETY PROFILE: Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. An antidepressant. Many dibenz-azepine compounds have central nervous system effects. When heated to decomposition it emits very toxic fumes of HCl and NO_x . See also DIAZEPAM.

DCX000 CAS: 201-65-0 HR: 2
1,2,3,4-DIBENZFLUORENE

mf: $\text{C}_{21}\text{H}_{14}$ mw: 266.35

SYN: 13H-INDENO(1,2-1)PHENANTHRENE

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

DCX400 CAS: 193-40-8 HR: 2

**DIBENZ(c,f)INDENO(1,2,3-ij)(2,7)NAPHTH-
YRIDINE**mf: C₂₂H₁₂N₂ mw: 304.36**PROP:** Pale-yellow prisms from xylene. Mp: 270–272°.**TOXICITY DATA with REFERENCE:**skn-mus TDLo:1200 mg/kg/52W-I:NEO BJCAAI
17,266,63**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DCX600 CAS: 207-84-1 HR: 2****7H-DIBENZO(a,g)CARBAZOLE**mf: C₂₀H₁₃N mw: 267.34**PROP:** Crystals from Me₂CO or C₆H₆.**SYN:** 1,2,5,6-DIBENZCARBAZOLE**TOXICITY DATA with REFERENCE:**skn-mus TDLo:275 mg/kg/23W-I:ETA PRLBA4
122,429,37**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DCX800 CAS: 239-64-5 HR: 2****7H-DIBENZO(a,i)CARBAZOLE**mf: C₂₀H₁₃N mw: 267.34**PROP:** Crystals from AcOH. Mp: 223.5–224°.**SYN:** 1,2,7,8-DIBENZCARBAZOLE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DCY000 CAS: 194-59-2 HR: 3****7H-DIBENZO(c,g)CARBAZOLE**mf: C₂₀H₁₃N mw: 267.34**PROP:** Needles or crystals from alc. Mp: 158°.**SYNS:** 7-AZA-7H-DIBENZO(c,g)FLUORENE □ 7H-DB(c,g)C □
3,4,5,6-DIBENZCARBAZOL □ 3,4,5,6-DIBENZCARBAZOLE □
3,4,5,6-DIBENZOCARBAZOLE □ 3,4,5,6-
DINAPHTHACARBAZOLE**TOXICITY DATA with REFERENCE:**

mma-sat 20 µg/plate MUREAV 198,15,88

dnd-mus-scu 44 µmol/kg CRNGDP 6,1271,85

skn-mus TDLo:99 mg/kg/99W-I:CAR CALEDQ
37,337,87

ipr-mus LDLo:13 mg/kg BIJOAK 32,1460,38

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 32,315,83; IMEMDT 3,260,73.**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DCY200 CAS: 189-64-0 HR: 3****DIBENZO(b,def)CHRYSENE**mf: C₂₄H₁₄ mw: 302.38**PROP:** Golden-orange plates from trichlorobenzene. Mp: 315°.**SYNS:** BD(a,h)P □ DIBENZO(a,h)PYRENE □ 1,2,6,7-

DIBENZOPYRENE □ 3,4,8,9-DIBENZOPYRENE □ 3,4,8,9-

TOXICITY DATA with REFERENCE:

mma-sat 12,500 pmol/plate CNREA8 41,2589,81

msc-ham:lng 30 µg/L CNREA8 42,1646,82

skn-mus TDLo:287 mg/kg/30W-I:CAR ZKKOBW
89,113,77**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 32,331,83; IMEMDT 3,207,73.**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. Mutation data reported.**DCY400 CAS: 191-30-0 HR: 3****DIBENZO(def,p)CHRYSENE**mf: C₂₄H₁₄ mw: 302.38**PROP:** Pale-yellow plates from C₆H₆/EtOH. Mp: 164–165°**SYNS:** BA 51-090462 □ DB(a,l)P □ DIBENZO(a,d)PYRENE □
DIBENZO(a,l)PYRENE □ 1,2,3,4-DIBENZOPYRENE □ 1,2,9,10-
DIBENZOPYRENE □ 2,3,4,5-DIBENZOPYRENE □ 1,2,3,4-
DIBENZPYRENE □ 4,5,6,7-DIBENZPYRENE**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 32,343,83; Animal Limited Evidence IMEMDT 3,224,73.**SAFETY PROFILE:** Confirmed carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DCY600 CAS: 63040-54-0 HR: 2****DIBENZO(b,def)CHRYSENE-7-CARBOX-
ALDEHYDE**mf: C₂₅H₁₄O mw: 330.39**SYN:** 5-FORMYL-3,4,8,9-DIBENZOPYRENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.**DCY800 CAS: 2869-59-2 HR: 2****DIBENZO(def,p)CHRYSENE-10-CARBOX-
ALDEHYDE**mf: C₂₅H₁₄O mw: 330.39**SYN:** 5-FORMYL-1,2,3,4-DIBENZOPYRENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DCZ000 CAS: 128-66-5 HR: 2****DIBENZO(b,def)CHRYSENE-7,14-DIONE**mf: C₂₄H₁₂O₂ mw: 332.36**PROP:** C.I. vat yellow 4 tested in NCITR* NCI-CG-TR-134,79 consists of 18.2% dibenzo(b,def)chrysene-7,14-dione, 30.8% sorbitol, 5.5% lomar twc, 2.7% glycerin and 42.8% water NCITR* NCI-CG-TR-134,79.

SYNS: AHCOVAT PRINTING GOLDEN YELLOW □ AMANTHRENE GOLDEN YELLOW □ ANTHRAT GOLDEN YELLOW □ ARLANTHRENE GOLDEN YELLOW □ BENZADONE GOLDEN YELLOW □ CALCOLOID GOLDEN YELLOW □ CALEDON GOLDEN YELLOW □ CALEDON PRINTING YELLOW □ CARBANTHRENE GOLDEN YELLOW □ C.I. 59100 □ CIBANONE GOLDEN YELLOW □ C.I. VAT YELLOW □ DIBENZO(a,b)PYRENE-7,14-DIONE □ 2,3,7,8-DIBENZOPYRENE-1,6-QUINONE □ 1',2',6',7'-DIBENZOPYRENE-7,14-QUINONE □ FEMANTHREN GOLDEN YELLOW □ GOLDEN YELLOW □ HELANTHRENE YELLOW □ HOSTAVAT GOLDEN YELLOW □ INDANTHRENE GOLDEN YELLOW □ LEUCOSOL GOLDEN YELLOW □ MAYVAT GOLDEN YELLOW □ MIKETHRENE GOLD YELLOW □ NCI-C03565 □ NIHONTHRENE GOLDEN YELLOW □ NYANTHRENE GOLDEN YELLOW □ PALANTHRENE GOLDEN YELLOW □ PARADONE GOLDEN YELLOW □ PHARMANTHRENE GOLDEN YELLOW □ ROMANTHRENE GOLDEN YELLOW □ SANDOTHRENE PRINTING YELLOW □ SOLANTHRENE BRILLIANT YELLOW □ TINON GOLDEN YELLOW □ TYRION YELLOW □ VAT GOLDEN YELLOW □ YELLOW

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay Completed; Results Positive: Mouse NCITR* NCI-CG-TR-134,79; Negative: Rat NCITR* NCI-CG-TR-134,79. Reported in EPA TSCA Inventory. Community Right-To-Know List.

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

DCY900 CAS: 641-13-4 HR: D
DIBENZO(def,mno)CHRYSENE-6,12-DIONE
 mf: $C_{22}H_{10}O_2$ mw: 306.32

SYNS: ANTHANTHRENEQUINONE □ ANTHANTHRENE

TOXICITY DATA with REFERENCE:

msc-hmn-lym 920 μ g/ MUREAV 371,123,1996

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

DDA100 CAS: 1210-35-1 HR: 1
DIBENZO(a,d)CYCLOHEPTADIEN-5-ONE
 mf: $C_{15}H_{12}O$ mw: 208.27

PROP: Clear to yellow liquid. Mp: 32°, bp: 148°, d: 1.156. Insol in water.

SYNS: DIBENZO(CYCLOHEPTEN-5-ONE, 10,11-DIHYDRO- □ DIBENZO-SUBERAN-5-ONE □ DIBENZOSUBERONE □ 2,3,6,7-DIBENZO-SUBERONE □ DIENONE □ 10,11-DIHYDRO-5H-DIBENZO-(a,d)CYCLOHEPTEN-5-ONE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD JACTDZ 1,186,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDA600 CAS: 438-60-8 HR: 3
N-3-(5H-DIBENZO(a,d)CYCLOHEPTEN-5-YL)PROPYL-N-METHYLAMINE
 mf: $C_{19}H_{21}N$ mw: 263.41

SYNS: 5-(3-METHYLAMINOPROPYL)-5H-DIBENZO(a,d)CYCLOHEPTENE □ MK 240 □ PROTRIPTYLINE □ PROTRYPTYLINE □ TRIPTIL □ VIVACTIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:240 mg/kg FRPPAO 25,519,70

ipr-rat LD50:42 mg/kg FRPPAO 25,519,70

orl-mus LD50:269 mg/kg FRPPAO 25,519,70

ipr-mus LD50:67 mg/kg FRPPAO 25,519,70

scu-mus LD50:192 mg/kg FRPPAO 25,519,70

ivn-mus LD50:30 mg/kg JMCAR 17,65,74

orl-rbt LD50:310 mg/kg FRPPAO 25,519,70

ivn-rbt LD50:8200 mg/kg FRPPAO 25,519,70

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

DDA800 CAS: 262-12-4 HR: 3
DIBENZO-p-DIOXIN

mf: $C_{12}H_8O_2$ mw: 184.20

PROP: Crystals from MeOH. Mp: 119°.

SYNS: DIBENZODIOXIN □ DIBENZO(1,4)DIOXIN □ DIBENZO(b,e)(1,4)DIOXIN □ DIPHENYLENE DIOXIDE □ NCI-C03656 □ OXANTHRENE □ PHENODIOXIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1220 mg/kg CMSHAF 19,989,89

ipr-rat LD50:30 mg/kg PHBUA9 3,337,55

orl-mus LD50:866 mg/kg CMSHAF 19,989,89

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. NCI Carcinogenesis Bioassay Completed; Results Negative NCITR* NCI-CG-TR-122,79.

SAFETY PROFILE: A poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

DDA900 CAS: 203-18-9 HR: D
DIBENZO(j,i)FLUORANTHENE

mf: $C_{24}H_{14}$ mw: 302.38

TOXICITY DATA with REFERENCE:

msc-hmn-lym 100 μ g/ MUREAV 446,1,1999

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

DDB000 CAS: 207-83-0 HR: 2
13H-DIBENZO(a,g)FLUORENE

mf: $C_{21}H_{14}$ mw: 266.35

PROP: Plates from AcOH or EtOAc. Mp: 174–175°, bp: 195–200° @ 0.5 mm.

SYN: 1,2,5,6-DIBENZOFUORENE

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

DDB200 CAS: 239-60-1 HR: 2
13H-DIBENZO(a,i)FLUORENE
 mf: $C_{21}H_{14}$ mw: 266.35

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl₂.

DDF700 CAS: 122-65-6 HR: 3
N,N'-DIBENZYL DITHIOOXAMIDE

mf: C₁₆H₁₆N₂S₂ mw: 300.46

SYNS: OXAMIDE, N,N'-DIBENZYL DITHIO- □ USAF MK-1

TOXICITY DATA with REFERENCE:

ipr-mus LD50:50 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDF800 CAS: 122-75-8 HR: 3
N,N'-DIBENZYLETHYLENEDIAMINE DIACETATE

mf: C₁₆H₂₀N₂•2C₂H₄O₂ mw: 360.50

SYNS: DBED DIACETATE □ ETHYLENEDIAMINE, N,N'-DIBENZYL-, DIACETATE

TOXICITY DATA with REFERENCE:

ims-mus LD50:138 mg/kg ANTCAO 4,633,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDG400 CAS: 3412-76-8 HR: 3
N,N'-DIBENZYLETHYLENEDIAMINE DIHYDROCHLORIDE

mf: C₁₆H₂₀N₂•2ClH mw: 313.30

SYN: DBED DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:630 mg/kg ANTCAO 1,504,51

ipr-mus LD50:104 mg/kg ANTCAO 1,504,51

scu-mus LD50:200 mg/kg ARZNAD 9,628,59

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

DDG600 CAS: 73926-81-5 HR: 3
DIBENZYLETHYLSULFONIUM IODIDE MERCURIC IODIDE

PROP: IDLH 10 mg/m³ (as Hg).

SYN: DIBENZYLETHYLSULFONIUM IODIDE with MERCURY IODIDE (1:1)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#01718

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

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: TWA 0.05 mg(Hg)/m³

SAFETY PROFILE: Poison by intravenous route. See also IODIDES and MERCURY IODIDE. When heated

to decomposition it emits very toxic fumes of Hg, I⁻ and SO_x.

DDG800 CAS: 63-92-3 HR: 3
DIBENZYLNE HYDROCHLORIDE

mf: C₁₈H₂₂ClNO•ClH mw: 340.32

PROP: Crystals from EtOH/Et₂O. Mp: 137.5–140°.

SYNS: 688A □ BENSYLYT □ 2-(N-BENZYL-2-CHLOROETHYL-AMINO)-1-PHENOXYPROPANE HYDROCHLORIDE □ BENZYL(2-CHLOROETHYL)(1-METHYL-2-PHENOXYETHYL)-AMINE HYDROCHLORIDE □ N-BENZYL-N-PHENOXY-ISOPROPYL-β-CHLOROETHYLAMINE HYDROCHLORIDE □ BENZYLIT □ BLOCADREN □ N-(2-CHLOROETHYL)-N-(1-METHYL-2-PHENOXYETHYL)BENZENEMETHANAMINE HYDROCHLORIDE □ N-(2-CHLOROETHYL)-N-(1-METHYL-2-PHENOXYETHYL)BENZYLAMINE HYDROCHLORIDE □ DIBENZYLENE □ DIBENZYLIN □ DIBENZYRAN □ FENOXYBENZAMIN □ NCI-C01661 □ PHENOXYBENZAMIDE HYDROCHLORIDE □ N-PHENOXYISOPROPYL-N-BENZYL-β-CHLOROETHYLAMINE HYDROCHLORIDE □ N-2-PHENOXYISOPROPYL-N-BENZYL-CHLOROETHYLAMINE HYDROCHLORIDE □ SKF 688A

TOXICITY DATA with REFERENCE:

mmo-sat 3 µg/plate EMMUEG 11(Suppl 12),1,88

mma-sat 10 µg/plate EMMUEG 11(Suppl 12),1,88

orl-man TDLo:7143 µg/kg/5D-I:SYS AIMEAS 107,119,87

orl-rat LDLo:800 mg/kg JPETAB 110,463,54

orl-mus LD50:900 mg/kg AIPTAK 108,102,56

ipr-mus LD50:228 mg/kg TXAPA9 28,227,74

scu-mus LD50:105 mg/kg ARZNAD 17,305,67

ivn-mus LD50:63,750 µg/kg EJPHAZ 9,289,70

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 24,185,80. NCI Carcinogenesis Bioassay Completed; Results Positive: mouse, rat NCITR* NCI-CG-TR-72,78.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and teratogenic data. Poison by intraperitoneal, intravenous, and subcutaneous routes. Human systemic effects by ingestion: changes in tubules, including acute renal failure, acute tubular necrosis. Moderately toxic by ingestion. Other experimental reproductive effects. Mutation data reported. A long-acting adrenergic blocker. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.

DDH000 CAS: 780-24-5 HR: 3
DIBENZYL MERCURY

mf: C₁₄H₁₄Hg mw: 382.87

PROP: Colorless crystals or needles from alc. Mp: 111°.

Insol in Et₂O, pet ether; sltly sol in EtOH and C₆H₆; sol in org solvs. IDLH 10 mg/m³ (as Hg).

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#03272

OSHA PEL: TWA 0.01 mg(Hg)/m³; STEL 0.03 mg/m³ (skin)

ACGIH TLV: TWA 0.01 mg(Hg)/m³; BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

ihl-ham LCLo:50 ppm/8H AMIHAB 21,519,60

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.**OSHA PEL:** TWA 0.1 ppm**ACGIH TLV:** TWA 0.1 ppm**DFG MAK:** 0.1 ppm (0.1 mg/m³)**DOT CLASSIFICATION:** 2.1; Label: Flammable Gas (NA 1911); DOT Class: 2.3; Label: Poison Gas, Flammable Gas

SAFETY PROFILE: Poison by inhalation. An irritant to skin, eyes, and mucous membranes comparable to chlorine, fluorine, arsine, and phosgene. The liquid causes local inflammation, blisters, redness, and swelling. Injuries to central nervous system, liver, and kidneys have also been produced in experimental animals. Similar observations have been reported in humans, resulting at times in a reaction resembling metal fume fever. Human exposure to pentaborane has produced signs of severe central nervous system irritation such as drowsiness, dizziness, visual disturbances, muscle twitching, and in severe cases, painful muscle spasm. Dangerously flammable when exposed to heat or flame or by chemical reaction. On contact with moisture, hydrogen is usually evolved. Highly explosive when exposed to heat or flame. Explosive reaction with air, tetravinyllead, O₂ above 165°C, octanol oxime + sodium hydroxide, benzene vapor, HNO₃Cl₂. Violent reaction with halocarbon liquids. Other boron hydrides evolve H₂ upon contact with moisture or can propagate a flame rapidly enough to cause an explosion. Heat can cause these materials to decompose violently or at least to evolve H₂. They also react with water or steam to evolve hydrogen. Reaction with Al or Li forms complex hydrides that may ignite spontaneously in air. Powerful oxidizing agents, such as chlorine gas, etc., can react violently with boron hydrides. Pentaborane (stable) is spontaneously flammable in air. See also BORANES and HYDRIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Diborane, 6006.**DDI500 CAS: 12505-77-0 HR: 3
DIBORON OXIDE**mf: B₂O₂ mw: 53.62**PROP:** Colorless solid. Sol in MeOH and EtOH.**SAFETY PROFILE:** Violent reaction when heated to 400°C. When heated to decomposition it emits acrid smoke and fumes. See also BORON COMPOUNDS.**DDI600 CAS: 13701-67-2 HR: 3
DIBORON TETRACHLORIDE**mf: B₂Cl₄ mw: 163.43**PROP:** Colorless liquid; easily hydrolyzed. Mp: -93°, bp: 66.5°. IDLH 10 mg/m³ (as Hg).**SAFETY PROFILE:** May explode on contact with air or during reaction with dimethylmercury. When heated to decomposition it emits fumes of Cl⁻. See also BORON COMPOUNDS and CHLORIDES.**DDI800 CAS: 13965-73-6 HR: 3
DIBORON TETRAFLUORIDE**mf: B₂F₄ mw: 97.61**PROP:** Colorless gas. Mp: -56°, bp: -34°. IDLH 10 mg/m³ (as Hg).**SAFETY PROFILE:** The gas explodes in the presence of oxygen. It ignites or reacts vigorously with mercury(II) oxide, manganese dioxide, and copper(II) oxide. When heated to decomposition it emits toxic fumes of F⁻. See also BORON COMPOUNDS and FLUORIDES.**DDI900 CAS: 77-48-5 HR: 3
DIBROMANTINE**mf: C₅H₆Br₂N₂O₂ mw: 285.95**SYNS:** DIBROMANTIN □ N,N'-

DIBROMODIMETHYLHYDANTOIN □ 1,3-DIBROMO-5,5-DIMETHYL-2,4-IMIDAZOLIDINEDIONE □ HYDANTOIN, 1,3-DIBROMO-5,5-DIMETHYL- □ 2,4-IMIDAZOLIDINEDIONE, 1,3-DIBROMO-5,5-DIMETHYL-(9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:250 mg/kg GISAAA 36(10),108,71

ihl-rat LCLo:29 g/m³/1H EPASR* 8EHQ-0281-0382

skn-rbt LDLo:20 g/kg EPASR* 8EHQ-0581-0382

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and inhalation routes. Slightly toxic by skin contact. When heated to decomposition it emits toxic vapors of NO_x and Br⁻.**DDJ000 CAS: 10318-26-0 HR: 3
DIBROMODULCITOL**mf: C₆H₁₂Br₂O₄ mw: 308.00**PROP:** A solid. Mp: 187-188°.**SYNS:** DBD □ 1,6-DIBROMODIDEOXYDULCITOL □ 1,6-DIBROMO-1,6-DIDEOXYDULCITOL □ 1,6-DIBROMO-1,6-DIDEOXYGALACTITOL □ 1,6-DIBROMO-1,6-DIDEOXY-D-GALACTITOL □ DIBROMODULCITOL □ 1,6-DIBROMODULCITOL □ ELOBROMOL □ GALACTICOL □ MITOLAC □ MITOLACTOL □ NCI-C04795 □ NSC-104800**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate CRNGDP 3,333,82

dnd-rat-ipr 110 mg/kg CBINA8 47,133,83

bfa rat/sat 450 mg/kg CRNGDP 3,333,82

sce-ham:oth 5500 ng/L CNREA8 43,4530,83

dnd-mam:lym 150 mmol/L CBINA8 47,133,83

orl-rat LD50:1000 mg/kg CCROBU 56,593,72

ipr-rat LD50:470 mg/kg CCROBU 56,593,72

orl-mus LD50:1238 mg/kg NCISP* JAN86

ipr-mus LD50:550 mg/kg ARZNAD 17,145,67

orl-rbt LD50:300 mg/kg CCROBU 56,593,72

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay Completed; Results Positive: mouse, rat (RRCRBU 52,1,75).**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by intraperitoneal route. Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Human mutation data reported. An anti-cancer agent taken orally. When heated to decomposition it emits very toxic fumes of Br⁻.**DDJ100 CAS: 631-64-1 HR: D
DIBROMOACETIC ACID**mf: C₂H₂Br₂O₂ mw: 217.86

PROP: A byproduct of water chlorination.

SYN: ACETIC ACID, DIBROMO-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDJ400 CAS: 3252-43-5 HR: 3
DIBROMOACETONITRILE

mf: C₂HBr₂N mw: 198.86

PROP: Water disinfection agent.

TOXICITY DATA with REFERENCE:

mma-sat 16 µg/plate ENMUDM 8(Suppl 7),1,86

dnd-hmn:lym 50 µmol/L FAATDF 6,447,86

orl-rat LD50:245 mg/kg EVHPAZ 69,183,86

orl-mus LD50:289 mg/kg EVHPAZ 69,183,86

ivn-mus LD50:56 mg/kg CSLNX* NX#05210

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

SAFETY PROFILE: Poison by intravenous route. Questionable carcinogen with experimental carcinogenic data. Experimental reproductive effects. Human mutation data reported. See also NITRILES and BROMIDES. When heated to decomposition it emits very toxic fumes of NO_x, Br⁻, and CN⁻.

DDJ600 CAS: 99-73-0 HR: 3
2,4'-DIBROMOACETOPHENONE

mf: C₈H₆Br₂O mw: 277.96

PROP: Needles from EtOH. Mp: 110–111°.

SYNS: p-BROMOPHENACYL-8 □ p-BROMOPHENACYL BROMIDE □ 4-BROMOPHENACYL BROMIDE □ α,p-DIBROMOACETOPHENONE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#02407

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. See also BROMIDES. When heated to decomposition it emits toxic fumes of Br⁻.

DDJ800 CAS: 624-61-3 HR: 3
DIBROMOACETYLENE

mf: C₂Br₂ mw: 183.83

PROP: Heavy liquid with unpleasant odor. Mp: -25°, bp: explodes, d: 2 (approx), vap d: 6.35.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Ignites spontaneously in air. Explodes when heated. When heated to decomposition it emits toxic fumes of Br⁻. See also ACETYLENE COMPOUNDS.

DDJ850 CAS: 27695-54-1 HR: 3
2-((4-(DIBROMOACETYL)PHENYL)AMINO)-2-ETHOXY-1-(4-NITROPHENYL)ETHANONE

mf: C₁₈H₁₆Br₂N₂O₅ mw: 500.18

SYNS: ETHANONE, 2-((4-(DIBROMOACETYL)PHENYL)-AMINO)-2-ETHOXY-1-(4-NITROPHENYL)- □ KETONE, 2-((4-

(DIBROMOACETYL)PHENYL)AMINO)-2-ETHOXY-1-(4-NITROPHENYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1550 mg/kg ARZNAD 23,573,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DDK875 CAS: 81-98-1 HR: 2
3,9-DIBROMO-7H-BENZ(de)ANTHRACEN-7-ONE

mf: C₁₇H₈Br₂O mw: 388.07

SYNS: 6-Bz-1-DIBROMBENZANTHRON (CZECH) □ 3,9-DIBROMBENZANTHRONE □ 2,7-DIBROMOMESOBENZ-ANTHRONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,89,72

ipr-rat LD50:4900 mg/kg RPTOAN 40,137,77

ipr-mus LD50:1410 mg/kg RPTOAN 40,137,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An eye irritant. When heated to decomposition it emits toxic fumes of Br⁻.

DDJ900 CAS: 26249-12-7 HR: 3
DIBROMOBENZENE

DOT: UN 2711

mf: C₆H₄Br₂ mw: 235.92

SYNS: BENZENE, DIBROMO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:780 mg/kg GTPZAB 20(12),52,76

DOT CLASSIFICATION: 3; Label: Flammable Liquid

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of Br⁻.

DDK050 CAS: 108-36-1 HR: 2
1,3-DIBROMOBENZENE

mf: C₆H₄Br₂ mw: 235.92

PROP: Colorless to light yellow liquid.

SYNS: BENZENE, m-DIBROMO- □ BENZENE, 1,3-DIBROMO-(9CI) □ m-DIBROMOBENZENE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2250 mg/kg GISAAA 44(12),19,79

ipr-mus LD50:900 mg/kg GISAAA 44(12),19,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDK600 CAS: 6305-43-7 HR: 3
2,2'-DIBROMOBIACETYL

mf: C₄H₄Br₂O₂ mw: 243.90

PROP: Crystals from CHCl₃. Mp: 116–117°.

SYN: α,α'-DIBROMOBIACETYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:9400 µg/kg JNCIAM 31,297,63
 ivn-mus LD50:10 mg/kg CSLNX* NX#00598
 ivn-dog LD50:21 mg/kg JNCIAM 31,297,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDL800 CAS: 26637-71-8 HR: 3
DIBROMOBICYCLOHEPTANE (mixed isomers)

mf: C₇H₁₀Br₂ mw: 253.99

SYNS: DIBROMOBICYCLOHEPTANE □
 DIBROMONORBORNANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:210 mg/kg AIHAAP 30,470,69
 skn-rbt LD50:250 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Poison by ingestion and skin contact. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES.

DDK875 CAS: 36333-41-2 HR: 3
1,4-DIBROMO-1,3-BUTADIYNE

mf: C₄Br₂ mw: 207.85



SAFETY PROFILE: Explodes at room temperature. Upon decomposition it emits toxic fumes of Br⁻. See also ACETYLENE COMPOUNDS and BROMIDES.

DDL000 CAS: 110-52-1 HR: 3
1,4-DIBROMOBUTANE

mf: C₄H₈Br₂ mw: 215.94

PROP: A liquid. Fp -20°, bp: 197–198°, d: 1.81 @ 20°/4°.

SYNS: DBB □ 1,4-DIBROMBUTAN (GERMAN)

TOXICITY DATA with REFERENCE:

mno-sat 10 µmol/plate MUREAV 141,11,84
 ipr-mus LD50:300 mg/kg ARZNAD 14,668,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES.

DDL400 CAS: 6974-12-5 HR: 3
1,4-DIBROMO-2-BUTENE

mf: C₄H₆Br₂ mw: 213.92

SYN: TL 80

TOXICITY DATA with REFERENCE:

skn-rbt 1 mg/24H AMIHBC 10,61,54
 eye-rbt 50 µg open SEV AMIHBC 10,61,54
 orl-rat LD50:75 mg/kg AMIHBC 10,61,54
 ihl-mus LCLo:1260 mg/m³/10M NDRC** NDCrc-132, Aug, 42
 ipr-mus LDLo:4 mg/kg CBCCT* 5,338,53

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by inhalation. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES.

DDL600 CAS: 821-06-7 HR: 3

trans-1,4-DIBROMOBUT-2-ENE

mf: C₄H₆Br₂ mw: 213.92

PROP: Leaflets from pet ether. Mp: 54°, bp: 74–76° @ 1.8 mm.

SYNS: DIBROMOBUTENE □ 1,4-trans-DIBROMOBUTENE-2

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV SCCUR* -,3,61
 orl-rat LD50:62 mg/kg SCCUR* -,9,61
 orl-mus LD50:29 mg/kg SCCUR* -,9,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. A severe skin irritant. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES.

DDL700 CAS: 3234-02-4 HR: D
2,3-DIBROMO-2-BUTENE-1,4-DIOL

mf: C₄H₆Br₂O₂ mw: 245.92

SYN: 2-BUTENE-1,4-DIOL, 2,3-DIBROMO-

TOXICITY DATA with REFERENCE:

mic-sat 33 µL/plate ENMUDM 9(Suppl 9),1,1987

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDL800 CAS: 96-12-8 HR: 3
1,2-DIBROMO-3-CHLOROPROPANE

DOT: UN 2872

mf: C₃H₅Br₂Cl mw: 236.35

PROP: Bp: 196°, flash p: 170°F (TOC).

SYNS: BBC 12 □ 1-CHLORO-2,3-DIBROMOPROPANE □ 3-CHLORO-1,2-DIBROMOPROPANE □ DBCP □ DIBROMCHLORPROPAN (GERMAN) □ 1,2-DIBROM-3-CHLORPROPAN (GERMAN) □ DIBROMOCHLOROPROPANE □ 1,2-DIBROMO-3-CHLORO-PROPANO (ITALIAN) □ 1,2-DIBROOM-3-CHLOORPROPAAN (DUTCH) □ FUMAGON □ FUMAZONE □ NCI-C00500 □ NEMABROM □ NEMAFUME □ NEMAGON □ NEMAGONE □ NEMAGON SOIL FUMIGANT □ NEMANAX □ NEMAPAZ □ NEMASET □ NEMATOCIDE □ NEMATOX □ NEMAZON □ OS 1897 □ OXY DBCP □ RCRA WASTE NUMBER U066 □ SD 1897

TOXICITY DATA with REFERENCE:

skn-rbt 10 g SEV TXAPA9 3,545,61
 eye-rbt 1% MLD TXAPA9 3,545,61
 dni-hmn:hla 10 mmol/L MUREAV 92,427,82
 mma-sat 500 ng/plate ENMUDM 7(Suppl 3),15,85
 spm-rbt-orl 375 mg/kg/10W-I FAATDF 6,628,86
 orl-rat LD50:170 mg/kg FMCHA2 -,C76,83
 ihl-rat LC50:103 ppm/8H FEPRA7 15,448,56
 scu-rat LD50:100 mg/kg TXCYAC 27,287,83
 orl-mus LD50:257 mg/kg GUCHAZ 6,172,73
 ipr-mus LD50:123 mg/kg MUREAV 68,169,79
 orl-rbt LD50:180 mg/kg TXAPA9 3,545,61
 skn-rbt LD50:1400 mg/kg TXAPA9 3,545,61
 orl-ckn LD50:60 mg/kg TXAPA9 3,545,61

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,191,87; Animal Sufficient Evidence IMEMDT 15,139,77; Human Limited Evidence IMEMDT 20,83,79;

Animal Sufficient Evidence IMEMDT 20,83,79. NCI Carcinogenesis Bioassay Completed; Results Positive: mouse, rat NCITR* NCI-CG-TR-28,78. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.001 ppm; Cancer Hazard

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Dibromochloropropane) CL 0.01 ppm/30M

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Confirmed human carcinogen with experimental carcinogenic and teratogenic data. Poison by ingestion, inhalation, and subcutaneous routes. Moderately toxic by skin contact. An eye and severe skin irritant. Narcotic in high concentrations. Has been implicated in causing human sterility in male factory workers. Human mutation data reported. A soil fumigant. Combustible. When heated to decomposition it emits toxic fumes of Cl^- and Br^- . See also CHLORIDES and BROMIDES.

DDM000 CAS: 10222-01-2 HR: 3

α,α -DIBROMO- α -CYANOACETAMIDE

mf: $\text{C}_3\text{H}_2\text{Br}_2\text{N}_2\text{O}$ mw: 241.89

SYNS: DBNPA \square DIBROMOCYANOACETAMIDE \square 2,2-DIBROMO-3-NITRILOPROPIONAMIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV PHMCAA 15,226,73

eye-rbt 100 mg SEV PHMCAA 15,226,73

ivn-mus LD50:10 mg/kg CSLNX* NX#07898

orl-mam LD50:118 mg/kg PHMCAA 15,226,73

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List. EPA FIFRA 1988 pesticide subject to registration or re-registration. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intravenous routes. A severe skin and eye irritant. When heated to decomposition it emits very toxic fumes of Br^- and NO_x . See also NITRILES.

DDM200 CAS: 1689-99-2 HR: 3
2,6-DIBROMO-4-CYANOPHENYL OCTANOATE

mf: $\text{C}_{15}\text{H}_{17}\text{Br}_2\text{NO}_2$ mw: 403.15

SYNS: BROMOXYNIL OCTANOATE \square 3,5-DIBROMO-4-OCTANOYLOXYBENZONITRILE \square NCR CE EE DOV7

TOXICITY DATA with REFERENCE:

orl-rat LD50:250 mg/kg 28ZEAL 5,30,76

orl-mus LD50:245 mg/kg 28ZEAL 5,30,76

orl-rbt LD50:2 g/kg GUCHAZ 6,56,73

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

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and Br^- . See also NITRILES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Bromoxynil and Bromoxynil Octanoate, 5010.

DDM300 CAS: 3322-93-8 HR: 2
1,2-DIBROMO-4-(1,2-DIBROMOETHYL)-CYCLOHEXANE

mf: $\text{C}_8\text{H}_{12}\text{Br}_4$ mw: 427.84

SYNS: CITEX BCL 462 \square CYCLOHEXANE, 1,2-DIBROMO-4-(1,2-DIBROMOETHYL)- \square 1-(1,2-DIBROMOETHYL)-3,4-DIBROMOCYCLOHEXANE \square SAYTEX BCL 462

TOXICITY DATA with REFERENCE:

slt-mus:lyms 40 mg/L EMMUEG 17,196,91

cyt-ham:lng 125 mg/L MUREAV 241,175,90

sce-ham:ovr 40 mg/L EMMUEG 13,60,89

orl-rat LD50:3220 mg/kg TSCAT* OTS0505764

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of Br^- .

DDM400 CAS: 996-08-7 HR: 3
DIBROMODIBUTYLSTANNANE

mf: $\text{C}_8\text{H}_{18}\text{Br}_2\text{Sn}$ mw: 392.77

PROP: Mp: 20°.

SYNS: DIBROMODIBUTYL TIN \square DIBUTYL TIN DIBROMIDE

TOXICITY DATA with REFERENCE:

orl-rbt LDLo:150 mg/kg SAIGBL 15,3,73

skn-rbt LDLo:1000 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: Poison by ingestion. Moderately toxic by skin contact. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Br^- .

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

DDM425 CAS: 75-81-0 HR: 3
1,2-DIBROMO-1,1-DICHLOROETHANE

mf: $\text{C}_2\text{H}_2\text{Br}_2\text{Cl}_2$ mw: 256.76

SYNS: A13-14678 \square ETHANE, 1,2-DIBROMO-1,1-DICHLORO- \square NSC 6199

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV EPASR* 8EHQ-0492-3599INIT

eye-rbt 100 mg MOD EPASR* 8EHQ-0492-3599INIT

orl-rat LD50:205 mg/kg EPASR* 8EHQ-0492-3599INIT

ihl-rat LCLo:83 ppm/6H EPASR* 8EHQ-0492-3599INIT

skn-rbt LD50:500 mg/kg EPASR* 8EHQ-0492-3599INIT

SAFETY PROFILE: A poison by ingestion and inhalation. Moderately toxic by skin contact. A skin and eye irritant. When heated to decomposition it emits toxic vapors of Br^- and Cl^- .

DDM500 CAS: 35691-65-7 HR: D
1,2-DIBROMO-2,4-DICYANO BUTANE

mf: $\text{C}_6\text{H}_6\text{Br}_2\text{N}_2$ mw: 265.96

SYNS: 2-BROMO-2-(BROMOMETHYL)GLUTARONITRILE \square GLUTARONITRILE, 2-BROMO-2-(BROMOMETHYL)- \square METHYLDIBROMOGLUTARONITRILE \square PENTANEDINITRILE, 2-BROMO-2-(BROMOMETHYL)-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Br⁻.

DDM600 CAS: 77966-70-2 HR: 3
2',6'-DIBROMO-2-(DIETHYLAMINO)-p-ACETOTOLUIDIDE HYDROCHLORIDE

mf: C₁₃H₁₈Br₂N₂O•ClH mw: 414.61

SYNS: C 3039 □ 2',6'-DIBROMO-2-(DIETHYLAMINO)-4'-METHYLACETANILIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

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

ipr-rat LD50:234 mg/kg ARZNAD 8,270,58

scu-mus LD50:505 mg/kg ARZNAD 8,270,58

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

DDM800 CAS: 52400-80-3 HR: 3
5,6-DIBROMO-2-(2-(2-(DIETHYLAMINO)ETHYL-AMINO)ETHYL)-2-METHYL-1,3-BENZO-DIOXOLE DIHYDROCHLORIDE

mf: C₁₆H₂₄Br₂N₂O₂•2ClH mw: 509.16

TOXICITY DATA with REFERENCE:

ivn-rat LD50:40 mg/kg EJMCA5 12,413,77

ipr-mus LD50:150 mg/kg EJMCA5 12,413,77

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

DDM820 CAS: 23611-68-9 HR: 3
6,8-DIBROMO-DIHYDRO-1,3-BENZOXAZINE-2-THIONE-4-ONE

mf: C₈H₃Br₂NO₂S mw: 337.00

SYNS: 2H-1,3-BENZOXAZINE-2,4(3H)-DIONE, 6,8-DIBROMO-2-THIO- □ 6,8-DIBROMO-2-THIO-2H-1,3-BENZOXAZINE-2,4(3H)-DIONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:200 mg/kg USXXAM #3595959

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

DDN100 CAS: 51877-12-4 HR: 3
1,2-DIBROMO-1,2-DIISOCYANATOETHANE POLYMERS

mf: (C₄H₂Br₂N₂O₂)₂ OR 3

(O=N=CCHBrCHBrC=N=O)₂ OR 3

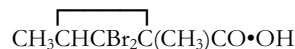
CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Vigorous or explosive reaction on heating with 2-phenyl-2-propyl hydroperoxide. When heated to decomposition it emits toxic fumes of CN⁻, Br⁻, and NO_x. See also CYANIDE.

DDN150 CAS: 72957-64-3 HR: 2
2,2-DIBROMO-1,3-DIMETHYLCYCLO-

PROPANOIC ACID

mf: C₆H₈Br₂O₂ mw: 271.94



SAFETY PROFILE: Vigorous exothermic reaction on contact with tert-butylamine. When heated to decomposition it emits toxic fumes of Br⁻.

DDN200 CAS: 4713-59-1 HR: 3
DIBROMODIPHENYLSTANNANE

mf: C₁₂H₁₀Br₂Sn mw: 432.73

PROP: White or colorless crystals. Mp: 38°; bp: 230° @ 42 mm. Sol in alc and ether.

SYNS: DIPHENYLDIBROMOTIN □ DIPHENYLTIN DIBROMIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:71 mg/kg CSLNX* NX#05803

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

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

mg(Sn)/m³ (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1

mg(Sn)/m³

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

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

DDN300 CAS: 3344-70-5 HR: 3
1,12-DIBROMODODECANE

mf: C₁₂H₂₄Br₂ mw: 328.18

PROP: Solid.

SYNS: α,ω-DIBROMODODECANE □ DODECANE, 1,12-DIBROMO- □ DODECAMETHYLENE DIBROMIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#05707

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDN700 CAS: 56411-66-6 HR: 3
2,3-DIBROMO-5,6-EPOXY-7,8-DIOXABICYCLO-(2.2.2)OCTANE

mf: C₆H₆Br₂O₃ mw: 285.92

SAFETY PROFILE: Explodes on heating. When heated to decomposition it emits toxic fumes of Br⁻. See also PEROXIDES.

DDN800 CAS: 557-91-5 HR: 2
1,1-DIBROMOETHANE

mf: C₂H₄Br₂ mw: 187.88

PROP: Liquid. Insol in water; sol in org solvs. D: 2.06 @ 20.5°/4°, bp: 112.5° @ 755 mm.

SYNS: ETHYLIDENE BROMIDE □ ETHYLIDENE DIBROMIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:110 mg/kg GUCHAZ 6,55,73
 ivn-mus LD50:56 mg/kg CSLNX* NX#02212
 orl-rbt LD50:260 mg/kg 85DPAN -,71/76
 orl-gpg LD50:63 mg/kg GUCHAZ 6,55,73
 orl-dck LD50:200 mg/kg DOEAAH 35,25,79

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

SAFETY PROFILE: Poison by ingestion and intravenous routes. An herbicide. When heated to decomposition it emits highly toxic fumes of NO_x , CN^- , and Br^- . See also NITRILES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Bromoxynil and Bromoxynil Octanoate, 5010.

DDP200 CAS: 3562-84-3 HR: 3
3,5-DIBROMO-4-HYDROXYPHENYL-2-ETHYL-3-BENZOFURANYL KETONE

mf: $\text{C}_{17}\text{H}_{12}\text{Br}_2\text{O}_3$ mw: 424.11

PROP: Yellow prisms. Mp: 151°.

SYNS: BENZBROMARON □ BENZBROMARONE □ DESURIC □ 3-(3,5-DIBROMO-4-HYDROXYBENZOYL)-2-ETHYLBENZO-FURAN □ (3,5-DIBROMO-4-HYDROXYPHENYL)(2-ETHYL-3-BENZOFURANYL)METHANONE □ EXURATE □ L2214 □ MINURIC □ MJ 10061 □ URICOVAC

TOXICITY DATA with REFERENCE:

orl-rat LD50:248 mg/kg IYKEDH 10,232,79
 ipr-rat LD50:239 mg/kg IYKEDH 10,232,79
 scu-rat LD50:1230 mg/kg IYKEDH 10,232,79
 orl-mus LD50:618 mg/kg IYKEDH 10,232,79
 ipr-mus LD50:146 mg/kg OYYAA2 6,341,72
 scu-mus LD50:4120 mg/kg IYKEDH 10,232,79
 ivn-mus LD50:77 mg/kg OYYAA2 6,341,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. Moderately toxic by subcutaneous route. Experimental teratogenic and reproductive effects. A uricosuric agent which promotes the excretion of uric acid in the urine. A flammable liquid. When heated to decomposition it emits toxic fumes of Br^- . See also KETONES.

DDP300 CAS: 73343-74-5 HR: 3
3,5-DIBROMO-4-HYDROXYPHENYL 2-MESITYL-3-BENZOFURANYL KETONE

mf: $\text{C}_{24}\text{H}_{18}\text{Br}_2\text{O}_3$ mw: 514.24

SYNS: BENZOFURAN, 3-(3,5-DIBROMO-4-HYDROXY-BENZOYL)-2-MESITYL- □ (DIBROMO-3,5-HYDROXY-4-BENZOYL)-3-MESITYL-2-BENZOFURANNE □ (3,5-DIBROMO-4-HYDROXYPHENYL)(2-(2,4,6-TRIMETHYLPHENYL)-3-BENZO-FURANYL)M ETHANONE □ KETONE, 3,5-DIBROMO-4-HYDROXYPHENYL 2-MESITYL-3-BENZOFURANYL □ METHANONE, (3,5-DIBROMO-4-HYDROXYPHENYL)(2-(2,4,6-TRIMETHYLPHENYL)-3-BENZOFURANYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:2 g/kg EJMA5 14,517,79

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of Br^- .

DDP400 CAS: 1122-10-7 HR: 3
DIBROMOMALENIMIDE

mf: $\text{C}_4\text{HBr}_2\text{NO}_2$ mw: 254.88

TOXICITY DATA with REFERENCE:

ipr-mus LD50:11 mg/kg ARTODN 37,15,76

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Br^- and NO_x .

DDP600 CAS: 488-41-5 HR: 2
1,6-DIBROMOMANNITOL

mf: $\text{C}_6\text{H}_{12}\text{Br}_2\text{O}_4$ mw: 308.00

PROP: Crystals from MeOH/dichloroethane. Mp: 176–178°.

SYNS: DBM □ DIBROMANNIT □ DIBROMANNITOL □ d-DIBROMANNITOL □ 1,6-DIBROMO-1,6-DIDEOXY-d-MANNITOL □ 1,6-DIBROMO-1,6-d-DIDESOXYMANNITOL □ MITOBROMOL □ MITOBRONITOL □ MYEBROL □ MYELOBROMOL □ NCI-C04762 □ NSC-94100 □ R 54

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/plate CNREA8 43,4530,83
 mma-sat 667 µg/plate ENMUDM 8(Suppl 7),1,86
 sce-hmn:lym 10 nmol/L NGCJAK 15,1085,80
 cyt-mus-ivn 90 mg/kg MUREAV 60,329,79
 sce-ham:oth 1300 ng/L CNREA8 43,4530,83
 orl-rat LD50:1500 mg/kg NIIRDN 6,810,82
 ipr-rat LD50:900 mg/kg EJCAAH 4,617,68
 scu-rat LD50:1240 mg/kg NIIRDN 6,810,82
 ivn-rat LD50:1370 mg/kg IYKEDH 8,680,77
 orl-mus LD50:1380 mg/kg NIIRDN 6,810,82
 ipr-mus LD50:900 mg/kg NIIRDN 6,810,82
 scu-mus LD50:2200 mg/kg NIIRDN 6,810,82
 ivn-mus LD50:2200 mg/kg IYKEDH 8,680,77
 orl-rbt LD50:1080 mg/kg OYYAA2 6,831,72

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay Completed; Results Positive: mouse, rat (RRCRBU 52,1,75).

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Questionable carcinogen with experimental carcinogenic and neoplastigenic data. Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of Br^- .

DDP800 CAS: 74-95-3 HR: 3
DIBROMOMETHANE

DOT: UN 2664

mf: CH_2Br_2 mw: 173.85

PROP: Colorless, heavy liquid. Fp: –52.7°, bp: 95.6–97.4°, d: 2.485 @ 25°/25°, vap d: 6.05. Sltly sol in water.

SYNS: METHYLENE BROMIDE □ METHYLENE DIBROMIDE □ RCRA WASTE NUMBER U068

TOXICITY DATA with REFERENCE:

mno-sat 100 ng/plate BECTA6 24,590,80
 ihl-rat LC50:40 g/m³/2H 85GMAT -,82,82
 scu-mus LD50:3738 mg/kg TXAPA9 4,354,62
 rec-rbt LDLo:5000 mg/kg JPETAB 34,223,28

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen. Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Br⁻. See also BROMIDES.

DDS100 CAS: 18791-02-1 HR: 2
2,3-DIBROMOPROPANOYL CHLORIDE

mf: C₃H₃Br₂ClO mw: 250.33

PROP: Bp: 192–193° (part decomp).

SYNS: α,β-DIBROMOPROPIONYL CHLORIDE □ 2,3-DIBROMOPROPIONYL CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1200 mg/kg GISAAA 49(4),90,84

ihl-rat LCLo:1360 mg/m³ GISAAA 49(4),90,84

ihl-mus LC50:19,200 mg/m³ GISAAA 49(4),90,84

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

DDS200 CAS: 513-31-5 HR: 3
2,3-DIBROMOPROPENE

mf: C₃H₄Br₂ mw: 199.89

PROP: D: 2.035 @ 25°/4°, bp: 139–140°.

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate ENMUDM 2,59,80

ivn-mus LD50:100 mg/kg CSLNX* NX#03619

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits toxic fumes of Br⁻.

DDS400 CAS: 5221-17-0 HR: 3
2,3-DIBROMOPROPIONALDEHYDE

mf: C₃H₄Br₂O mw: 215.89

SYN: DIBROMOPROPANAL

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate MUREAV 78,113,80

ipr-mus LD50:5 mg/kg JAFCAU 30,627,82

ivn-mus LD50:56 mg/kg CSLNX* NX#02408

SAFETY PROFILE: Poison by intravenous route. Mutagenic data reported. When heated to decomposition it emits toxic fumes of Br⁻. See also ALDEHYDES and BROMIDES.

DDS500 CAS: 600-05-5 HR: D
2,3-DIBROMOPROPIONIC ACID

mf: C₃H₄Br₂O₂ mw: 231.89

SYNS: 2,3-DIBROMOPROPANOIC ACID □ α-β-DIBROMOPROPIONIC ACID □ PROPANOIC ACID, 2,3-DIBROMO-(9CI) □ PROPIONIC ACID, 2,3-DIBROMO-

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate APTOA6 45,112,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDS550 CAS: 19660-16-3 HR: D
2,3-DIBROMOPROPYL ACRYLATE

mf: C₆H₈Br₂O₂ mw: 271.96

SYNS: ACRYLIC ACID, 2,3-DIBROMOPROPYL ESTER □ 2-PROPENOIC ACID, 2,3-DIBROMOPROPYL ESTER (9CI)

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate ENMUDM 9(Suppl 9),1,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDS600 CAS: 521-74-4 HR: 3
5,7-DIBROMO-8-QUINOLINOL

mf: C₉H₅Br₂NO mw: 302.97

PROP: Needles from EtOH. Mp: 196°. Insol in dil acids; sol in CHCl₃, AcOH and EtOH.

SYNS: BRODIAR □ BROXYKINOLIN □ BROXYQUINOLINE □ COLEPUR □ COLIPAR □ 5,7-DIBROMO-8-HYDROXY-QUINOLINE □ DIBROMOXYQUINOLINE □ FENILOR □ PARAMIBE

TOXICITY DATA with REFERENCE:

orl-chd TDLo:1000 mg/kg/27D:CNS,PUL LANCAO 1,922,68

orl-rat LDLo:10 g/kg KSRNAM 4,27,70

ipr-rat LD50:1140 mg/kg KSRNAM 4,27,70

orl-mus LD50:7420 mg/kg KSRNAM 4,27,70

ipr-mus LD50:325 mg/kg KSRNAM 4,27,70

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

SAFETY PROFILE: Poison by intraperitoneal route. Mildly toxic by ingestion. Human systemic effects by ingestion: muscle weakness, ataxia (loss of muscle coordination), and gastritis. When heated to decomposition it emits very toxic fumes of Br⁻ and NO_x.

DDT000 CAS: 15091-30-2 HR: 3
3,4-DIBROMOSULFOLANE

mf: C₄H₆Br₂O₂S mw: 277.98

SYN: 3,4-DIBROMOTETRAHYDROTHIOPHENE-1,1-DIOXIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:9500 µg/kg RPTOAN 41,257,78

ivn-mus LD50:56 mg/kg CSLNX* NX#03181

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDT050 CAS: 14267-74-4 HR: D
trans-DIBROMOTETRAKIS(PYRIDINE)-RHODIUM BROMIDE

mf: C₂₀H₂₀Br₂N₄Rh•Br mw: 659.08

PROP: IDLH 100 mg/m³ (as Rh).

SYN: RHODIUM(1+), DIBROMOTETRAKIS(PYRIDINE)-, BROMIDE, (E)-

TOXICITY DATA with REFERENCE:

mic-sat 5 nmol/plate MUREAV 88,165,1981

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

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

DDT100 CAS: 19792-94-0 HR: 2
1,2-DIBROMO-1,1,5-TRICHLOROPENTANE

mf: C₅H₇Br₂Cl₃ mw: 333.28

SYN: PENTANE, 1,2-DIBROMO-1,1,5-TRICHLORO-

TOXICITY DATA with REFERENCE:

orl-mus LD50:1800 mg/kg VCVGH*,659,1990

orl-rat LD50:1800 mg/kg VCVGH*,659,1990

orl-gpg LD50:2000 mg/kg VCVGH*,659,1990

orl-cat LD50:1200 mg/kg VCVGH*,659,1990

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

DDT200 CAS: 85-79-0 HR: 3
DIBUCAINE

mf: C₂₀H₂₉N₃O₂ mw: 343.52

PROP: Hygroscopic crystals. Mp: 64°.

SYNS: 2-BUTOXY-N-(β-

DIETHYLAMINOETHYL)CINCHONINAMIDE □ 2-BUTOXY-N-(2-(DIETHYLAMINO)ETHYL)CINCHONINAMIDE □ 2-BUTOXYQUINOLINE-4-CARBOXYLIC ACID DIETHYLAMINO-ETHYLAMIDE □ α-BUTYLOXYCINCHONINIC ACID DIETHYLETHYLENEDIAMIDE □ 2-BUTOXY-N-(2-(DIETHYLAMINO)-ETHYL)-4-QUINOLINECARBOXAMIDE □ CINCHOCAINE □ DERMACAINE □ N-(2-(DIETHYLAMINO)ETHYL)-2-BUTOXYCINCHONINAMIDE □ NUPERCAINAL □ NUPERCAINE □ SOVCAINE

TOXICITY DATA with REFERENCE:

orl-chd LDLo:50 mg/kg 34ZIAG -,209,69

ipr-rat LDLo:7 mg/kg TXAPA9 1,156,59

ipr-mus LD50:24,500 µg/kg ARZNAD 10,925,60

scu-mus LD50:28,500 µg/kg ARZNAD 10,925,60

ivn-mus LDLo:6 mg/kg JAPMA8 39,4,50

scu-rbt LD50:8500 µg/kg PSEBAA 29,368,32

ivn-rbt LD50:2500 µg/kg PSEBAA 29,368,32

scu-gpg LDLo:112 mg/kg PHREA7 12,190,32

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

DDT250 CAS: 37235-82-8 HR: 3
DIBISMUTH DICHROMIUM NONAOXIDE

mf: Bi₂Cr₂O₉ mw: 665.95

SYN: BISMUTH CHROMATE

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

SAFETY PROFILE: May ignite on contact with H₂S. When heated to decomposition it emits acrid smoke and fumes. See also CHROMIUM COMPOUNDS and BISMUTH COMPOUNDS.

DDT300 CAS: 519-88-0 HR: 3
DIBUTAMIDE

mf: C₁₇H₂₈N₂O₂ mw: 292.47

PROP: Rods from ethanol + 10% ether. Mp: 134°. Practically insol in water; sol in ethanol, isopropanol, glacial acetic acid.

SYNS: AMBUCETAMID □ AMBUCETAMIDE □ BERSEN □ DIBUTAMID (GERMAN) □ α-DIBUTYL-AMINO-4-METHOXYBENZENEACETAMIDE (9CI) □ α-DIBUTYL-AMINO-p-METHOXYPHENYLACETAMIDE □ α-DIBUTYLAMINO-α-(p-METHOXYPHENYL)ACETAMIDE □ 2-DIBUTYLAMINO-2-(p-METHOXYPHENYL)ACETAMIDE □ α-p-METHOXYPHENYL-α-DI-n-BUTYLAMINOACETAMIDE □ MERITIN □ R 5

TOXICITY DATA with REFERENCE:

ivn-rat LD50:61 mg/kg ARZNAD 11,929,61

orl-mus LD50:813 mg/kg JAPMA8 46,564,57

ipr-mus LD50:92 mg/kg JAPMA8 46,564,57

ivn-mus LD50:62,200 µg/kg JAPMA8 46,564,57

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

DDT400 CAS: 871-22-7 HR: 2
1,1-DIBUTOXYETHANE

mf: C₁₀H₂₂O₂ mw: 174.32

SYNS: ACETALDEHYDE DIBUTYL ACETAL □ DIBUTYL ACETAL □ 1,1'-(ETHYLIDENE)BIS(OXY)BISBUTANE

TOXICITY DATA with REFERENCE:

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

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

orl-rat LD50:8790 mg/kg AMIHBC 10,61,54

SAFETY PROFILE: Mildly toxic by ingestion. An eye and severe skin irritant. Combustible. To fight fire, use water, foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.

DDT500 CAS: 141-17-3 HR: 1
DIBUTOXYETHOXYETHYL ADIPATE

mf: C₂₂H₄₂O₈ mw: 434.64

SYNS: ADIPIC ACID, BIS(2-(2-BUTOXYETHOXY)ETHYL)

ESTER □ HEXANEDIOIC ACID, BIS(2-(2-BUTOXYETHOXY)ETHYL) ESTER (9CI) □ TP-95 □ WAREFLEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:6 g/kg NPIRI* 2,16,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DDT600 HR: 3
DI-sec-BUTYLAMINE

mf: C₈H₁₉N mw: 129.25

PROP: Liquid. Bp: 134°, flash p: 75.2°F (OC), d: 0.75, vap d: 4.5.

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

DDT800 CAS: 111-92-2 HR: 3
n-DIBUTYLAMINE

DOT: UN 2248

mf: C₈H₁₉N mw: 129.28

PROP: A liquid. Mp: -61.9°; bp: 159°, flash p: 125°F (OC), d: 0.76, vap d: 4.46, vap press: 2 mm @ 20°. Sol in water and alcohol.

SYNS: n-BUTYL-1-BUTANAMINE □ DI-n-BUTYLAMINE □ DI(n-BUTYL)AMINE (DOT)

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AMIHBC 10,61,54
 skn-rbt 500 mg open MOD UCDS** 3/25/70
 eye-rbt 250 µg open SEV AMIHBC 10,61,54
 cyt-ham:fbr 200 mg/L/48H MUREAV 48,337,77
 orl-rat LD50:220 mg/kg ZHYGAM 20,393,74
 ihl-rat LCLo:500 ppm/4H AEHLAU 1,343,60
 scu-rat LDLo:330 mg/kg JPETAB 20,435,23
 orl-mus LD50:290 mg/kg GISAAA 40(11),21,75
 skn-rbt LD50:1010 mg/kg AMIHBC 10,61,54
 orl-gpg LD50:230 mg/kg GISAAA 40(11),21,75

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

DOT CLASSIFICATION: 8; Label: Corrosive, Flammable Liquid

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Moderately toxic by skin contact and inhalation. Corrosive. A severe skin and eye irritant. Mutation data reported. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use alcohol foam, foam, CO₂, dry chemical. Exothermic reaction with cellulose nitrate does not proceed to ignition. When heated to decomposition it emits toxic fumes of NO_x.

DDU000 CAS: 12107-76-5 HR: 3
DIBUTYLAMINETETRAFLUOROBORATE

mf: C₈H₂₀N•BF₄ mw: 217.10

SYN: DI-n-BUTYLAMMONIUM TETRAFLUOROBORATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#02191

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. See also BORON COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and F⁻.

DDU200 CAS: 77966-79-1 HR: 3
2-(DIBUTYLAMINO)-2',6'-ACETOXYLIDIDE
HYDROCHLORIDE

mf: C₁₈H₃₀N₂O•ClH mw: 326.96

SYN: C 3103

TOXICITY DATA with REFERENCE:

eye-rbt 2% SEV ARZNAD 8,407,58
 ipr-rat LD50:221 mg/kg ARZNAD 8,407,58
 scu-mus LD50:805 mg/kg ARZNAD 8,407,58

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

DDU600 CAS: 102-81-8 HR: 3
2-N-DIBUTYLAMINOETHANOL

DOT: UN 2873

mf: C₁₀H₂₃NO mw: 173.34

PROP: Liquid. Bp: 222°, flash p: 220°F (OC), d: 0.85, vap d: 6.0.

SYNS: BU2AE □ DIBUTYLAMINOETHANOL □ 2-DIBUTYL-AMINOETHANOL □ 2-DI-n-BUTYLAMINOETHANOL □ N,N-DI-n-BUTYLAMINOETHANOL (DOT) □ β-N-DIBUTYL-AMINOETHYL ALCOHOL □ N,N-DIBUTYLETHANOLAMINE □ N,N-DIBUTYL-N-(2-HYDROXYETHYL)AMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open AMIHBC 10,61,54
 skn-rbt 5 mg/24H SEV 85JCAE -,695,86
 eye-rbt 20 mg/24H open SEV AMIHBC 10,61,54
 orl-rat LD50:1070 mg/kg AMIHBC 10,61,54
 ipr-rat LD50:144 mg/kg TXAPA9 12,486,68
 ipr-mus LD50:52 mg/kg RCRVAB 38,975,69
 skn-rbt LD50:1680 mg/kg AMIHBC 10,61,54
 ipr-mam LD50:120 mg/kg TXAPA9 8,344,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2 ppm

ACGIH TLV: TWA 0.5 ppm (skin)

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A severe eye and skin irritant. Combustible; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES and ALCOHOLS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Aminoethanol Compounds, 2007.

DDU700 CAS: 590-69-2 HR: 3
DI-(n-BUTYLAMINO)FLUOROPHOSPHINE
OXIDE

mf: C₈H₂₀FN₂OP mw: 210.27

SYN: PHOSPHORODIAMIDIC FLUORIDE, N,N'-DI-n-BUTYL-

TOXICITY DATA with REFERENCE:

scu-mus LD50:16 mg/kg 11FYAN 3,71,63
 ims-ckn LD50:2 mg/kg BCPCA6 15,1783,66

SAFETY PROFILE: A poison by subcutaneous and intramuscular routes. When heated to decomposition it emits toxic vapors of NO_x, PO_x, and F⁻.

DDU800 CAS: 25726-99-2 HR: 3
N,N-DIBUTYL-3-AMINOPROPIONITRILE

mf: C₁₁H₂₂N₂ mw: 182.35

SYN: PROPIONITRILE, 3-AMINO-N,N-DIBUTYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3250 µL/kg AIHAAP 30,470,69
 skn-rbt LD50:5040 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.

DDV200 CAS: 102-83-0 HR: 3
3-(DIBUTYLAMINO)PROPYLAMINE

mf: C₁₁H₂₆N₂ mw: 186.39

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62
 orl-rat LD50:820 mg/kg AIHAAP 23,95,62
 skn-rbt LD50:270 mg/kg AIHAAP 23,95,62

DIBUTYL BUTANEPHOSPHONATEmf: C₁₂H₂₇O₃P mw: 250.36**PROP:** Colorless liquid with mild pleasant odor. Bp: 160–162° @ 20 mm, flash p: 311° (COC), d: 8.62.**SYNS:** DIBUTYL BUTYLPHOSPHONATE □ NSC-2666**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:125 mg/kg CBCCT* 7,789,55

ivn-mus LD50:56 mg/kg CSLNX* NX#03463

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. Combustible when exposed to heat or flame. It can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, or dry chemical. When heated to decomposition it emits toxic fumes of PO_x.**DDW000 CAS: 532-49-0 HR: 3
DI-*n*-BUTYL-CARBAMYLCHOLINE SULFATE**mf: C₃₀H₆₆N₄O₄•O₄S mw: 643.06**PROP:** Hygroscopic powder. Mp: 166° (decomp).**SYNS:** DIBULINESULFAT □ DIBULINE SULFATE □ DIBUTOLINE □ DIBUTOLINE SULFATE □ 1-(((DIBUTYL-AMINO)CARBONYL)OXY)-*N*-ETHYL-*N,N*-DIMETHYLET-HANAMINIUM SULFATE (2:1) □ (2-DIBUTYL CARBAMYOXY-ETHYL)-DIMETHYLETHYLAMMONIUM SULFATE □ DIMETHYL-ETHYL-β-HYDROXYETHYL-AMMONIUM-SULFATE-DI-*n*-BUTYL CARBAMATE □ DIMETHYLETHYL-β-HYDROXYETHYLAMMONIUM SULFATE DIBUTYLURETHAN □ ETHYL(2-HYDROXYETHYL)DIMETHYL-AMMONIUM SULFATE (SALT), BIS(DIBUTYL CARBAMATE)**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:22 mg/kg JPETAB 84,105,45

scu-mus LD50:49 mg/kg CLDND*

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. See also CARBAMATES and SULFATES. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and SO_x.**DDW200 CAS: 112-73-2 HR: 2
DIBUTYL CARBITOL**mf: C₁₂H₂₆O₃ mw: 218.38**PROP:** Practically colorless liquid, characteristic odor, sltly sol in water. D: 0.8853 @ 20°/20°, bp: 256°, fp: –60.2°, flash p: 245°F (OC).**SYNS:** BIS(BUTOXYETHYL) ETHER □ BIS(2-BUTOXYETHYL) ETHER □ BUTYL DIGLYME □ 2,2'-DIBUTOXYETHYL ETHER □ DIETHYLENEGLYCOL DIBUTYL ETHER □ DIETHYLENE-GLYCOL DI-*n*-BUTYL ETHER □ 1,1'-(OXYBIS(2,1-ETHANEDI-YLOXY))BISBUTANE □ 5,8,11-TRIOXAPENTADECANE**TOXICITY DATA with REFERENCE:**

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

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

orl-mus TDLo:16 g/kg (7-14D preg):REP EVHPAZ 57,141,84

orl-rat LD50:3900 mg/kg AMIHBC 10,61,54

skn-rbt LD50:4040 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Glycol ether compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by ingestion. Mildly toxic by skin contact. Experimental reproductive effects. A skin and eye irritant. See also GLYCOL

ETHERS. Combustible when exposed to heat or flame. To fight fire, use foam or alcohol foam. When heated to decomposition it emits acrid smoke and irritating fumes.

**DDW400 CAS: 112-48-1 HR: 2
DIBUTYL CELLOSOLVE**mf: C₁₀H₂₂O₂ mw: 174.32**SYNS:** 1,2-DIBUTOXYETHANE □ 1,1'-(1,2-ETHANEDIYLBIS(OXY))BIS-BUTANE □ ETHYLENE GLYCOL DIBUTYL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS** 11/7/57

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

orl-rat LD50:3250 mg/kg UCDS** 11/7/57

skn-rbt LD50:3560 mg/kg AMIHBC 10,61,54

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DDW500 CAS: 127-59-3 HR: 2
N,N-DI-*n*-BUTYL-*p*-CHLOROBENZENE-SULFONAMIDE**mf: C₁₄H₂₂ClNO₂S mw: 303.88**SYNS:** ANTIRESTANT □ AR 10 □ BENZENESULFONAMIDE, *p*-CHLORO-*N,N*-DIBUTYL- □ BENZENESULFONAMIDE, *N,N*-DIBUTYL-*p*-CHLORO- □ DDT WARF ANTIRESTANT □ WARF □ WARF ANTIRESTANT**TOXICITY DATA with REFERENCE:**

orl-rat LD50:500 mg/kg BESAAT 12,161,66

skn-rat LD50:9400 mg/kg BESAAT 12,161,66

SAFETY PROFILE: Moderately toxic by ingestion.Low toxicity by skin contact. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl[–].**DDX000 CAS: 497-39-2 HR: 2
4,6-DI-*tert*-BUTYL-*m*-CRESOL**mf: C₁₅H₂₄O mw: 220.39**PROP:** Yellow, crystalline solid. Mp: 62.1°, bp: 282°, flash p: 262°F (OC), d: 0.912 @ 80°/4°.**SYN:** 2,4-DI-*tert*-BUTYL-5-METHYLPHENOL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1420 mg/kg JAPMA8 38,366,49

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 foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes. See also CRESOL.**DDX200 CAS: 63041-48-5 HR: 2
9,10-DI-*n*-BUTYL-1,2,5,6-DIBENZANTHRACENE**mf: C₃₀H₃₀ mw: 390.60**TOXICITY DATA with REFERENCE:**

skn-mus TDLo:1250 mg/kg/52W-I:ETA PRLBA4 117,318,35

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DDX600 CAS: 28660-63-1 HR: 3**

skn-rbt 500 mg/24H SEV 28ZPAK -,228,72

eye-rbt 5 mg/24H SEV 28ZPAK -,228,72

orl-rat LD50:134 mg/kg 28ZPAK -,228,72

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 0.1mg(Sn)/m³**SAFETY PROFILE:** Poison by ingestion. A severe skin and eye irritant. See also TIN COMPOUNDS. When heated to decomposition it emits acrid and irritating fumes.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DEA800 CAS: 3236-56-4 HR: 3****DI-tert-BUTYL DIPEROXYCARBONATE**mf: C₉H₁₈O₅ mw: 206.23[(CH₃)₃COO]₂CO**SAFETY PROFILE:** Potentially explosive when heated to 135°C. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DEB000 CAS: 14666-77-4 HR: 3****DI-tert-BUTYL DIPEROXYOXALATE**mf: C₁₀H₁₈O₆ mw: 234.25[(CH₃)₃COOCO•]₂**SAFETY PROFILE:** When removed from freezing mixture it exploded. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DEB200 CAS: 2155-71-7 HR: 3****DI-tert-BUTYL DIPEROXYPHTHALATE**mf: C₁₆H₂₂O₆ mw: 310.35C₆H₄[CO•OOC(CH₃)₃]₂**SAFETY PROFILE:** A shock-sensitive explosive. Upon decomposition it emits acrid smoke and fumes.**DEB400 CAS: 3465-73-4 HR: 3****DIBUTYLDIPROPIONYLOXYSTANNANE**mf: C₁₄H₂₈O₄Sn mw: 379.11**SYNS:** DI-n-BUTYLTIN DIPROPIONATE □ PROPINAN DI-n-BUTYLCINICITY (CZECH)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV 28ZPAK -,228,72

eye-rbt 5 mg/24H SEV 28ZPAK -,228,72

orl-rat LD50:70,900 µg/kg 28ZPAK -,228,72

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 0.1mg(Sn)/m³**SAFETY PROFILE:** Poison by ingestion. A severe skin and eye irritant. See also TIN COMPOUNDS. When heated to decomposition it emits acrid smoke and irritating fumes.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DEB600 CAS: 67057-34-5 HR: 3****DIBUTYLDITHIOCARBAMIC ACID-S-TRIBUTYL-STANNYL ESTER**mf: C₂₁H₄₅NS₂Sn mw: 494.48**SYNS:**

((DIBUTYLDITHIOCARBAMOYL)OXY)TRIBUTYLSTANNANE □ TRIBUTYLTIN-S,S'-DIBUTYLDITHIOCARBAMATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#04817

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 0.1mg(Sn)/m³**SAFETY PROFILE:** Poison by intravenous route. See also TIN COMPOUNDS, CARBAMATES, and ESTERS. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DEB800 CAS: 26818-53-1 HR: 3****N,N-DI-sec-BUTYL DITHIOOXAMIDE**mf: C₁₀H₂₀N₂S₂ mw: 232.44**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:5 mg/kg JPETAB 121,32,57

ivn-dog LDLo:5 mg/kg JPETAB 121,32,57

ivn-cat LDLo:5 mg/kg JPETAB 121,32,57

ivn-rbt LD50:2.3 mg/kg JPETAB 121,32,57

ivn-gpg LDLo:5 mg/kg JPETAB 121,32,57

SAFETY PROFILE: Poison by intravenous route.When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DEC000 CAS: 625-22-9 HR: 3****DIBUTYL ESTER SULFURIC ACID**mf: C₈H₁₈O₄S mw: 210.32**PROP:** Liquid with sharp odor. Bp: 115–116° @ 6 mm.**SYNS:** DI-n-BUTYLSULFAT (GERMAN) □ DIBUTYL SULFATE**TOXICITY DATA with REFERENCE:**

scu-rat LD50:5000 mg/kg ZEKBAI 74,241,70

orl-rbt LDLo:192 mg/kg AEXPBL 47,113,02

SAFETY PROFILE: Poison by ingestion. Mildly toxic by subcutaneous route. Questionable carcinogen with experimental tumorigenic data. See also ESTERS and SULFATES. When heated to decomposition it emits toxic fumes of SO_x.**DEC100 CAS: 4062-60-6 HR: 3****N,N-DI-tert-BUTYLETHYLENEDIAMINE**mf: C₁₀H₂₄N₂ mw: 172.36**SYNS:** AR 81242 □ N,N'-BIS(1,1-DIMETHYLETHYL)-1,2-ETHANEDIAMINE □ 1,2-ETHANEDIAMINE, N,N'-BIS(1,1-DIMETHYLETHYL)-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 µL/24H MLD NTIS** OTS0535667

orl-rat LDLo:5 g/kg NTIS** OTS0535667

skn-rbt LDLo:200 mg/kg NTIS** OTS0535667

SAFETY PROFILE: A poison by ingestion. Low toxicity by ingestion. A mild skin irritant. When heated to decomposition it emits toxic vapors of NO_x.

DEC200 CAS: 625-17-2 HR: 3**DI-sec-BUTYL FLUOROPHOSPHONATE**mf: $C_8H_{18}FO_3P$ mw: 212.23

SYNS: DI-sec-BUTYL ESTER PHOSPHOROFUORIDIC ACID □ DI-sec-BUTYLFLUOROPHOSPHATE □ T-1835 □ TL 1266

TOXICITY DATA with REFERENCE:

ihl-man TClO:1 ppm/5M:EYE,CNS,PUL JCSOA9 -,635,49

ihl-rat LC50:4 g/kg/ $m^3/10M$ NTIS** PB158-508ihl-mus LC50:540 mg/ $m^3/10M$ JCSOA9 -,635,49ihl-dog LC50:4 g/ $m^3/10M$ NTIS** PB158-508ihl-mky LC50:100 mg/ $m^3/2M$ NTIS** PB158-508ihl-cat LC50:6 g/ $m^3/10M$ NTIS** PB158-508ihl-rbt LC50:5 g/ $m^3/10M$ NTIS** PB158-508

SAFETY PROFILE: Poison by inhalation. Human systemic effects by inhalation including: miosis (pupillary constriction), somnolence, and respiratory changes. When heated to decomposition it emits very toxic fumes of F^- and PO_x .

DEC400 CAS: 761-65-9 HR: 3**N,N-DI-n-BUTYLFORMAMIDE**mf: $C_9H_{19}NO$ mw: 157.29**PROP:** Liquid. Bp: 235°.

SYNS: DBF □ DIBUTYLAMID KYSELINY MRAVENCI □ N,N-DI-n-BUTYLFORMAMIDE

TOXICITY DATA with REFERENCE:

skn-rat TDLo:1200 mg/kg (10D preg):TER TXAPA9 41,35,77

ipr-rat LD50:390 mg/kg TXAPA9 26,596,73

ipr-mus LD50:300 mg/kg TXAPA9 26,596,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEC600 CAS: 105-75-9 HR: 3**DIBUTYL FUMARATE**mf: $C_{12}H_{20}O_4$ mw: 228.32

PROP: Colorless, clear, mobile liquid; typical odor. Bp: 285.1°, fp: -19°, flash p: 300°F (OC), d: 0.986 @ 20°/20°, vap d: 7.88.

SYNS: DIBUTYLESTER KYSELINY FUMAROVE □ FUMARIC ACID, DIBUTYL ESTER

TOXICITY DATA with REFERENCE:

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

eye-rbt 500 mg open AMIHBC 4,119,51

orl-rat LD50:8530 mg/kg AMIHBC 4,119,51

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

skn-rbt LD50:16 g/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Mildly toxic by ingestion and skin contact. An eye, skin, and mucous membrane 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 fumes.

DEC699 CAS: 4835-11-4 HR: 3**N,N'-DIBUTYLHEXAMETHYLENEDIAMINE**mf: $C_{14}H_{32}N_2$ mw: 228.48

SYNS: DBHMD □ DIBUTYLHEXAMETHYLENEDIAMINE □ N,N'-DIBUTYL-1,6-HEXANEDIAMINE □ 1,6-N,N'-DIBUTYLHEXANEDIAMINE

TOXICITY DATA with REFERENCE:ihl-rat LD50:220 mg/ $m^3/4H$ FCTOD7 22,425,84**CONSENSUS REPORTS:** EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation. A corrosive alkali. A severe eye, skin and mucous membrane irritant. Strong alkalies are markedly corrosive and penetrating to the skin and mucous membranes. Human systemic effects by ingestion: acute circulatory shock; burns in the mouth, throat, and esophagus; suffocation due to glottal or laryngeal swelling; perforation and inflammation of the esophagus and the tracheobronchial tree; aspiration pneumonia. Scar formation can cause delayed problems with swallowing, and stomach filling and emptying. The immediate symptoms of ingestion are: visible burns in mouth, drooling, gagging, vomiting, chest and upper abdominal pain, difficulty in breathing or apnea (respiratory arrest), collapse and cardiac arrest may occur. Flammable or poisonous gases may accumulate in tanks or hopper cars. This material may react violently with water. To fight small fires, use dry chemical, carbon dioxide, water spray, or foam. To fight large fires, use water spray, fog, or foam. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

DEC725 CAS: 7422-80-2 HR: 2**1,1-DIBUTYLHYDRAZINE**mf: $C_8H_{20}N_2$ mw: 144.30

SYNS: 1,1-DBH □ N,N-DIBUTYLHYDRAZINE □ 1,1-DI-n-BUTYLHYDRAZINE

TOXICITY DATA with REFERENCE:

mmo-sat 16,640 nmol/plate MUREAV 278,215,92

orl-mus TDLo:49,280 mg/kg/2Y-C:CAR CRNGDP 2,651,81

SAFETY PROFILE: Mutation data reported.

Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x .

DEC775 CAS: 78776-28-0 HR: 2**1,2-DI-n-BUTYLHYDRAZINE DIHYDRO-CHLORIDE**mf: $C_8H_{20}N_2 \cdot 2ClH$ mw: 217.22**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:92 g/kg/90W-C:CAR EXPEAM 37,773,81

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

DEC785 CAS: 110439-07-1 HR: D**1,1-DIBUTYLHYDRAZINE OXALATE**mf: $C_8H_{20}N_2 \cdot C_2H_2O_4$ mw: 234.34

SYNS: 1,1-DIBUTYLHYDRAZINE ETHANEDIOATE (1:1) □ HYDRAZINE, 1,1-DIBUTYL-, ETHANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

mic-sat 2500 nmol/plate MUREAV 301,213,1993

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

DEC795 CAS: 94408-08-9 HR: D
1,2-DIBUTYLHYDRAZINE OXALATE

mf: C₈H₂₀N₂•C₂H₂O₄ mw: 234.34

SYNS: 1,2-DIBUTYLHYDRAZINE ETHANEDIOATE (1:1) □
 HYDRAZINE, 1,2-DIBUTYL-, ETHANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

mic-sat 1 μmol/plate MUREAV 301,213,1993

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

DEC797 CAS: 28846-39-1 HR: 3
9-(2,2-DIBUTYLHYDRAZINO)ACRIDINE
MONOHYDROCHLORIDE

mf: C₂₁H₂₇N₃•ClH mw: 357.97

SYN: ACRIDINE, 9-(2,2-DIBUTYLHYDRAZINO)-,
 MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:25 mg/kg USXXAM #3712943

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

DEC800 CAS: 88-58-4 HR: 2
2,5-DI-tert-BUTYLHYDROQUINONE

mf: C₁₄H₂₂O₂ mw: 222.36

SYNS: 2,5-DI-tert-BUTYLBENZENE-1,4-DIOL □
 HYDROQUINONE, 2,5-DI-tert-BUTYL-

TOXICITY DATA with REFERENCE:

orl-ham TDLo:134 g/kg/24W-C:NEO CRNGDP
 12,1341,91

orl-rat LDLo:800 mg/kg KODAK* 21MAY71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating vapors.

DEC900 CAS: 1421-49-4 HR: D
3,5-DI-tert-BUTYL-4-HYDROXYBENZOIC ACID

mf: C₁₅H₂₂O₃ mw: 250.37

SYN: BENZOIC ACID, 3,5-DI-tert-BUTYL-4-HYDROXY-

TOXICITY DATA with REFERENCE:

dni-hmn:lyms 25 μmol/L BBRCA9 80,963,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DED000 CAS: 10537-47-0 HR: 3
(3,5-DI-tert-BUTYL-4-HYDROXYBENZYLIDENE)-
MALONONITRILE

mf: C₁₈H₂₂N₂O mw: 282.42

PROP: Crystals or solid. Mp: 140–141°.

SYNS: ((3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-PHENYL)METHYLENE)PROPANEDINITRILE □ 2-((3,5-BIS(1,1-DIMETHYL)-4-HYDROXYPHENYL)METHYLENE)PROPANE-

DINITRILE □ ENT 27,910 □ GCP 5126 □ GULF S-15126 □
 MALONOBEN □ S-15126

TOXICITY DATA with REFERENCE:

orl-rat LD50:87 mg/kg SPEADM 78-1,21,78

skn-rbt LD50:226 mg/kg SPEADM 74-1-,74

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

SAFETY PROFILE: Poison by ingestion and skin contact. See also NITRILES. When heated to decomposition it emits toxic fumes of NO_x and CN⁻.

DED100 CAS: 6683-19-8 HR: 1
3,5-DI-TERT-BUTYL-4-HYDROXY-
HYDROCINNAMIC ACID,
NEOPENTANETETRAYL ESTER

mf: C₇₃H₁₀₈O₁₂ mw: 1177.81

SYNS: ANOX 20 □ AO3 □ BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, 2,2-BIS((3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPOXY)-METHYL)-1,3-PROPANEDIYL ESTER □ FENOZAN 22 □ FENOZAN 23 □ HYDROCINNAMIC ACID, 3,5-DI-TERT-BUTYL-4-HYDROXY-, TETRAESTER WITH PENTAERYTHRITOL (7CI) □ IRGANOX 1010 □ IRGANOX 1040 □ MARK AO 60 □ NAUGARD 10 □ PHENOSANE 23 □ RA 1010 □ TETRAALKOFEN BPE

TOXICITY DATA with REFERENCE:

unr-uns LD50:10 g/kg GISAAA 42(7),74,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DED200 CAS: 2109-64-0 HR: 2
N,N-DIBUTYL(2-HYDROXYPROPYL)AMINE

mf: C₁₁H₂₅NO mw: 187.37

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:1990 mg/kg AIHAAP 23,95,62

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

DED300 CAS: 3126-90-7 HR: 2
DIBUTYL ISOPHTHALATE

mf: C₁₆H₂₂O₄ mw: 278.38

SYNS: 1,3-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER □ ISOPHTHALIC ACID, DIBUTYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:1392 mg/kg JPMSAE 56,1446,67

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

DED400 CAS: 2587-84-0 HR: 3
DIBUTYL LEAD DIACETATE

mf: C₁₂H₂₄O₄Pb mw: 439.55

SYN: DIACETOXYDIBUTYLPLUMBANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:34 mg/kg JJATDK 1,247,81

ipr-rat LDLo:10 mg/kg CRSBAW 164,209,70

orl-mus LD50:115 mg/kg CRSBAW 162,1456,68

ipr-mus LD50:6 mg/kg CRSBAW 164,209,70
 ivn-mus LD50:6 mg/kg CRSBAW 164,209,70
 orl-dom LDLo:30 mg/kg REMVAY 22,85,69

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

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. See also LEAD COMPOUNDS. When heated to decomposition it emits toxic fumes of Pb.

DED500 CAS: 6280-99-5 HR: 2
di-DIBUTYL MALATE

mf: C₁₂H₂₂O₅ mw: 246.34

SYNS: BUTANEDIOIC ACID, HYDROXY-, DIBUTYL ESTER, (+)- □ DIBUTYL (+)-HYDROXYBUTANEDIOATE □ ENT-337 □ MALIC ACID, DIBUTYL ESTER, (+)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>9699 mg/kg NTIS** AD-A010-337

ihl-rat LC:>4 g/m³/8H NTIS** AD-A010-337

ipr-rat LD50:>1272 mg/kg NTIS** AD-A010-337

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Low toxicity by ingestion and inhalation. When heated to decomposition it emits acrid smoke and irritating vapors.

DED600 CAS: 105-76-0 HR: 3
DIBUTYL MALEATE

mf: C₁₂H₂₀O₄ mw: 228.32

PROP: Liquid. Mp: -85° (sets to a glass), bp: 281°, flash p: 285°F (OC), d: 0.9964 @ 20°/20°, vap d: 7.9.

SYNS: 2-BUTENEDIOIC ACID, DIBUTYL ESTER □ DBM □ MALEIC ACID, DIBUTYL ESTER □ RC COMONOMER DBM □ STAFLEX DBM

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 11/27/63

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

orl-rat LD50:3730 mg/kg UCDS** 11/27/63

orl-mus LD50:2400 mg/kg ARZNAD 14,670,64

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

skn-rbt LD50:10 g/kg NPIRI* 2,19,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mildly toxic by skin contact. An eye and skin irritant. See also ESTERS and n-BUTYL ALCOHOL. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical, alcohol foam. When heated to decomposition it emits acrid smoke and irritating fumes.

DED800 CAS: 15535-69-0 HR: 3
DIBUTYLMALLOYLOXYSTANNANE

mf: C₁₂H₂₂O₅Sn mw: 365.03

SYN: DIBUTYLTIN MALATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#03637

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

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

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

DEE000 CAS: 629-35-6 HR: 3
DIBUTYLMERCURY

mf: C₈H₁₈Hg mw: 314.85

PROP: Liquid. Bp: 105° @ 10 mm, d: 1.779, vap d: 10.8. Sol in most org solvs; insol in H₂O. IDLH 10 mg/m³ (as Hg).

SYN: DIBUTYLRUT

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:7800 µg/kg CBCCT* 4,230,52

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

OSHA PEL: TWA 0.01 mg(Hg)/m³; STEL 0.03 mg/m³ (skin)

ACGIH TLV: TWA 0.01 mg(Hg)/m³; BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. See also MERCURY COMPOUNDS, ORGANIC. Flammable when exposed to heat or flame. Can react vigorously with oxidizing materials. When heated to decomposition or on contact with acid or acid fumes it emits highly toxic fumes of mercury.

DEE200 CAS: 691-88-3 HR: 3
DI-sec-BUTYLMERCURY

mf: C₈H₁₈Hg mw: 314.85

PROP: Liquid; unstable in air and light. Bp: 93-96° @ 18 mm. IDLH 10 mg/m³ (as Hg).

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:31 mg/kg CBCCT* 4,230,52

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

OSHA PEL: TWA 0.01 mg(Hg)/m³; STEL 0.03 mg/m³ (skin)

ACGIH TLV: TWA 0.01 mg(Hg)/m³; BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. See also MERCURY COMPOUNDS, ORGANIC. When heated to decomposition it emits toxic fumes of Hg.

DEE300 CAS: 87-97-8 HR: 1
2,6-DI-tert-BUTYL-4-METHOXYMETHYLPHENOL

mf: $C_{16}H_{26}O_2$ mw: 250.42

SYNS: AGIDOL 42 □ p-CRESOL, 2,6-DI-tert-BUTYL- α -METHOXY- □ ETHYL ANTIOXIDANT 762 □ IONOL 4 □ METHYL ETHER OF 3,5-DI-tert-BUTYL-4-HYDROXYBENZENE □ PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-(METHOXYMETHYL)- □ PHENOL, 2,6-DI-tert-BUTYL-4-METHOXYMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:10,650 mg/kg TPKVAL 13,154,73

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

DEE400 CAS: 3405-45-6 HR: 3
N,N-DIBUTYLMETHYLAMINE

mf: $C_9H_{21}N$ mw: 143.31

PROP: Colorless liquid, amine odor. Insol in water; sol in alcohol and ether, miscible with hydrocarbons. D: 0.7613 @ 20°/20°, bp: 159.6°, fp: -62°, flash p: 125°F (OC).

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:540 mg/kg AIHAAP 23,95,62

ihl-rbt LCLo:250 ppm/4H AIHAAP 23,95,62

skn-rbt LDLo:880 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. A skin irritant. Flammable liquid when exposed to heat or flame. To fight fire, use dry chemical, fog, mist, CO_2 . When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

DEE600 CAS: 1301-14-0 HR: 3
2,6-DI-tert-BUTYLNAPHTHALENESULFONIC ACID SODIUM SALT

mf: $C_{18}H_{23}O_3S \cdot Na$ mw: 342.46

SYNS: BECANTAL □ BECANTEX □ BECANTYL □ 2,6-DI-tert-BUTYL NAPHTHALENE SULFONATE SODIQUE (FRENCH) □ KEUTEN □ L. 1633 □ LINCTUSSAL □ SODIUM-2,6-DI-tert-BUTYLNAPHTHALENESULFONATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5000 mg/kg CLDND*

scu-gpg LDLo:250 mg/kg AIPTAK 97,34,54

SAFETY PROFILE: Poison by subcutaneous route. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x and Na_2O . See also SULFONATES.

DEE800 CAS: 728-40-5 HR: 3
2,6-DI-tert-BUTYL-4-NITROPHENOL

mf: $C_{14}H_{21}NO_3$ mw: 251.33

$[(CH_3)_3C]_2O_2NC_6H_4OH$

PROP: Yellow plates or needles from EtOH or pet ether. Mp: 157.5° (decomp).

SAFETY PROFILE: Explodes when heated to 100°C. May explode spontaneously. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and PHENOLS.

DEF000 CAS: 56654-52-5 HR: D
N,N'-DIBUTYL-N-NITROSOUREA

mf: $C_9H_{19}N_3O_2$ mw: 201.31

SYN: 1,3-DIBUTYL-3-NITROSOUREA

TOXICITY DATA with REFERENCE:

cyt-ham:fbr 125 mg/L/22H MUREAV 48,337,77

cyt-ham:lng 79 mg/L GMCRDC 27,95,81

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.

DEF090 CAS: 2406-25-9 HR: 3
DI-tert-BUTYL NITROXIDE

mf: $C_8H_{18}NO$ mw: 144.27

SYNS: DTBN □ NITROXIDE, BIS(1,1-DIMETHYLETHYL) (9CI) □ NITROXIDE, DI-tert-BUTYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:505 mg/kg JPETAB 141,349,63

ivn-mus LD50:53,800 μ g/kg JPETAB 141,349,63

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 .

DEF150 CAS: 27371-95-5 HR: 3
2,2-DIBUTYL-1,3,2-OXATHIASTANNOLANE

mf: $C_{10}H_{22}OSSn$ mw: 309.07

SYN: 1,3,2-OXATHIASTANNOLANE, 2,2-DIBUTYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:60 mg/kg GTPZAB 32(9),50,88

skn-rat LD50:2500 mg/kg GTPZAB 32(9),50,88

orl-mus LD50:13,700 μ g/kg GTPZAB 32(9),50,88

ivn-mus LD50:180 mg/kg CSLNX* NX#02078

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 Compounds): 10H TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Poison by ingestion and intravenous routes. Moderately toxic by skin contact. When heated to decomposition it emits toxic fumes of SO_x and Sn.

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

DEF200 CAS: 78-20-6 HR: 2
2,2-DIBUTYL-1,3,2-OXATHIASTANNOLANE-5-OXIDE

mf: $C_{10}H_{20}O_2SSn$ mw: 323.05

SYNS: DIBUTYL(THIOACETOXY)STANNANE □ DI-n-BUTYLZINN THIOGLYKOLAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:510 mg/kg TRIPA7 -,1,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

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

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

DEF400 CAS: 818-08-6 HR: 3
DIBUTYLOXOSTANNANE

mf: C₈H₁₈OSn mw: 248.95

PROP: White, amorphous powder or polymeric infusible solid. Mp: decomp without melting, bulk density: 0.5, vap d: 8.6.

SYNS: DBOT □ DIBUTYLOXIDE of TIN □ DIBUTYLOXOTIN □ DIBUTYLSTANNANE OXIDE □ DIBUTYLtin OXIDE □ DI-n-BUTYLtin OXIDE □ DI-n-BUTYL-ZINN-OXYD (GERMAN) □ KYSLICNIK DI-n-BUTYLCINICITY (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,226,72

eye-rbt 100 mg/24H MOD 28ZPAK -,226,72

orl-rat LD50:44,900 µg/kg 28ZPAK -,226,72

ipr-rat LD50:40 mg/kg FCTXAV 7,47,69

orl-rbt LDLo:1500 mg/kg SAIGBL 15,3,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. A skin and eye irritant. Flammable when exposed to flame; can react with oxidizing materials. To fight fire, use dry chemical, fog, CO₂. 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.

DEF600 CAS: 2167-23-9 HR: 3
2,2-DI(tert-BUTYLPEROXY)BUTANE

mf: C₁₂H₂₆O₄ mw: 234.34

[(CH₃)₃COO]₂C(CH₃)CH₂CH₃

SAFETY PROFILE: Pure material explodes on heating to 130°C, sparking or on impact. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DEF800 CAS: 5510-99-6 HR: 3
2,6-DI-sec-BUTYLPHENOL

mf: C₁₄H₂₂O mw: 206.36

PROP: Amber liquid. Bp: 152°-165° @ 25 mm, fp: -50°, flash p: 280°F, d: 0.936 @ 25°/4°.

SYN: 2,6-DI-sec-BUTYLFENOL (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 2 mg/24H SEV 85JCAE -,228,86

eye-rbt 50 µg/24H SEV 28ZPAK -,56,72

ivn-mus LD50:60 mg/kg JMCMA 23,1350,80

ivn-rbt LDLo:10 mg/kg JMCMA 23,1350,80

SAFETY PROFILE: Poison by intravenous route. A severe 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 and irritating fumes. See also PHENOL.

DEG000 CAS: 96-76-4 HR: 3
2,4-DI-tert-BUTYLPHENOL

mf: C₁₄H₂₂O mw: 206.36

PROP: Tan crystals. Mp: 56.5°, bp: 263.5°, flash p: 265°F, d: 0.907 @ 60°/4°, vap press: 1 mm @ 84.5°.

SYNS: ANTIOXIDANT No. 33 □ PRODOX 146 □ PRODOX 146A-85X

TOXICITY DATA with REFERENCE:

ipr-mus LD50:25 mg/kg NTIS** AD691-490

ivn-mus LD50:100 mg/kg JMCMA 23,1350,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Combustible when exposed to heat or flame. Can react with oxidizing materials. Violent reaction with HNO₃. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes. See also PHENOL.

DEG100 CAS: 128-39-2 HR: 3
2,6-DI-tert-BUTYLPHENOL

mf: C₁₄H₂₂O mw: 206.36

SYNS: 2,6-BIS(tert-BUTYL)PHENOL □ ETHANOX 701 □ PHENOL, 2,6-DI-tert-BUTYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:120 mg/kg JMCMA 23,1350,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEG150 CAS: 3286-98-4 HR: 2
4,6-DI-tert-BUTYL-α-PHENYL-o-CRESOL

mf: C₂₁H₂₈O mw: 296.49

SYNS: AI 3-29183 □ o-CRESOL, 4,6-DI-tert-BUTYL-α-PHENYL- □ PHENOL, 2,4-BIS(1,1-DIMETHYLETHYL)-6-(PHENYLMETHYL)-

TOXICITY DATA with REFERENCE:

orl-mus LD50:3430 mg/kg JAFCAU 27,1007,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEG200 CAS: 101-96-2 HR: 3
N,N'-DI-sec-BUTYL-p-PHENYLENEDIAMINE

mf: C₁₄H₂₄N₂ mw: 220.40

PROP: Liquid. Mp: 17.8°, flash p: 285°F (OC), d: 0.94-0.95 @ 24°/24°.

SYN: TENAMENE 2

TOXICITY DATA with REFERENCE:

orl-rat LDLo:200 mg/kg KODAK* -,71

ihl-rat LCLo:600 mg/m³/6H KODAK* -,71

skn-gpg LD50:5000 mg/kg RCTEA4 45(3),627,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation and skin contact. Corrosive to skin. A mild allergen. Symptoms of exposure are sweating, flushing, shortness of breath, and slow pulse. 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 toxic fumes of NO_x. See also AMINES.

DEG400 CAS: 2655-19-8 HR: 2
3,5-DI-*tert*-BUTYLPHENYLMETHYL-CARBAMATE

mf: C₁₆H₂₅NO₂ mw: 263.42

SYNS: BUTACARB □ BUTACARBE (FRENCH)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1800 mg/kg SPEADM 78-1,57,78

orl-mus LD50:3200 mg/kg SPEADM 78-1,57,78

orl-dog LD50:1000 mg/kg SPEADM 78-1,57,78

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

DEG600 CAS: 2528-36-1 HR: 2
DIBUTYL PHENYL PHOSPHATE

mf: C₁₄H₂₃O₄P mw: 286.34

SYN: PHOSPHORIC ACID, DIBUTYL PHENYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:2140 mg/kg GTPZAB 25(4),46,81

orl-mus LD50:1790 mg/kg GTPZAB 25(4),46,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 0.3 ppm (skin)

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

DEG700 CAS: 107-66-4 HR: 2
DIBUTYL PHOSPHATE

mf: C₈H₁₉PO₄ mw: 210.2

PROP: Pale-amber liquid or oil. Bp: 135–138° @ 0.05 mm, decomp >100°. Sol in butanol and CCl₄. IDLH 30 ppm.

SYNS: DIBUTYL ACID PHOSPHATE □ DIBUTYL HYDROGEN PHOSPHATE □ DIBUTYL PHOSPHATE □ DI-*n*-BUTYL PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3200 mg/kg 14CYAT -,1918

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1 ppm; STEL 2 ppm

ACGIH TLV: TWA 1 ppm; STEL 2 ppm

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

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dibutyl Phosphate, 5017.

DEG800 CAS: 1809-19-4 HR: 3

DIBUTYL PHOSPHITE

mf: C₈H₁₉O₃P mw: 194.24

PROP: A liquid. Bp: 116–117° @ 8 mm, flash p: 120°F, d: 0.995 @ 20°/4°, vap press: <1 mm @ 20°, vap d: 6.7.

SYNS: BUTYL ALCOHOL HYDROGEN PHOSPHITE □ DIBUTYL HYDROGEN PHOSPHITE □ MOBIL DBHP

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD JIHTAB 31,60,49

eye-rbt 250 µg open SEV JIHTAB 31,60,49

orl-rat LD50:3200 mg/kg ALBRW* #OPB-3,84

skn-rbt LD50:1990 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. Flammable liquid when exposed to heat or flame or by chemical reaction. Many phosphites decompose to evolve phosphine when heated. Explosion Hazard: See PHOSPHINE. Can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. Dangerous; when heated to decomposition or on contact with acid or acid fumes it emits highly toxic fumes of PO_x.

DEH200 CAS: 84-74-2 HR: 3
DIBUTYL PHTHALATE

mf: C₁₆H₂₂O₄ mw: 278.38

PROP: Oily liquid; mild odor. Mp: –35°, bp: 340°, flash p: 315°F (CC), d: 1.047–1.049 @ 20°/20°, autoign temp: 757°F, vap d: 9.58. IDLH 4000 mg/m³.

SYNS: BENZENE-*o*-DICARBOXYLIC ACID DI-*n*-BUTYL ESTER □ *o*-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER □ *n*-BUTYL PHTHALATE (DOT) □ CELLUFLEX DPB □ DBP □ DIBUTYL-1,2-BENZENEDICARBOXYLATE □ DI-*n*-BUTYL PHTHALATE □ ELAOL □ HEXAPLAS M/B □ PALATINOL C □ POLYCIZER DBP □ PX 104 □ RCRA WASTE NUMBER U069 □ STAFLEX DBP □ WITCIZER 300

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate JTEHD6 16,61,85

cyt-ham:fbr 30 mg/L/24H MUREAV 48,337,77

orl-hmn TDLo:140 mg/kg:CNS,GIT,KID SMWOAS 84,1243,54

orl-rat LD50:8000 mg/kg FMCHA2 -,C76,83

ihl-rat LC50:4250 mg/m³ GTPZAB 17(8),26,73

skn-rat LDLo:6 g/kg 85GMAT -,44,82

ipr-rat LD50:3050 mg/kg JPMSAE 61,51,72

orl-mus LD50:5289 mg/kg GTPZAB 17(11),51,73

ihl-mus LC50:25 g/m³/2H 85GMAT -,44,82

ivn-mus LD50:720 mg/kg KEKHB8 (3),19,73

CONSENSUS REPORTS: On the Community Right-To-Know List. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 mg/m³

ACGIH TLV: TWA 5 mg/m³

SAFETY PROFILE: Moderately toxic by intraperitoneal and intravenous routes. Mildly toxic by ingestion. Human systemic eye effects by ingestion, hallucinations, distorted perceptions, nausea or vomiting, and kidney, ureter, or bladder changes. Experimental teratogenic and reproductive effects. Mutation data reported. Combustible when exposed to heat or flame; can react with oxidizing materials. Violent reaction with Cl₂. Incompatible with chlorine. To fight fire, use CO₂, dry

chemical. When heated to decomposition it emits acrid smoke and fumes. See also ESTERS, PHTHALIC ACID, and n-BUTYL ALCOHOL.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dibutyl Phthalate, 5020.

DEH300 CAS: 1187-33-3 HR: 3
N,N-DIBUTYLPROPIONAMIDE

mf: $C_{11}H_{23}NO$ mw: 185.35

SYN: PROPIONAMIDE, N,N-DIBUTYL-

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:125 mg/kg CBCCT* 5,288,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEH600 CAS: 109-43-3 HR: 1
DIBUTYL SEBACATE

mf: $C_{18}H_{34}O_4$ mw: 314.52

PROP: Clear liquid. Bp: 180° @ 3 mm, fp: -11° , flash p: $353^\circ F$ (COC), d: 0.936 @ $20^\circ/20^\circ$, vap d: 10.8.

SYNS: BIS(n-BUTYL)SEBACATE □ DECANEDIOIC ACID, DIBUTYL ESTER □ DI-n-BUTYL SEBACATE □ KODAFLEX DBS □ MONOPLEX DBS □ POLYCIZER DBS □ PX 404 □ SEBACIC ACID, DIBUTYL ESTER □ STAFLEX DBS

TOXICITY DATA with REFERENCE:

orl-rat LD50:16 g/kg NPIRI* 2,22,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. Experimental reproductive effects. Combustible liquid 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 acrid smoke and fumes. See also ESTERS and n-BUTYL ALCOHOL.

DEH650 CAS: 7399-02-2 HR: 3
2,2'-(DIBUTYLSTANNYLENE)BIS(THIO)-
BISACETIC ACID DINONYL ESTER

mf: $C_{30}H_{60}O_4S_2Sn$ mw: 667.71

SYNS: ACETIC ACID, 2,2'-

((DIBUTYLSTANNYLENE)BIS(THIO))BIS-, DINONYL ESTER □ ACETIC ACID, ((DIBUTYLSTANNYLENE)DITHIO)DI-, DINONYL ESTER (8CI) □ MELLITE 131 □ 8-OXA-3,5-DITHIA-4-STANNAHEPTADECANOIC ACID, 4,4-DIBUTYL-7-OXO-, NONYLESTER (9CI)

TOXICITY DATA with REFERENCE:

orl-mus LD50:150 mg/kg ERNFA7 11,424,66

OSHA PEL: 8H TWA 0.1 mg(Sn)/ m^3 (skin)

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

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

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of SO_x and Sn.

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

DEH700 CAS: 1962-75-0 HR: 2

DIBUTYLTEREPHTHALATE

mf: $C_{16}H_{22}O_4$ mw: 278.38

SYNS: 1,4-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER □ TEREPHTHALIC ACID, DIBUTYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:1392 mg/kg JPMSAE 56,1446,67

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

DEH800 CAS: 23535-89-9 HR: 3
DIBUTYL(TETRACHLOROPHTHALATO)STANNANE

mf: $C_{16}H_{18}Cl_4O_4Sn$ mw: 534.83

SYNS: 3,3-DIBUTYL-6,7,8,9-TETRACHLORO-2,4,3-BENZODIOXASTANNEPIN-1,5-DIONE □ DIBUTYLTIN TETRACHLOROPHTHALATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#02077

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. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl^- .

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

DEI000 CAS: 109-46-6 HR: 3
1,3-DIBUTYLTHIOUREA

mf: $C_9H_{20}N_2S$ mw: 188.37

PROP: White to light tan powder or needles from alc. Mp: 78° , vap d: 6.5.

SYNS: N,N'-DIBUTYLTHIOUREA □ 1,3-DI-n-BUTYL-2-THIOUREA □ 1,3-DIBUTYL-2-THIOUREA □ PENNZONE B □ THIATE U □ USAF EK-2138

TOXICITY DATA with REFERENCE:

orl-rat LD50:350 mg/kg JPETAB 90,260,47

ipr-mus LD50:800 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEI200 CAS: 4253-22-9 HR: 3
DIBUTYLTHIOXOSTANNANE

mf: $C_8H_{18}SSn$ mw: 265.01

SYNS: DIBUTYLTIN SULFIDE □ TIN DIBUTYL MERCAPTIDE

TOXICITY DATA with REFERENCE:

cyt-rat-unr 100 μg /kg GISAAA 38(8),10,73

orl-rat LD50:145 mg/kg UBZHD4 50,695,78

orl-mus LD50:145 mg/kg UBZHD4 50,695,78

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)/m³

SAFETY PROFILE: Poison by ingestion. Mutation data reported. See also TIN COMPOUNDS and SULFIDES. When heated to decomposition it emits toxic fumes of SO_x.

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

DEI400 CAS: 73927-86-3 HR: 3
DI-n-BUTYLTIN BISMETHANESULFONATE

mf: C₁₀H₂₄O₆S₂Sn mw: 423.15

SYN: BIS((METHYLSULFONYL)OXY)DIBUTYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:10 mg/kg CSLNX* NX#02276

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by intravenous route. See also TIN COMPOUNDS and SULFONATES. When heated to decomposition it emits toxic SO_x.

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

DEI600 CAS: 19706-58-2 HR: 3
DI-n-BUTYL TIN DI(HEXADECYLMALEATE)

mf: C₄₈H₈₈O₈Sn mw: 912.05

SYN: HEXADECYLMALEINAN DI-n-BUTYLCINICITY (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,231,72

orl-rat LD50:386 mg/kg 28ZPAK -,231,72

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by ingestion. An eye irritant. See also TIN COMPOUNDS. When heated to decomposition it emits acrid smoke and irritating fumes.

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

DEI700 CAS: 1002-53-5 HR: 2
DIBUTYLTIN DIHYDRIDE

mf: C₈H₂₀Sn mw: 234.97

SYNS: DIBUTYLTIN HYDRIDE □ DIBUTYL-ZINN □ DIBUTYLSTANNANE □ DIBUTYLTIN □ STANNANE, DIBUTYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg ARZNAD 10,44,1960

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.

DEI800 CAS: 69239-37-8 HR: 3
DI-n-BUTYLTIN DI(MONONONYL)MALEATE

mf: C₄₂H₇₆O₈Sn mw: 827.87

SYNS: BIS(NONYLOXYMALEOYLOXY)DIOCTYLSTANNANE □ DI-n-BUTYL-ZINN-DI(MONONONYL)MALEINAT (GERMAN) □ DIOCTYLBIS(NONYLOXYMALEOYLOXY)STANNANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:170 mg/kg ARZNAD 19,934,69

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

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

DEJ000 CAS: 13323-62-1 HR: 3
DIBUTYLTIN DIOLEATE

mf: C₄₄H₅₄O₄Sn mw: 765.67

SYNS: BIS(OLEOYLOXY)DIBUTYLSTANNANE □ CN 447 □ DIBUTYLBIS(OLEOYLOXY)STANNANE □ DIBUTYLBIS((1-OXO-9-OCTADECENYL)OXY)STANNANE (Z,Z)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:32 mg/kg CSLNX* NX#03563

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).

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

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

DEJ100 CAS: 78-04-6 HR: 2
DIBUTYLTIN MALEATE

mf: C₁₂H₂₀O₄Sn mw: 347.01

SYNS: ADVASTAB DBTM □ ADVASTAB T290 □ ADVASTAB T340 □ BT 31 □ 2,2-DIBUTYL-1,3,2-DIOXASTANNEPIN-4,7-DIONE □ DIBUTYL(MALEOYLDIOXY)TIN □ DIBUTYL-STANNYLENE MALEATE □ 1,3,2-DIOXASTANNEPIN-4,7-DIONE, 2,2-DIBUTYL- □ IRGASTAB T 4 □ IRGASTAB T 150 □ IRGASTAB T 290 □ KS 4B □ MA300A □ MARKURE UL2 □ NUODEX V 1525 □ STANCLERET 157 □ STANN RC 40F □ STAVINOR 1300SN □ STAVINOR SN 1300 □ TN 3J □ TVS-MA 300 □ TVS-N 2000E

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Sn.

DEJ200 CAS: 78-06-8 HR: 3
DIBUTYLTIN MERCAPTOPROPIONATE

mf: C₁₁H₂₂O₂SSn mw: 337.08

SYNS: 2,2-DIBUTYLDIHYDRO-6H-1,3,2-OXATHIASTANNIN-6-ONE □ 2,2-DIBUTYL-1-OXA-2-STANNA-3-THIACYCLOHEXAN-6-ONE □ DIBUTYLTIN-O,S-MERCAPTOPROPIONATE □

DIBUTYLTIN-S,O-3-MERCAPTOPROPIONATE □ DIBUTYLTIN-S,O-β-MERCAPTOPROPIONATE □ DIBUTYL(3-MERCAPTOPROPIONATO(2-))TIN □ MERCAPTOPROPIONIC ACID, DIBUTYLTIN SALT

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#02852

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).

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

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

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

DEJ250 CAS: 5847-55-2 HR: 2 DIBUTYLTIN STEARATE

mf: C₄₄H₈₈O₄Sn mw: 800.01

SYNS: DIBUTYLBIS((1-OXOOCTADECYL)OXY)STANNANE □ DIBUTYLBIS(STEAROYL OXY)STANNANE □ DIBUTYLTIN DISTEARATE □ STANNANE, DIBUTYLBIS((1-OXOOCTADECYL)OXY)-(9CI) □ STANNANE, DIBUTYLBIS-(STEAROYL OXY)-

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEJ300 HR: D DIBUTYRYL CYCLIC AMP

mf: C₁₈H₂₃N₅O₈P•Na mw: 491.42

SYNS: BUCLADESINE □ SODIUM-N⁶,2'-o-DIBUTYRYL-ADENOSINE 3',5'-CYCLIC PHOSPHATE

TOXICITY DATA with REFERENCE:

ivn-rat TDLo:138 mg/kg (female 7-17D post):REP OYYAA2 27,585,84

ivn-rat TDLo:630 mg/kg (male 9W pre):TER OYYAA2 27,571,84

SAFETY PROFILE: Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of PO_x, NO_x, and Na₂O. See also AMIDES.

DEJ400 CAS: 31052-46-7 HR: 3 DICAESIUM SELENIDE

mf: Cs₂Se mw: 344.78

SYNS: CESIUM SELENIDE □ DICESIUM SELENIDE

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

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

DFG MAK: 0.1 mg(Se)/m³

SAFETY PROFILE: Ignites in air when warmed. When heated to decomposition it emits toxic fumes of Se. See also SELENIUM COMPOUNDS.

DEJ500 CAS: 16872-09-6 HR: 2 1,2-DICARBADODECABORANE(12)

mf: C₂H₁₂B₁₀ mw: 144.24

SYNS: BARENE □ o-BARENE □ o-CARBORANE □ o-CARBORANE(12) □ DECARBORINENE □ DEKENE □ o-DICARBADODECABORANE(12)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1525 mg/kg STGNBT-,131,1999

scu-rat LD50:2584 mg/kg STGNBT-,131,1999

orl-mus LD50:675 mg/kg STGNBT-,131,1999

ihl-mus LC50:170 mg/m³ STGNBT-,131,1999

scu-mus LD50:1800 mg/kg STGNBT-,131,1999

orl-rbt LD50:1612 mg/kg STGNBT-,131,1999

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and subcutaneous routes. When heated to decomposition it emits toxic vapors of B.

DEJ600 HR: 3 DICARBADODECABORANYLMETHYLETHYL SULFIDE

mf: C₅H₁₈B₁₀S mw: 218.39

SYN: CARBORANYLMETHYLETHYL SULFIDE

TOXICITY DATA with REFERENCE:

skn-rbt 1% SEV NTIS** AD-A041-973

orl-rat LD50:2085 mg/kg AEHA** 51-044-74/76

skn-rbt LD50:3890 mg/kg AEHA** 51-044-74/76

ivn-rbt LDLo:320 mg/kg AEHA** 51-044-74/76

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and skin contact. An experimental teratogen. A severe skin irritant. See also BORON COMPOUNDS. When heated to decomposition it emits toxic fumes of SO_x.

DEJ800 HR: 3 DICARBADODECABORANYLMETHYLPROPYL SULFIDE

mf: C₆H₂₀B₁₀S mw: 232.42

SYN: CARBORANYLMETHYLPROPYL SULFIDE

TOXICITY DATA with REFERENCE:

skn-rbt 1% SEV NTIS** AD-A041-973

orl-rat LD50:3440 mg/kg AEHA** 51-044-74/76

skn-rbt LD50:3160 mg/kg AEHA** 51-044-74/76

ivn-rbt LDLo:320 mg/kg AEHA** 51-044-74/76

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and skin contact. An experimental teratogen. Other experimental reproductive effects. A severe skin irritant. See also BORON COMPOUNDS. When heated to decomposition it emits toxic fumes of SO_x.

DEJ849 CAS: 68348-85-6 HR: 3 DICARBONYL MOLYBDENUM DIAZIDE

mf: C₂MoN₆O₂ mw: 236.00

PROP: IDLH 1000 mg/m³ (as Mo).

SAFETY PROFILE: An extremely sensitive explosive. It may be initiated by touch or on contact with traces of water. When heated to decomposition it emits toxic fumes

of NO_x. See also MOLYBDENUM COMPOUNDS, CARBONYLS, and AZIDES.

DEJ859 HR: 3
DICARBONYLPYRAZINE RHODIUM(1)
PERCHLORATE

mf: C₆H₄ClN₂O₆Rh
 [(OC)₂RhC₄H₄N₂]_n [ClO₄]_n

PROP: IDLH 100 mg/m³ (as Rh).

SAFETY PROFILE: The complex explodes violently when heated. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PERCHLORATES, CARBONYLS, and RHODIUM.

DEJ880 CAS: 68379-32-8 HR: 3
DICARBONYLTUNGSTEN DIAZIDE

mf: C₂N₆O₂W mw: 323.91

SAFETY PROFILE: An extremely sensitive explosive. It may be initiated by touch or on contact with traces of water. When heated to decomposition it emits toxic fumes of NO_x. See also TUNGSTEN COMPOUNDS, CARBONYLS, and AZIDES.

DEK000 CAS: 56455-90-4 HR: 2
DICARBOXIDINE HYDROCHLORIDE

mf: C₂₀H₂₄N₂O₆•2ClH mw: 461.38

SYNS: 4,4'-(4,4'-DIAMINO-(1,1'-BIPHENYL)-3,3'-DIYL)BIS(OXY)BISBUTANOIC ACID, DIHYDROCHLORIDE □ HYDROCHLORIC ACID DICARBOXIDE

TOXICITY DATA with REFERENCE:

scu-rat TDLo:21,250 mg/kg/2Y-I:ETA JJIND8 62,301,79

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

DEK200 CAS: 6362-79-4 HR: 2
3,5-DICARBOXYBENZENESULFONIC ACID,
SODIUM SALT

mf: C₈H₅O₇S•Na mw: 268.18

SYN: 3,5-DIKARBOXYBENZENSULFONAN SODNY (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 20 mg/24H SEV 28ZPAK -,185,72

orl-rat LD50:6450 mg/kg 28ZPAK -,185,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. When heated to decomposition it emits toxic fumes of SO_x and Na₂O.

DEK400 CAS: 73758-56-2 HR: 2
DICARBOXYDINE

mf: C₂₀H₂₄N₂O₆ mw: 388.46

SYNS: γ,γ',3,3'-BENZIDINE DIOXYDIBUTYRIC ACID □ 3,3'-BENZIDINE-γ,γ'-DIOXYDIBUTYRIC ACID □ 4,4'-(3,3'-DIAMINO-p,p'-BIPHENYLENEDIOXY)DIBUTYRIC ACID

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

DEK500 CAS: 16971-82-7 HR: 2
DICATECHOL BORATE 1,3-DI(o-TOLYL)-

GUANIDINE SALT

mf: C₁₅H₁₇N₃•Cl₂H₃BO₄•H mw: 394.15

SYNS: 1,2-BENZENEDIOL, BORON COMPLEX □ BORATE(1-), BIS(PYROCATECHOLATO(2-)), HYDROGEN, COMPD. WITH 1,3-DI-o-TOLYLGUANIDINE (1:1) □ BORATE(1-), BIS(1,2-BENZENEDIOLATO(2-)-KAPPA-O,KAPPA-O)-, (T-4)-, HYDROGEN, COMPD. WITH N,N'-BIS(2-METHYLPHENYL)-GUANIDINE (1:1) □ DICATECHOL BORATE, DI-ORTHO-TOLYLGUANIDINE SALT □ 1,3-DI-o-TOLYLGUANIDINIUM DIPYROCATECHOL BORATE □ NOCCELER PR □ PERMALUX □ PERMALUX NEOPRENE ACCELERATOR □ 2,2'-SPIROBI(1,3-BENZODIOXABOROLE), COMPD. WITH 1,3-DI-o-TOLYLGUANIDINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:570 mg/kg NTIS** OTS0540555

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

DEK550 CAS: 68515-49-1 HR: D
DI-(C9-C11 ALKYL) PHTHALATE

SYNS: 1,2-BENZENEDICARBOXYLIC ACID, DI-C9-C11 BRANCHED ALKYL ESTER S, C10-RICH □ BISOFLEX L911P □ DIDP □ DI-ISODECYL PHTHALATE □ DIISODECYL PHTHALATE

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

DEK600 CAS: 12014-93-6 HR: 3
DICERIUM TRISULFIDE

mf: Ce₂S₂ mw: 344.37

PROP: Red-brown (α-form), blood red (β-form) or cinnabar-colored (γ-form). Solid. Mp: 2060 (18°) (γ-form).

SYN: CERIUM TRISULFIDE

SAFETY PROFILE: The powder explodes spontaneously in air. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES and CERIUM COMPOUNDS.

DEL000 CAS: 79-43-6 HR: 2
DICHLORACETIC ACID

DOT: UN 1764

mf: C₂H₂Cl₂O₂ mw: 128.94

PROP: Colorless, corrosive liquid; pungent odor. Mp (a): 10°, (b): -4°, bp: 194°, d: 1.5634 @ 20°/4°, vap press: 1 mm @ 44.0°, vap d: 4.45.

SYNS: BICHLORACETIC ACID □ DCA □ DICHLORETHANOIC ACID □ 2,2-DICHLOROACETIC ACID □ DICHLOROETHANOIC ACID □ KYSELINA DICHLOROCTOVA □ URNER'S LIQUID

TOXICITY DATA with REFERENCE:

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

skn-rbt 2 mg/24H SEV 85JCAE -,570,86

eye-rbt 50 µg open SEV AMIHBC 4,119,51

orl-mus TDLo:427 g/kg/61W-C:CAR TXAPA9 90,183,87

orl-rat LD50:2820 mg/kg AMIHBC 4,119,51

skn-rbt LD50:510 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Moderately toxic by skin contact and ingestion. It is corrosive to the skin, eyes, and mucous

membranes. Questionable carcinogen with experimental tumorigenic data. Will react with water or steam to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORIDES.

DEL200 CAS: 50264-69-2 HR: 2
1-(2,4-DICHLOROBENZYL)INDAZOLE-3-CARBOXYLIC ACID

mf: $\text{C}_{15}\text{H}_{10}\text{Cl}_2\text{N}_2\text{O}_2$ mw: 321.17

PROP: Crystals from EtOH. Mp: 207°.

SYNS: AF 1890 □ DICA □ 1-(2,4-DICHLORO-BENZYL)-1H-INDAZOLE-3-CARBOXYLIC ACID □ 1-((2,4-DICHLORO-PHENYL)METHYL)-1H-INDAZOLE-3-CARBOXYLIC ACID □ DICLONDAZOLIC ACID □ LONIDAMINE

TOXICITY DATA with REFERENCE:

spm-rat-orl 250 mg/kg/5D-C EXMPA6 23,357,75

spm-mky-orl 250 mg/kg/5D JRPFA4 52,275,78

orl-rat LD50:1700 mg/kg CHTHBK 27,91,81

ipr-rat LD50:525 mg/kg CHTHBK 27,91,81

orl-mus LD50:900 mg/kg CHTHBK 27,91,81

ipr-mus LD50:435 mg/kg CHTHBK 27,91,81

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DEL300 CAS: 773-76-2 HR: 1
5,7-DICHLOR-8-HYDROXYCHINOLIN

mf: $\text{C}_9\text{H}_5\text{Cl}_2\text{NO}$ mw: 214.05

SYNS: CHLOFUCID □ CHLOROXINE □

CHLOROXYQUINOLINE □ CHLORQUINOL □ CHQ □

CLOFUZID □ DICHLOROXYDROXYQUINOLINE □ 5,7-

DICHLORO-8-HYDROXYQUINOLINE □ 5,7-DICHLOROOXINE

□ DICHLOROQUINOLINOL □ DICHLOROXIN □ 5,7-

DICHLOROXINE □ ENDIARON □ QUESYL □ 8-QUINOLINOL,

5,7-DICHLORO- □ QUINOLOR □ QUIXALIN

TOXICITY DATA with REFERENCE:

uns-bac-esc 100 $\mu\text{mol/L}$ MUREAV 307,141,94

orl-cat LDLo:2 g/kg ARZNAD 22,1307,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEL400 CAS: 3589-22-8 HR: 3
DICHLORIMIPRAMINE

mf: $\text{C}_{19}\text{H}_{22}\text{Cl}_2\text{N}_2$ mw: 349.33

SYNS: 5H-DIBENZ(b,f)AZEPINE,-3,7-DICHLORO-5-(3-(DIMETHYLAMINO)PROPYL)-10,11-DIHYDRO- □ 5H-DIBENZ(b,f)AZEPINE,-10,11-DIHYDRO-3,7-DICHLORO-5-(3-(DIMETHYLAMINO)PROPYL)- □ 5H-DIBENZ(b,f)AZEPINE, 3,7-DICHLORO-10,11-DIHYDRO-5-(3-(DIMETHYLAMINO)PROPYL)- □ G 28364

TOXICITY DATA with REFERENCE:

ivn-rat LD50:41 mg/kg AIPTAK 120,450,1959

ivn-mus LD50:42 mg/kg AIPTAK 120,450,1959

ivn-rbt LD50:15 mg/kg AIPTAK 120,450,1959

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

DEL600 CAS: 7791-21-1 HR: 3
DICHLORINE OXIDE

mf: Cl_2O mw: 86.906

PROP: Reddish-brown liquid; can be stored in CCl_4 . Mp: -120.6° , bp: 2° . Very sol in CCl_4 ; sol in H_2O with slow decomp to HOCl.

SAFETY PROFILE: The liquid at 2°C is an unstable spark- and touch-sensitive explosive. The gas may explode when heated above 42°C . A powerful oxidizing agent. Explodes on contact with alcohols, ammonia, antimony, antimony sulfide, arsenic, barium sulfide, calcium phosphide, carbon, carbon disulfide vapor, charcoal, cork, dicyanogen, ethers, hydrogen sulfide, mercury sulfide, nitrogen oxide, paper, phosphine, phosphorus, potassium, rubber, sulfur, tin sulfide, turpentine, and other oxidizable materials. Self-explodes. Incompatible with carbon, dicyanogen, diphenylmercury, nitrogen oxide, oxidizable materials, and potassium. Explosive reaction when heated above 50°C with many hydrocarbons (e.g., butadiene, ethane, ethylene, methane, propane).

DEL800 CAS: 17496-59-2 HR: 3
DICHLORINE TRIOXIDE

mf: Cl_2O_3 mw: 118.91

PROP: Brown crystals solid at certain temp, slowly decomp at higher temp to Cl_2O_6 .

SAFETY PROFILE: An unstable explosive gas. When heated to decomposition it emits toxic fumes of Cl^- .

DEM000 CAS: 5571-97-1 HR: 3
DICHLORMETHAZANONE

mf: $\text{C}_{11}\text{H}_{11}\text{Cl}_2\text{NO}_3\text{S}$ mw: 308.19

PROP: A solid. Mp: $122.5-126.1^\circ$.

SYNS: DICHLORMEZANONE □ 2-(3,4-DICHLOROPHENYL)-3-METHYL-4-METATHIAZANONE-1,1-DIOXIDE □ 2-(3,4-DICHLOROPHENYL)TETRAHYDRO-3-METHYL-4H-1,3-THIAZIN-4-ONE-1,1-DIOXIDE □ WIN 12267

TOXICITY DATA with REFERENCE:

orl-rat LD50:1050 mg/kg TXAPA9 1,168,59

orl-mus LD50:840 mg/kg JPETAB 122,517,57

ipr-mus LD50:570 mg/kg TXAPA9 1,168,59

orl-cat LD50:300 mg/kg TXAPA9 1,168,59

ipr-cat LD50:400 mg/kg TXAPA9 1,168,59

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

DEM200 CAS: 79-02-7 HR: 3
2,2-DICHLOROACETALDEHYDE

mf: $\text{C}_2\text{H}_2\text{Cl}_2\text{O}$ mw: 112.94

PROP: Colorless liquid, polymerizes slowly to white solid. Bp: $90-91^\circ$, fp: -50° , flash p: 140°F (CC), d: 1.436 @ $25^\circ/4^\circ$. Vap press: 50 mm @ 20° , vap d: 3.9.

SYNS: CHLORALDEHYDE □ DICHLOROACETALDEHYDE □ α,α -DICHLOROACETALDEHYDE

TOXICITY DATA with REFERENCE:

mno-sat 10 mg/plate CBINA8 30,9,80

mno-omi 10 µL/plate CBINA8 30,9,80
 sln-asn 10 mmol/L MUREAV 138,33,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. Flammable liquid when exposed to heat or flame. To fight fire, use water, foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also ACETALDEHYDE and CHLORIDES.

DEM300 CAS: 683-72-7 HR: 2
2,2-DICHLOROACETAMIDE

mf: C₂H₃Cl₂NO mw: 127.96

SYNS: ACETAMIDE, DICHLORO- □ ACETAMIDE, 2,2-DICHLORO-(8Cl,9Cl) □ DICHLOROACETAMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:1750 mg/kg JACSAT 63,1437,41

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEM400 CAS: 91674-71-4 HR: 3
DICHLOROACETIC ACID ANHYDRIDE WITH DIETHYL HYDROGEN PHOSPHATE

mf: C₆H₁₁Cl₂O₅P mw: 265.04

SYN: ACETIC ACID, DICHLORO-, ANHYDRIDE WITH DIETHYLHYDROGEN PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:15 mg/kg BOCKAF 26,4,1961

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

DEM800 CAS: 116-54-1 HR: 3
DICHLOROACETIC ACID METHYL ESTER
DOT: UN 2299

mf: C₃H₄Cl₂O₂ mw: 142.97

PROP: Colorless liquid; ethereal odor. Bp: 143.0°, d: 1.3809 @ 19.2°/19.2°, vap d: 4.93.

SYNS: METHYL DICHLOROACETATE (DOT) □ METHYL DICHLOROETHANOATE

TOXICITY DATA with REFERENCE:

ihl-cat LCLo:2000 ppm/30M TXAPA9 19,1,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poisonous irritant to the skin, eyes, and mucous membranes. Hydrolyzes upon contact with moisture to form a product corrosive to tissue. See also DICHLOROACETIC ACID and ESTERS. Dangerous; when heated to decomposition it emits highly toxic fumes of phosgene and Cl⁻.

DEM825 CAS: 4124-30-5 HR: 2
DICHLOROACETIC ANHYDRIDE

mf: C₄H₂Cl₄O₃ mw: 239.86

PROP: Liquid. Bp: 215–216° (decomp).

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MOD AMIHBC 4,119,51
 eye-rbt 50 µg open SEV AMIHBC 4,119,51
 orl-rat LD50:2820 mg/kg AMIHBC 4,119,51
 skn-rbt LD50:470 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEN000 CAS: 3018-12-0 HR: 3
DICHLOROACETONITRILE

mf: C₂HCl₂N mw: 109.94

PROP: Liquid. D: 1.374 @ 11.5 mm, bp: 113°.

SYN: DICHLOROMETHYL CYANIDE

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate ENMUDM 5,447,83

dnd-hmn:lym 50 µmol/L FAATDF 6,447,86

orl-rat LD50:330 mg/kg EVHPAZ 69,183,86

orl-mus LD50:270 mg/kg EVHPAZ 69,183,86

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 52,269,91; Animal Inadequate Evidence IMEMDT 52,269,91; Human No Available Data IMEMDT 52,269,91. Cyanide and its compounds are on the Community Right-To-Know List. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻, CN⁻, and NO_x. See also NITRILES and CHLORIDES.

DEN200 CAS: 2648-61-5 HR: 3
2,2-DICHLOROACETOPHENONE

mf: C₈H₆Cl₂O mw: 189.04

PROP: Liquid or crystals. Mp: 21°, bp: 249° (decomp), d: 1.34 @ 15°, vap d: 6.5.

SYNS: α,α-DICHLOROACETOPHENONE □ α,ω-DICHLOROACETOPHENONE □ PHENACYLIDENE CHLORIDE

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:940 mg/m³/10M NDRC* NDCrc-132,Aug,42

ivn-mus LD50:100 mg/kg CSLNX* NX#03021

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEN300 CAS: 75084-25-2 HR: D
8-DICHLOROACETOXY-9-HYDROXY-8,9-DIHYDRO-AFLATOXIN B1

mf: C₁₉H₁₄Cl₂O₈ mw: 441.23

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/L CRNGDP 1,79,80

dns-hmn:hla 50 µmol/L CRNGDP 1,79,80

dnd-mam:lym 3 g/L CRNGDP 1,79,80

SAFETY PROFILE: Human mutation data reported. See also AFLATOXIN B1.

DEN400 CAS: 79-36-7 HR: 2**DICHLOROACETYL CHLORIDE****DOT:** UN 1765mf: C₂HCl₃O mw: 147.38**PROP:** Fuming liquid, acrid odor, misc in ether. D: 1.5315 @ 16°/4°, bp: 108°, flash p: 151°F, vap d: 5.8.**SYNS:** CHLORID KYSELINY DICHLOROCTOVE □ CHLORURE de DICHLOROACETYLE (FRENCH) □ DICHLOROACETYL CHLORIDE □ α,α-DICHLOROACETYL CHLORIDE □ 2,2-DICHLOROACETYL CHLORIDE □ DICHLOROACETYL CHLORIDE (DOT) □ DICHLOROETHANOYL CHLORIDE**TOXICITY DATA with REFERENCE:**

skn-rbt 2 mg/24H SEV 85JCAE -,571,86

eye-rbt 50 µg open SEV AMIHBC 4,119,51

orl-rat LD50:2460 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:2000 ppm/4H AMIHBC 4,119,51

skn-rbt LD50:650 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Moderately toxic by ingestion, inhalation, and skin contact. Corrosive to the skin, eyes, and mucous membranes. Combustible when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORIDES.**DEN500 CAS: 98730-04-2 HR: 1**
(+)-4-(DICHLOROACETYL)-3,4-DIHYDRO-3-METHYL-2H-1,4-BENZOXAZINEmf: C₁₁H₁₁Cl₂NO₂ mw: 260.13**SYNS:** BENOXACOR □ 2H-1,4-BENZOXAZINE, 4-(DICHLOROACETYL)-3,4-DIHYDRO-3-METHYL-, (+)- □ (+)-2,2-DICHLORO-1-(3,4-DIHYDRO-3-METHYL-2H-1,4-BENZOXAZIN-4-YL)-ETHANONE (IUPAC) □ CGA 154 281**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>5 g/kg PEMNDP 9,61,91

ihl-rat LC50:>2 g/m³/4H PEMNDP 9,61,91**SAFETY PROFILE:** Low toxicity by ingestion and inhalation. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DEN600 CAS: 7572-29-4 HR: 3****DICHLOROACETYLENE**mf: C₂Cl₂ mw: 94.92**PROP:** Volatile liquid. Mp: -66 to -64°, bp: 33°.**SYNS:** DICHLOROETHYNE □ ETHYNE, DICHLORO-(9CI)**TOXICITY DATA with REFERENCE:**

mmo-sat 4000 ppm MUREAV 117,21,83

mma-sat 4000 ppm MUREAV 117,21,83

ihl-rat TCLo:14 ppm/6H/77W-I:CAR CRNGDP 5,1411,84

ihl-mus LC50:19 ppm/6H FCTXAV 13,511,75

ihl-rbt LCLo:307 ppm/1H FCTXAV 16,227,78

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 39,369,86.**OSHA PEL:** CL 0.1 ppm**ACGIH TLV:** CL 0.1 ppm**DFG MAK:** Animal Carcinogen, Suspected Human Carcinogen**DOT CLASSIFICATION:** Forbidden**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic data. Poison by inhalation. Central nervous system effects. Can be formed by thermal decomposition (>70°) from trichloroethylene. Symptoms include a disabling nausea and intense jaw pain. Strong explosive when shocked or exposed to heat or air. Can react vigorously with oxidizing materials. When heated to decomposition or on contact with acid or acid fumes it emits highly toxic fumes of Cl⁻. See also ACETYLENE COMPOUNDS and CHLORINATED HYDROCARBONS, ALIPHATIC.**DEN800 HR: 3**
DICHLOROACETYLENE mixed with ETHER (1:9)**SYN:** DCA-ETHER (1:9)**TOXICITY DATA with REFERENCE:**

ihl-rat LC50:219 ppm/4H TXAPA9 18,168,71

ihl-gpg LC50:52 ppm/4H TXAPA9 18,168,71

SAFETY PROFILE: Poison by inhalation. A very dangerous fire and explosion hazard. See also DICHLOROACETYLENE and ETHERS. When heated to decomposition it emits toxic fumes of Cl⁻.**DEN820 CAS: 24518-45-4 HR: 3**
2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-ETHOXY-1-(4-NITROPHENYL)ETHANONEmf: C₁₈H₁₆Cl₂N₂O₅ mw: 411.26**SYNS:** ETHANONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-ETHOXY-1-(4-NITROPHENYL)- □ KETONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-ETHOXY-1-(4-NITROPHENYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:3 g/kg ARZNAD 23,573,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DEN840 CAS: 27695-59-6 HR: 3**
2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-METHOXYPHENYL)-ETHANONEmf: C₁₇H₁₅Cl₂NO₄ mw: 368.23**SYNS:** ETHANONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-METHOXYPHENYL)- □ KETONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-METHOXYPHENYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:560 mg/kg ARZNAD 23,573,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DEN860 CAS: 27695-58-5 HR: 3**
2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-METHYLPHENYL)-ETHANONEmf: C₁₇H₁₅Cl₂NO₃ mw: 352.23

SYNS: ETHANONE, 2-((4-(DICHLOROACETYL)PHENYL)-AMINO)-2-HYDROXY-1-(4-METHYLPHENYL)- □ KETONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-METHYLPHENYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2500 mg/kg ARZNAD 23,573,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DEN880 CAS: 27695-60-9 HR: 3
2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-PHENOXYPHENYL)-ETHANONE

mf: C₂₂H₁₇Cl₂NO₄ mw: 430.30

SYNS: ETHANONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-PHENOXYPHENYL)- □ KETONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-PHENOXYPHENYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg ARZNAD 23,573,73

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 and Cl⁻.

DEN900 CAS: 27695-57-4 HR: 3
2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-PHENYLETHANONE

mf: C₁₆H₁₃Cl₂NO₃ mw: 338.20

SYNS: ETHANONE, 2-((4-(DICHLOROACETYL)PHENYL)-AMINO)-2-HYDROXY-1-PHENYL- □ KETONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-PHENYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1300 mg/kg ARZNAD 23,573,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DEN910 CAS: 27700-43-2 HR: 3
2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-(PHENYLTHIO)PHENYL)ETHANONE

mf: C₂₂H₁₇Cl₂NO₃S mw: 446.36

SYNS: ETHANONE, 2-((4-(DICHLOROACETYL)PHENYL)-AMINO)-2-HYDROXY-1-(4-(PHENYLTHIO)PHENYL)- □ KETONE, 2-((4-(DICHLOROACETYL)PHENYL)AMINO)-2-HYDROXY-1-(4-(PHENYLTHIO)PHENYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2500 mg/kg ARZNAD 23,573,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.

DEO200 CAS: 68594-17-2 HR: 3
1-DICHLOROAMINOTETRAZOLE

mf: CHCl₂N₅ mw: 153.96

SAFETY PROFILE: A sensitive explosive. Upon decomposition it emits toxic fumes of Cl⁻ and NO_x.

DEO210 CAS: 608-27-5 HR: 1
2,3-DICHLOROANILINE

mf: C₆H₅Cl₂N mw: 162.02

SYNS: ANILINE, 2,3-DICHLORO-(7Cl,8Cl) □ BENZENAMINE, 2,3-DICHLORO- □ 2,3-DICHLOROBENZENAMINE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:>8047 mg/m³/4H NTIS** OTS0537682

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

DEO290 CAS: 554-00-7 HR: 3
2,4-DICHLOROANILINE

mf: C₆H₅Cl₂N mw: 162.02

SYNS: ANILINE, 2,4-DICHLORO- □ BENZENAMINE, 2,4-DICHLORO-(9Cl) □ 2,4-DICHLORANILIN □ 2,4-DICHLOROBENZENAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1600 mg/kg TSCAT* OTS 206512

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

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

ipr-mus LD50:400 mg/kg TSCAT* OTS 206512

orl-cat LDLo:113 mg/kg AEXPBL 72,241,13

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEO295 CAS: 95-82-9 HR: 3
2,5-DICHLOROANILINE

mf: C₆H₅Cl₂N mw: 162.02

PROP: Needles from ligroin. Mp: 50°, bp: 251°.

SYNS: AMARTHOL FAST SCARLETT GG BASE □ AZOBASE DCA □ AZOEN FAST SCARLET 2G BASE □ AZOFIX SCARLET GG SALT □ C.I. 37010 □ C.I. AZOIC DIAZO COMPONENT 3 □ DEVOL SCARLET A (FREE BASE) □ 2,5-DICHLOROANILIN (CZECH) □ 2,5-DICHLOROBENZENEAMINE □ DURGASOL SCARLET GG SALT □ FAST RED SGG BASE □ HILTONIL FAST SCARLET 2G BASE □ HILTOSAL FAST SCARLET 2G SALT □ HINDAMINE SCARLET GG □ KAKO SCARLET GG SALT □ KAMBAMINE SCARLET GG BASE □ KAYAKU SCARLET GG BASE □ LAKE SCARLET GG BASE □ MEISEI SCARLET GG SALT □ MITUSI SCARLET GG BASE □ NAPHTHANIL SCARLET 2G BASE □ NAPHTOELAN MITSUI SCARLET GG SALT □ SANYO FAST SCARLET GG BASE □ SCARLET BASE CIBA I □ SPECTROLENE SCARLET 2G □ SYMULON SCARLET 2G SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:1600 mg/kg TSCAT* OTS 206512

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

orl-mus LD50:1600 mg/kg TSCAT* OTS 206512

ipr-mus LD50:400 mg/kg TSCAT* OTS 206512

ivn-mus LD50:56 mg/kg CSLNX* NX#00202

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous route. Moderately toxic by ingestion. Explodes spontaneously. When heated to decomposition it emits highly toxic fumes of Cl^- and NO_x . See also ANILINE and CHLORIDES.

DEO300 CAS: 95-76-1 HR: 3
3,4-DICHLOROANILINE

mf: $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ mw: 162.02

PROP: Crystals or needles from ligroin. Mp: 71–72°, bp: 144–146° @ 15 mm. Practically insol in water; very sol in alcohol, ether; sltly sol in benzene.

SYNS: 1-AMINO-3,4-DICHLOROBENZENE □ DCA □ 3,4-DCA □ 3,4-DICHLORANILIN □ 3,4-DICHLORANILINE □ 4,5-DICHLOROANILINE □ 3,4-DICHLOROBENZENAMINE (9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 2 mg/24H SEV 85JCAE -,612,86
 eye-rbt 250 µg/24H SEV 28ZPAK -,96,72
 mmo-asn 200 mg/L CJMAZ 16,369,70
 orl-rat LD50:648 mg/kg 28ZPAK -,96,72
 ihl-rat LCLo:65 mg/m³/4H TSCAT* OTS 215198
 ipr-rat LD50:280 mg/kg LPPTAK 27,306,79
 orl-mus LD50:740 mg/kg GTPZAB 13(5),29,69
 ipr-mus LD50:310 mg/kg LPPTAK 27,306,79
 skn-cat LD50:700 mg/kg GTPZAB 13(5),29,69
 orl-bwd LD50:237 mg/kg AECTCV 12,355,83

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

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. A severe eye and skin irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also ANILINE DYES and CHLORIDES.

DEO500 CAS: 70278-00-1 HR: 3
N,N-DICHLOROANILINE

mf: $\text{C}_6\text{H}_5\text{Cl}_2\text{N}$ mw: 162.02

SAFETY PROFILE: A poison. An oil which explodes spontaneously at room temperature. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also ANILINE and CHLORIDES.

DEO600 CAS: 15307-79-6 HR: 3
(o-((2,6-DICHLOROANILINO)PHENYL))ACETIC ACID SODIUM SALT

mf: $\text{C}_{14}\text{H}_{10}\text{Cl}_2\text{NO}_2 \cdot \text{Na}$ mw: 318.14

PROP: Crystals from H_2O . Mp: 283–285°.

SYNS: (o-((2,6-DICHLOROANILINO)PHENYL))ACETIC ACID MONOSODIUM SALT □ 2-((2,6-DICHLOROPHENYL)AMINO)-BENZENEACETIC ACID MONOSODIUM SALT □ DICHRONIC □ DICLOFENAC SODIUM □ DICLOPHENAC SODIUM □ GP 45840 □ KRIPLEX □ NERIODIN □ PROPHENATIN □ SODIUM (o-((2,6-DICHLOROANILINO)PHENYL))ACETATE □ SODIUM (o-((2,6-DICHLOROPHENYL)AMINO)PHENYL)ACETATE □ TSUDOHMIN □ VALETAN □ VOLTAREN □ VOLTAROL

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:180 mg/kg/13W-I BMJOAE 295,182,87
 orl-wmn TDLo:270 mg/kg/90D-I:GIT,BLD AIMDAP 152,625,92
 orl-wmn TDLo:112 mg/kg/8W-I:GIT,SKN AIMDAP 152,625,92

orl-rat LD50:53 mg/kg TOIZAG 28,99,81
 ipr-rat LD50:25 mg/kg NIIRDN 6,311,82
 scu-rat LD50:83 mg/kg IYKEDH 5,106,74
 ivn-rat LD50:117 mg/kg IYKEDH 5,106,74
 orl-mus LD50:125 mg/kg ARZNAD 34,280,84
 ipr-mus LD50:130 mg/kg IYKEDH 5,106,74
 scu-mus LD50:390 mg/kg NIIRDN 6,311,82
 ivn-mus LD50:116 mg/kg IYKEDH 5,106,74
 orl-dog LD50:59 mg/kg KSRNAM 6,1521,72

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Experimental teratogenic and reproductive effects. Human systemic effects by ingestion: changes in erythrocyte (RBC) count, dermatitis, diarrhea, hypermotility, ulceration or bleeding from large intestine. An anti-inflammatory agent. When heated to decomposition it emits very toxic fumes of Cl^- , Na_2O , and NO_x .

DEO625 CAS: 3182-02-3 HR: 2
3-(2,4-DICHLOROANILINO)-1-(2,4,6-TRICHLOROPHENYL)-2-PYRAZOLINE-5-ONE

mf: $\text{C}_{15}\text{H}_8\text{Cl}_5\text{N}_3\text{O}$ mw: 423.51

SYN: 2-PYRAZOLIN-5-ONE, 3-(2,4-DICHLOROANILINO)-1-(2,4,6-TRICHLOROPHENYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>3200 mg/kg KODAK* 21MAY1971
 ipr-rat LDLo:400 mg/kg KODAK* 21MAY1971
 skn-gpg LD50:>1 g/kg KODAK* 21MAY1971

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEO700 CAS: 82-46-2 HR: 1
1,5-DICHLORO-9,10-ANTHRAQUINONE

mf: $\text{C}_{14}\text{H}_6\text{Cl}_2\text{O}_2$ mw: 277.10

PROP: Yellow needles from AcOH. Mp: 245°.

SYNS: 9,10-ANTHRACENEDIONE, 1,5-DICHLORO- □ 1,5-DICHLORANTHRACHINON □ 1,5-DICHLOROANTHRAQUINONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,566,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEO750 CAS: 82-43-9 HR: 1
1,8-DICHLORO-9,10-ANTHRAQUINONE

mf: $\text{C}_{14}\text{H}_6\text{Cl}_2\text{O}_2$ mw: 277.10

PROP: Pale-yellow needles from PhNO_2 . Mp: 201–202°.

SYNS: 9,10-ANTHRACENEDIONE, 1,8-DICHLORO- □ 1,8-DICHLORANTHRACHINON □ 1,8-DICHLOROANTHRAQUINONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,566,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEP400 CAS: 63834-20-8 HR: 3**2-DICHLOROARSINOPHENOXATHIIN**mf: $C_{12}H_7AsCl_2OS$ mw: 345.07

SYN: TL 472

TOXICITY DATA with REFERENCE:

orl-rat LDLo: 250 mg/kg NCNSA6 5,13,53

ihl-mus LCLo: 400 mg/m³/10M NDRC** NDCrc-132,Dec,42**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 ingestion and inhalation. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of As, Cl⁻, and SO_x.**DEP450 CAS: 614-26-6 HR: D****4,4'-DICHLOROAZOXYBENZENE**mf: $C_{12}H_8Cl_2N_2O$ mw: 267.12

SYNS: AZOXYBENZENE, 4,4'-DICHLORO- □ BIS(4-CHLOROPHENYL) DIAZENE 1-OXIDE □ DCAOB □ DIAZENE, BIS(4-CHLOROPHENYL)-, 1-OXIDE (9CI) □ p,p'-DICHLORO-AZOXYBENZENE

TOXICITY DATA with REFERENCE:

mic-bac-sat 50 µg/plate AECTCV 9,533,80

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DEP599 CAS: 541-73-1 HR: 2****m-DICHLOROBENZENE**mf: $C_6H_4Cl_2$ mw: 147.00**PROP:** Liquid. D: 1.288 @ 20°/4°, fp: -26.25°, bp: 173°.

SYN: 1,3-DICHLOROBENZENE

TOXICITY DATA with REFERENCE:

mrc-smc 5 ppm NTIS** PB84-138973

ipr-mus LD50: 1062 mg/kg MUTAEX 2,111,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also o-DICHLOROBENZENE and p-DICHLOROBENZENE.**DEP600 CAS: 95-50-1 HR: 3****o-DICHLOROBENZENE**

DOT: UN 1591

mf: $C_6H_4Cl_2$ mw: 147.00**PROP:** Clear liquid. Mp: -17.5°, bp: 180.5°, fp: -22°, flash p: 151°F, d: 1.307 @ 20°/20°, vap d: 5.05, autoign temp: 1198°F, lel: 2.2%, uel: 9.2%. IDLH 200 ppm.**SYNS:** BENZENE, 1,2-DICHLORO- □ CHLOROBEN □ CHLORODEN □ CLOROBEN □ DCB □ o-DICHLOR BENZOL □ o-DICHLOROBENZENE □ 1,2-DICHLOROBENZENE □ o-DICHLOROBENZENE (ACGIH,OSHA) □ o-DICHLORO-BENZENE (DOT) □ DILANTIN DB □ DILATIN DB □ DIZENE □ DOWTHERM E □ NCI-C54944 □ ODB □ ODCB □ ORTHODI-CHLOROBENZENE □ ORTHODICHLOROBENZOL □ SPECIAL TERMITE FLUID □ TERMITKIL**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg/30S rns MLD AMIHAB 17,180,58

spm-rat-ipr 250 mg/kg JACTDZ 4(2),224,85

orl-rat LD50: 500 mg/kg WRPCA2 7,135,68

ihl-rat LCLo: 821 ppm/7H AMIHAB 17,180,58

ipr-rat LD50: 840 mg/kg MEPAAX 20,519,69

orl-mus LD50: 4386 g/kg YKYUA6 32,471,81

ivn-mus LDLo: 400 mg/kg JPBAA7 44,281,37

orl-rbt LD50: 500 mg/kg 85ARAE 3,32,76/77

ivn-rbt LDLo: 250 mg/kg JPBAA7 44,281,37

orl-gpg LDLo: 2000 mg/kg 14CYAT 2,1336,63

ihl-gpg LCLo: 800 ppm/24H JPBAA7 44,281,37

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,192,87; Animal Inadequate Evidence IMEMDT 7,231,74; IMEMDT 29,213,82; Human Inadequate Evidence IMEMDT 7,231,74; IMEMDT 29,213,82. Reported in EPA TSCA Inventory. Community Right-To-Know List.

OSHA PEL: CL 50 ppm**ACGIH TLV:** TWA 25 ppm; STEL 50 ppm; Not Classifiable as a Human Carcinogen**DFG MAK:** 50 ppm (300 mg/m³)**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Moderately toxic by inhalation and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. An eye, skin, and mucous membrane irritant. Causes liver and kidney injury. Questionable carcinogen. Mutation data reported. A pesticide. Flammable when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use water, foam, CO₂, or dry chemical. Slow reaction with aluminum may lead to explosion during storage in a sealed aluminum container. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROBENZENE and CHLORINATED HYDROCARBONS, AROMATIC.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Hydrocarbons, Halogenated, 1003.**DEP800 CAS: 106-46-7 HR: 3****p-DICHLOROBENZENE**

DOT: UN 1592

mf: $C_6H_4Cl_2$ mw: 147.00**PROP:** White crystals or leaflets with strong penetrating odor. Mp: 54°, bp: 174°, flash p: 150°F (CC), d: 1.4581 @ 20.5°/4°, vap press: 10 mm @ 54.8°, vap d: 5.08. IDLH 150 ppm.**SYNS:** p-CHLOROPHENYL CHLORIDE □ p-DICHLOR-BENZEEN (DUTCH) □ 1,4-DICHLOROBENZEEN (DUTCH) □ p-DICHLORBENZOL (GERMAN) □ 1,4-DICHLOR-BENZOL (GERMAN) □ DI-CHLORICIDE □ 1,4-DICHLOROBENZENE (MAK) □ DICHLOROBENZENE, PARA, solid (DOT) □ p-DICHLOROBENZOL □ p-DICHLOROBENZENE (ITALIAN) □ 1,4-DICHLOROBENZENE (ITALIAN) □ EVOLA □ NCI-C54955 □ PARACIDE □ PARA CRYSTALS □ PARADI □ PARADICHLOR-BENZOL (GERMAN) □ PARADICHLORO-BENZENE □ PARADICHLOROBENZOL □ PARADOW □ PARAMOTH □ PARANUGGETS □ PARAZENE □ PDB □ PDCB □ PERSIA-PERAZOL □ RCRA WASTE NUMBER U070 □ RCRA WASTE

NUMBER U071 □ RCRA WASTE NUMBER U072 □ SANTOCHLOR

TOXICITY DATA with REFERENCE:

eye-hmn 80 ppm AMIHAB 14,138,56
mmo-asn 200 mg/L CJMAZ 16,369,70
orl-hmn TDLo:300 mg/kg:EYE,PUL,GIT PCOC** - ,851,66
orl-hmn LDLo:857 mg/kg 34ZIAG -,210,69
unr-hmn LDLo:357 mg/kg YKYUA6 31,1499,80
unr-man LDLo:221 mg/kg 85DCAI 2,73,70
orl-rat LD50:500 mg/kg WRPCA2 9,119,70
ipr-rat LD50:2562 mg/kg JAPMA8 38,124,49
orl-mus LD50:2950 mg/kg GUCHAZ 6,183,73
ipr-mus LD50:2 g/kg MUTAEX 2,111,87
scu-mus LD50:5145 mg/kg TOIZAG 20,772,73
orl-rbt LD50:2830 mg/kg YKYUA6 29,453,78
orl-gpg LDLo:2800 mg/kg 14CYAT 2,1338,63

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,192,87; Animal Inadequate Evidence IMEMDT 7,231,74; IMEMDT 29,213,82. Human Inadequate Evidence IMEMDT 7,231,74; Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List.

OSHA PEL: TWA 75 ppm; STEL 110 ppm

ACGIH TLV: TWA 10 ppm, Confirmed Animal Carcinogen.

DFG MAK: 50 ppm (300 mg/m³)

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

NIOSH REL: (p-Dichlorobenzene): (1.7 ppm LOQ)

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. An experimental teratogen. A human poison by an unspecified route. Moderately toxic to humans by ingestion. Moderately toxic experimentally by ingestion, subcutaneous, and intraperitoneal routes. Other experimental reproductive effects. Human systemic effects by ingestion: unspecified changes in the eyes, lungs, thorax and respiration, and decreased motility or constipation. Can cause liver injury in humans. A human eye irritant. Mutation data reported. A fumigant. Flammable liquid when exposed to heat, flame, or oxidizers. Dangerous; 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: Hydrocarbons, Halogenated, 1003.

DEQ000 CAS: 5836-73-7 HR: 3

3,4-DICHLOROBENZENE DIAZOTHIUREA

mf: C₇H₆Cl₂N₄S mw: 249.13

SYNS: CHLOROPROMURITE □ (3,4-DICHLOR-FENYL-AZO)-THIOUREUM (DUTCH) □ 1-(3',4'-DICHLOROBENZENEDI-AZOL)-2-THIOUREA □ 3,4-DICHLOROBENZENE DIAZO-THIOCARBAMID □ 3,4-DICHLOROPHENYLAZOTHIO-UREA □ 3,4-DICHLOROPHENYL-AZOTHIOUREE (FRENCH) □ (3,4-DICHLOR-PHENYL-AZO)-THIOHARNSTOFF (GERMAN) □ (3,4-DICLORO-FENIL-AZO)-TIOUREA (ITALIAN) □ MURITAN □ PROMURIT □ PROMURITE

TOXICITY DATA with REFERENCE:

orl-rat LD50:280 µg/kg FEPA7 8,282,49
ipr-rat LD50:200 µg/kg FEPA7 8,282,49
orl-mus LD50:1 mg/kg 28ZEAL 5,188,76
ipr-mus LD50:1350 µg/kg FEPA7 8,282,49
orl-dog LD50:1 mg/kg 28ZEAL 5,188,76
ipr-rbt LD50:1750 µg/kg FEPA7 8,282,49
ipr-gpg LD50:1900 µg/kg FEPA7 8,282,49

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

DEQ200 CAS: 120-97-8 HR: 3
4,5-DICHLORO-m-BENZENEDISULFONAMIDE

mf: C₆H₆Cl₂N₂O₄S₂ mw: 305.16

PROP: Needles from DMSO (aq). Mp: 239–241°. Sol in alkalies.

SYNS: CB 8000 □ DARANIDE □ DASANIDE □ DICHLOROFEN-AMIDE □ 4,5-DICHLORO-1,3-BENZENEDISULFONAMIDE □ 4,5-DICHLORO-1,3-DISULFAMOYL-BENZENE □ DICHLORO-PHENAMIDE □ 3,4-DICHLORO-5-SULFAMYL-BENZENE-SULFONAMIDE □ DICHLORPHENAMIDE □ 1,3-DISULFAMYL-4,5-DICHLOROBENZENE □ ORATROL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2600 mg/kg 29ZVAB -,41,69
orl-mus LD50:1710 mg/kg 29ZVAB -,41,69
ipr-mus LD50:304 mg/kg THERAP 19,1423,64
ivn-mus LD50:643 mg/kg 29ZVAB -,41,69
ivn-dog LD50:200 mg/kg 29ZVAB -,41,69

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

DEQ400 CAS: 84-68-4 HR: D

2,2'-DICHLOROBENZIDINE

mf: C₁₂H₁₀Cl₂N₂ mw: 253.14

PROP: Needle-like crystals or prisms from alc. Mp: 167°, vap d: 8.73. Insol in water; sol in alc and ether.

SYN: 2,2'-DICHLORO-(1,1'-BIPHENYL)-4,4'-DIAMINE

TOXICITY DATA with REFERENCE:

dns-hmn:hla 100 nmol/L CNREA8 38,2621,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Human mutation data reported. An allergen. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DEQ600 CAS: 91-94-1 HR: 3

3',3'-DICHLOROBENZIDINE

mf: C₁₂H₁₀Cl₂N₂ mw: 253.14

PROP: Crystals or needles from alc. Mp: 133°. Insol in water; sol in alc, benzene, and glacial acetic acid.

SYNS: C.I. 23060 □ CURITHANE C126 □ DCB □ 4,4'-DIAMINO-3,3'-DICHLOROBIPHENYL □ 4,4'-DIAMINO-3,3'-DICHLORO-DIPHENYL □ 3,3'-DICHLOROBENZIDIN (CZECH) □ 3,3'-DICHLOROBENZIDINA (SPANISH) □ DICHLOROBENZIDINE □ o,o'-DICHLOROBENZIDINE □ 3,3'-DICHLOROBENZIDINE □ DICHLOROBENZIDINE BASE □ 3,3'-DICHLOROBIPHENYL-4,4'-DIAMINE □ 3,3'-DICHLORO-4,4'-BIPHENYLDIAMINE □ 3,3'-DICHLORO-4,4'-DIAMINOBI-PHENYL □ 3,3'-DICHLORO-4,4'-DIAMINO(1,1-BIPHENYL) □ RCRA WASTE NUMBER U073

TOXICITY DATA with REFERENCE:

mno-sat 50 µg/plate CALEDQ 4,21,77
 dns-hmn:hla 100 nmol/L CNREA8 38,2621,78
 bfa-rat/sat 40 mg/kg SAIGBL 23,426,81
 otr-ham:kdy 80 µg/L BJCAAI 37,873,78
 dnd-mam:lym 25,500 nmol/L CBINA8 38,369,82

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,193,87; Human Inadequate Evidence IMEMDT 29,239,82; Animal Sufficient Evidence IMEMDT 29,239,82; IMEMDT 4,49,74. Reported in EPA TSCA Inventory. Community Right-To-Know List. EPA Genetic Toxicology Program.

OSHA PEL: Cancer Suspect Agent

ACGIH TLV: Animal Carcinogen

DFG MAK: DFG TRK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Benzidine-based Dye) Reduce to lowest feasible level

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

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-65 or NIOSH: Benzidine and 3,3'-Dichlorobenzidine, 5509.

DEQ800 CAS: 612-83-9 HR: 3
3,3'-DICHLOROBENZIDINE DIHYDRO-CHLORIDE

mf: C₁₂H₁₀Cl₂N₂•2ClH mw: 326.06

SYN: 3,3'-DICHLORO-(1,1'-BIPHENYL)-4,4'-DIAMINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate ENMUDM 5(Suppl 1),3,83
 mma-sat 1 µg/plate ENMUDM 5(Suppl 1),3,83
 orl-rat LD50:3820 mg/kg 34ZLAG -,211,69

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. Reported in EPA TSCA Inventory.

OSHA PEL: Cancer Suspect Agent

SAFETY PROFILE: Confirmed carcinogen. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DER000 CAS: 510-15-6 HR: 3
4,4'-DICHLOROBENZILIC ACID ETHYL ESTER

mf: C₁₆H₁₄Cl₂O₃ mw: 325.20

PROP: Viscous liquid, sometimes yellow, sltly sol in water. Bp: 146–148°, vap press: 2.2×10^{-6} mm @ 20°.

SYNS: ACAR □ ACARABEN 4E □ AKAR □ BENZILAN □ BENZ-o-CHLOR □ CHLOROBENZILATE □ CHLORO-BENZYLATE □ COMPOUND 338 □ 4,4'-DICHLOROBENZIL-SAEUREAETHYLESTER (GERMAN) □ 4,4'-DICHLOROBENZILATE □ ENT 18,59 □ ETHYL 4-CHLORO-α-(4-CHLOROPHENYL)-α-HYDROXYBENZENEACETATE □ ETHYL-p,p'-DICHLOROBENZILATE □ ETHYL-4,4'-DICHLOROBENZILATE □ ETHYL-4,4'-DICHLORODIPHENYL GLYCOLLATE □ ETHYL-4,4'-DICHLOROPHENYL GLYCOLLATE □ ETHYL ESTER OF 4,4'-DICHLOROBENZILIC ACID □ ETHYL-2-HYDROXY-2,2-BIS(4-CHLOROPHENYL)ACETATE □ FOLBEX □ FOLBEX SMOKE-

STRIPS □ G 338 □ G 23992 □ GEIGY 338 □ KOP MITE □ NCI-C00408 □ NCI-C60413 □ RCRA WASTE NUMBER U038

TOXICITY DATA with REFERENCE:

skn-rbt 125 mg open MLD CIGET* -,77
 eye-rbt 25 mg MOD CIGET* -,77
 orl-rat TD:1752 mg/kg/2Y-C:NEO CTOXAO 16,67,80
 orl-rat LD50:700 mg/kg WRPCA2 9,119,70
 orl-mus LD50:729 mg/kg GUCHAZ 6,106,73
 orl-ham LD50:700 mg/kg TXAPA9 48,A192,79

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 30,73,83; Animal Sufficient Evidence IMEMDT 5,75,74. NCI Carcinogenesis Bioassay Completed; Results Positive: mouse NCITR* NCI-CG-TR-75,78. NCI Carcinogenesis Bioassay Completed; Results Indefinite: rat NCITR* NCI-CG-TR-75,78. Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Moderately toxic by ingestion. A skin and eye irritant. A pesticide. When heated to decomposition it emits toxic fumes of Cl⁻.

DER100 CAS: 50-84-0 HR: 2
2,4-DICHLOROBENZOIC ACID

mf: C₇H₄Cl₂O₂ mw: 191.01

SYN: BENZOIC ACID, 2,4-DICHLORO-

TOXICITY DATA with REFERENCE:

scu-mus LD50:1200 mg/kg BCPA6 13,1538,64
 orl-mus LD50:830 mg/kg SKEZAP 20,332,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DER400 CAS: 50-79-3 HR: 2
2,5-DICHLOROBENZOIC ACID

mf: C₇H₄Cl₂O₂ mw: 191.01

PROP: A solid. Mp: 155.5°.

TOXICITY DATA with REFERENCE:

uns-sat 1 g/L MUREAV 264,1,91
 scu-mus LD50:1200 mg/kg BCPA6 13,1538,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.

DER600 CAS: 51-44-5 HR: 3
3,4-DICHLOROBENZOIC ACID

mf: C₇H₄Cl₂O₂ mw: 191.01

PROP: Needles from EtOH (aq) or C₆H₆. Mp: 208–209°.

SYNS: SYNSTIGMINE □ SYNTOSTIGMIN □ VAGOSTIGMIN

TOXICITY DATA with REFERENCE:

scu-mus LD50:400 mg/kg BCPA6 13,1538,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DER800 CAS: 1194-65-6 HR: 2

2,6-DICHLORO BENZONITRILE

mf: $\text{C}_7\text{H}_3\text{Cl}_2\text{N}$ mw: 172.01

PROP: White solid. Mp: 142.5–143.5°. Almost insol in water; sol in org solvs.

SYNS: CARSORON □ CASORON 133 □ CODE H 133 □ 2,6-DBN □ DBN (the herbicide) □ DCB □ DECABANE □ DICHLOBENIL (DOT) □ 2,6-DICHLOROBENZONITRIL (GERMAN) □ DU-SPREX □ H 133 □ H 1313 □ NIA 5996 □ NIAGARA 5006 □ NIAGARA 5,996

TOXICITY DATA with REFERENCE:

orl-rat LD50:2710 mg/kg RREVAH 10,97,65
orl-mus LD50:2056 mg/kg 28ZEAL 5,73,76
skn-rbt LD50:1350 mg/kg GUCHAZ 6,177,73
orl-gpg LD50:681 mg/kg PCOC** -,337,66

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

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. Questionable carcinogen with experimental tumorigenic data. Does not hydrolyze to HCN in body. Less toxic than most aliphatic nitriles. When heated to decomposition it emits toxic fumes of Cl^- , CN^- , and NO_x . See also BENZONITRILE, CHLORIDES, and NITRILES.

DES000 CAS: 90-98-2 HR: 3

p,p'-DICHLORO BENZOPHENONE

mf: $\text{C}_{13}\text{H}_8\text{Cl}_2\text{O}$ mw: 251.11

PROP: A solid. Mp: 147–148°, bp: 353°.

SYNS: DBP □ DCB □ 4,4'-DICHLORO BENZOPHENONE □ USAF DO-4

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DES400 CAS: 697-91-6 HR: 2

2,6-DICHLORO-p-BENZOQUINONE

mf: $\text{C}_6\text{H}_2\text{Cl}_2\text{O}_2$ mw: 176.98

PROP: Yellow prisms from EtOH. Mp: 121°. Sol in EtOH, CHCl_3 , Me_2CO , C_6H_6 , and Et_2O .

SYNS: 2,6-DICHLOROQUINONE □ 2,6-DICHLORO-2,5-CYCLOHEXADIENE-1,4-DIONE □ 2,6-DICHLORO-p-QUINONE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg NCNSA6 5,20,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- .

DES450 CAS: 2905-62-6 HR: 2

3,5-DICHLORO BENZOYL CHLORIDE

mf: $\text{C}_7\text{H}_3\text{Cl}_3\text{O}$ mw: 209.45

SYNS: BENZOYL CHLORIDE, 3,5-DICHLORO- □ RH-24,299

TOXICITY DATA with REFERENCE:

skn-rbt 500 μL /24H MOD NTIS** OTS0537061

eye-rbt 100 μL MLD NTIS** OTS0537061

orl-rat LD50:794 mg/kg NTIS** OTS0537061

SAFETY PROFILE: Moderately toxic by ingestion. A moderate skin and mild eye irritant. When heated to decomposition it emits toxic vapors of Cl^- .

DES500 CAS: 71561-11-0 HR: 3
2-((4-(2,4-DICHLORO BENZOYL)-1,3-DIMETHYL-1H-PYRAZOL-5-YL)OXY)-1-PHENYLETHANONE

mf: $\text{C}_{20}\text{H}_{16}\text{Cl}_2\text{N}_2\text{O}_3$ mw: 403.28

SYNS: 2-(4-(2,4-DICHLORO BENZOYL)-1,3-DIMETHYL-PYRAZOL-5-YLOXY)ACETOPHENONE □ 2-((4-(2,4-DICHLORO BENZOYL)-1,3-DIMETHYL-1H-PYRAZOL-5-YL)OXY)-1-PHENYLETHANONE □ PAICER □ PYRAZOXYFEN □ SL 49

TOXICITY DATA with REFERENCE:

orl-rat LD50:1644 mg/kg JPIFAN (45),24,1984

ihl-rat LC50:>280 mg/m^3 NNGADV 13,167,1988

skn-rat LD50:>5 gm/kg JPIFAN (45),24,1984

ipr-rat LD50:308 mg/kg NNGADV 13,167,1988

scu-rat LD50:4920 mg/kg NNGADV 13,167,1988

orl-mus LD50:>8450 mg/kg JPIFAN (45),24,1984

ipr-mus LD50:659 mg/kg NNGADV 13,167,1988

scu-mus LD50:>8450 mg/kg NNGADV 13,167,1988

SAFETY PROFILE: A poison by inhalation and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects.

DET000 CAS: 12041-76-8 HR: 3

DICHLORO BENZYL ALCOHOL

mf: $\text{C}_7\text{H}_6\text{Cl}_2\text{O}$ mw: 177.03

PROP: Crystals. Vap d: 6.1.

SYNS: BAYER 4245 □ RAPIDOSEPT

TOXICITY DATA with REFERENCE:

orl-rat LD50:810 mg/kg AIHAAP 30,470,69

skn-rbt LD50:400 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Poison by skin contact. Moderately toxic by ingestion. An insecticide. When heated to decomposition it emits toxic fumes of Cl^- . See also ALCOHOLS and CHLORIDES.

DET125 CAS: 67230-61-9 HR: D

7-((3,4-DICHLORO BENZYL)AMINO)ACTINOMYCIN D

mf: $\text{C}_{69}\text{H}_{91}\text{Cl}_2\text{N}_{13}\text{O}_{16}$ mw: 1429.63

SYN: 7-((3,4-DICHLOROPHENYL)METHYL)AMINO-ACTINOMYCIN D

TOXICITY DATA with REFERENCE:

dni-mus:lym 418 nmol/L JMC MAR 24,1052,81

oms-mus:lym 96 nmol/L JMC MAR 24,1052,81

dnd-mam:lym 3 $\mu\text{mol}/\text{L}$ JMC MAR 26,448,83

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

DET400 CAS: 1966-58-1 HR: 2
3,4-DICHLORO BENZYL METHYLCARBAMATE

mf: C₉H₉Cl₂NO₂ mw: 234.09**SYNS:** 3,4-DICHLOROBENZENEMETHANOL
METHYLCARBAMATE □ ROWMATE □ SIRMATE □ UC 22,463**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1870 mg/kg WRPCA 2,119,70

orl-mus LD50:1620 mg/kg 31ZOAD 1,141,68

SAFETY PROFILE: Moderately toxic by ingestion.When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also CARBAMATES.**DET600 CAS: 62046-37-1 HR: 2**
3,4-DICHLOROBENZYL METHYLCARBAMATE
with 2,3-DICHLOROBENZYL
METHYLCARBAMATE (80:20)mf: C₉H₉Cl₂NO₂ mw: 234.09**SYNS:** CHLORXYLAM □ 2,3(or 3,4)-DICHLOROBENZENE-
METHANOL METHYL CARBAMATE □ ENT 25,736 □

ROWMATE □ SIRMATE □ U-17004 □ UC 22,463

TOXICITY DATA with REFERENCE:

orl-rat LD50:1870 mg/kg 28ZEAL 4,144,69

SAFETY PROFILE: Moderately toxic by ingestion.When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also individual components and CARBAMATES.**DET700 CAS: 25512-42-9 HR: 2**
DICHLORO-1,1'-BIPHENYLmf: C₁₂H₈Cl₂ mw: 223.10**SYNS:** BIPHENYL, DICHLORO- □ 1,1'-BIPHENYL, DICHLORO-
(9CI) □ DICHLOROBIPHENYL □ DICHLORODIPHENYL**TOXICITY DATA with REFERENCE:**

unr-rat LD50:2230 mg/kg GISAAA 53(5),6,88

SAFETY PROFILE: Moderately toxic by an
unreported route. When heated to decomposition it emits
toxic vapors of Cl⁻.**DET800 CAS: 13029-08-8 HR: D**
2,2'-DICHLOROBIPHENYLmf: C₁₂H₈Cl₂ mw: 223.10**PROP:** Crystals from MeOH. Mp: 60.5°.**SYNS:** 2,2'-DICHLOROBIPHENYL (GERMAN) □ 2,2'-DICHLORO-
1,1'-BIPHENYL**SAFETY PROFILE:** Experimental teratogenic and
reproductive effects. When heated to decomposition it
emits toxic fumes of Cl⁻. See also
POLYCHLORINATED BIPHENYLS.**DET825 CAS: 2050-67-1 HR: 3**
3,3'-DICHLOROBIPHENYLmf: C₁₂H₈Cl₂ mw: 223.10**SYN:** 1,1'-BIPHENYL, 3,3'-DICHLORO-**TOXICITY DATA with REFERENCE:**

ipr-rat TDLo:160 mg/kg RCOCB8 9,85,1974

SAFETY PROFILE: A poison by ingestion. When
heated to decomposition it emits toxic vapors of Cl⁻.**DET850 CAS: 2050-68-2 HR: D**
4,4'-DICHLOROBIPHENYLmf: C₁₂H₈Cl₂ mw: 223.10**SYNS:** BIPHENYL, 4,4'-DICHLORO- □ 1,1'-BIPHENYL, 4,4'-
DICHLORO- □ p,p'-DCBP □ P,P'-DICHLOROBIPHENYL □ PCB
15**TOXICITY DATA with REFERENCE:**

slt-orl-dmg 1 mmol/L MUREAV 342,61,95

SAFETY PROFILE: Mutation data reported. When
heated to decomposition it emits toxic vapors of Cl⁻.**DET900 CAS: 34883-43-7 HR: 1**
2,4'-DICHLORO-1,1'-BIPHENYLmf: C₁₂H₈Cl₂ mw: 223.10**SYNS:** BIPHENYL, 2,4'-DICHLORO- □ 1,1'-BIPHENYL, 2,4'-
DICHLORO-(9CI) □ 2,4'-DICHLOROBIPHENYL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:7860 mg/kg EVHPAZ 24,173,78

SAFETY PROFILE: Low toxicity by ingestion. When
heated to decomposition it emits toxic vapors of Cl⁻.**DEU000 CAS: 6358-85-6 HR: 1**
2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-
DIYL)-BIS(AZO))BIS(3-OXO-N-
PHENYL)BUTANAMIDEmf: C₃₂H₂₆Cl₂N₆O₄ mw: 629.54**SYNS:** AMAZON YELLOW X2485 □ BENZIDINE LACQUER
YELLOW G □ BENZIDINE YELLOW □ BENZIDINE YELLOW
TONER YT-378 □ BIS(ACETYL-N-PHENYLCARBAMYL-
METHYL)-4,4'-DISAZO-3,3'-DICHLOROBIPHENYL □ BRILLIANT
YELLOW SLURRY □ CARNELIO YELLOW GX □ C.I. 21090 □
C.I. PIGMENT YELLOW 12 □ DAINICHI BENZIDINE YELLOW
GRT □ DAIRYLIDE YELLOW AAA □ DALTOLITE FAST
YELLOW GT □ DIARYLANILIDE YELLOW □ 2,2'-((3,3'-
DICHLORO(1,1'-DIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(3-OXO-N)-
PHENYLBUTANAMIDE □ ELJON YELLOW BG □ GRAPHOTOL
YELLOW A-HG □ HANCOCK YELLOW 10010 □ HELIC
YELLOW GW □ IRGALITE YELLOW BO □ ISOL BENZIDINE
YELLOW G □ KROMON YELLOW MTB □ LIGHT YELLOW JB
□ LODESTONE YELLOW YB-57 □ MONOLITE YELLOW GT □
NCI-C03269 □ No. 49 CONCENTRATED BENZIDINE YELLOW
□ PERMANENT YELLOW GHG □ PIGMENT YELLOW GT □
RANGOON YELLOW □ RECOLITE YELLOW GB □ SANYO
BENZIDINE YELLOW-B □ SEGNALE LIGHT YELLOW 2GR □
SILOTON YELLOW GTX □ SYMULER FAST YELLOW GF □
VERONA YELLOW X-1791 □ VULCAFOR FAST YELLOW GTA**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>10,800 mg/kg SCIEAS 36(1-4),10,89

CONSENSUS REPORTS: NCI Carcinogenesis
Bioassay Completed; Results Negative NCITR* NCI-CG-
Tr-30,78. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion. When
heated to decomposition it emits very toxic fumes of Cl⁻
and NO_x. See also CHLORIDES and AMIDES.**DEU100 CAS: 70134-26-8 HR: 3**
DICHLOROBIS(2-CHLOROCYCLOHEXYL)-
SELENIUMmf: C₁₂H₂₀Cl₄Se mw: 385.08**SYN:** SELENIUM, DICHLOROBIS(2-CHLOROCYCLOHEXYL)-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#04576

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 Se and Cl^- .

DEU115 CAS: 18252-65-8 HR: 3
cis-DICHLOROBIS(DIMETHYLSELENIDE)-PLATINUM(II)

mf: $\text{C}_4\text{H}_{12}\text{Cl}_2\text{PtSe}_2$ mw: 484.07

PROP: IDLH 4 mg/ m^3 (as Pt).

SYNS: NSC-271675 □ PLATINUM(II), BIS(METHYL SELENIDE)-DICHLORO-, cis- □ PLATINUM, DICHLOROBIS(METHYL SELENIDE)-, cis- □ PLATINUM, DICHLOROBIS(SELENOBIS-(METHANE))- (SP-4-2)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:50 mg/kg CTRRDO 61,1519,77 85INA8 5,492,86

OSHA PEL: TWA 0.2 mg(Se)/ m^3

ACGIH TLV: TWA 0.2 mg(Se)/ m^3 ; TWA 0.002 mg(Pt)/ m^3

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of Se, Pt, and Cl^- .

DEU125 CAS: 74037-18-6 HR: 3
DICHLOROBIS(2-ETHOXYCYCLOHEXYL)-SELENIUM

mf: $\text{C}_{16}\text{H}_{30}\text{Cl}_2\text{O}_2\text{Se}$ mw: 404.32

SYN: SELENIUM, DICHLOROBIS(2-ETHOXYCYCLOHEXYL)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04578

OSHA PEL: TWA 0.2 mg(Se)/ m^3

ACGIH TLV: TWA 0.2 mg(Se)/ m^3

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

DEU150 CAS: 91513-55-2 HR: D
DICHLOROBIS(α -METHYLBENZENEMETHAN-AMINE)PLATINUM (SP-4-2)

mf: $\text{C}_{16}\text{H}_{22}\text{Cl}_2\text{N}_2\text{Pt}$ mw: 508.39

PROP: IDLH 4 mg/ m^3 (as Pt).

SYN: PLATINUM, DICHLOROBIS(α -METHYLBENZENEMETHANAMINE)-, (SP-4-2)

TOXICITY DATA with REFERENCE:

mic-sat 12 μL /plate TECSYD 8,1,1984

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

DEU160 CAS: 22798-21-6 HR: D
cis-DICHLOROBIS(1,10-PHENANTHROLINE)RHODIUM CHLORIDE

mf: $\text{C}_{24}\text{H}_{16}\text{Cl}_2\text{N}_4\text{Rh}\cdot\text{Cl}$ mw: 569.70

PROP: IDLH 100 mg/ m^3 (as Rh).

SYNS: (OC-6-22)-DICHLOROBIS(1,10-PHENANTHROLINE- N^1), N^{10})RHODIUM CHLORIDE □ RHODIUM(1+), DICHLOROBIS(1,10-PHENANTHROLINE- N^1), N^{10})-, CHLORIDE, (OC-6-22)-

TOXICITY DATA with REFERENCE:

mic-sat 500 nmol/plate MUREAV 88,165,1981

ACGIH TLV: TWA 1 mg(Rh)/ m^3 . Not Classifiable as a human carcinogen.

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

DEU200 CAS: 38780-42-6 HR: 3
cis-DICHLOROBIS(PYRROLIDINE)PLATINUM(II)

mf: $\text{C}_8\text{H}_{18}\text{Cl}_2\text{N}_2\text{Pt}$ mw: 408.27

PROP: IDLH 4 mg/ m^3 (as Pt).

SYN: cis-DIPYRROLIDINEDICHLOROPLATINUM(II)

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate CNREA8 39,913,79

ipr-mus LD50:240 mg/kg CBINA8 5,415,72

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DEU259 CAS: 2899-02-7 HR: 3
N,N'-DICHLOROBIS(2,4,6-TRICHLOROPHENYL)UREA

mf: $\text{C}_{13}\text{H}_4\text{Cl}_8\text{N}_2\text{O}$ mw: 487.81

$\text{O}:\text{C}(\text{NCIC}_6\text{H}_2\text{Cl}_3)_2$

SAFETY PROFILE: Violent or explosive reaction on mixing with dimethyl sulfoxide. Ignites on contact with ammonia, ammonium carbonate, or organic amines. A fabric treatment mixture of the urea with 1-(4-nitrophenylazo)-2-naphthol + zinc oxide may ignite spontaneously in storage, especially if heated. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

DEU300 CAS: 10325-39-0 HR: 3
DICHLOROBORANE

mf: BCl_2H mw: 82.72

PROP: Gas, readily disproportionates; air and moisture-sensitive.

SAFETY PROFILE: A poison. Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Cl^- . See also BORON COMPOUNDS, BORANES, and CHLORIDES.

DEU375 CAS: 28577-62-0 HR: D
DICHLORO-1,3-BUTADIENE

mf: $\text{C}_4\text{H}_4\text{Cl}_2$ mw: 122.98

SYNS: DCDB □ DICHLOROBUTADIENE

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects by inhalation. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DEU400 CAS: 1653-19-6 HR: 1
2,3-DICHLORO-1,3-BUTADIENE

mf: $\text{C}_4\text{H}_4\text{Cl}_2$ mw: 122.98

PROP: Liquid. D: 1.183 @ 20°/4°, bp: 98°.

SYN: 2,3-DICHLOR-1,3-BUTADIEN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,29,72

eye-rbt 500 mg/24H MLD 28ZPAK -,29,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye and severe skin irritant. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DEU509 CAS: 51104-87-1 HR: 3
1,4-DICHLORO-1,3-BUTADIYNE
 mf: C_4Cl_2 mw: 118.95
 $\text{ClC}\equiv\text{CC}\equiv\text{CCl}$

PROP: Liquid. Mp: 11.0–11.2°.

SAFETY PROFILE: Explodes when heated above 70°C. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC; and ACETYLENE COMPOUNDS.

DEU600 CAS: 26761-81-9 HR: 2
mixo-DICHLOROBUTANE
 mf: $\text{C}_4\text{H}_8\text{Cl}_2$ mw: 122.98

PROP: Flash p: 69.8°F (1,2 and 1,3 isomers).

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

DEU650 CAS: 926-57-8 HR: 2
1,3-DICHLORO-2-BUTENE
 mf: $\text{C}_4\text{H}_6\text{Cl}_2$ mw: 125.00

SYN: 2-BUTENE, 1,3-DICHLORO-

TOXICITY DATA with REFERENCE:

ihl-rat LC50:3930 mg/ m^3 ZKMAAX (6),66,69

ihl-mus LC50:4400 mg/ m^3 ZKMAAX (6),66,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DEV000 CAS: 764-41-0 HR: 3
1,4-DICHLORO-2-BUTENE
 mf: $\text{C}_4\text{H}_6\text{Cl}_2$ mw: 125.00

PROP: Colorless liquid. Mp: 1–3°, bp: 156°, d: 1.183 @ 25°/4°.

SYNS: DCB □ 1,4-DCB □ 1,4-DICHLOROBUTENE-2 (MAK) □ RCRA WASTE NUMBER U074

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

mno-sat 1 mmol/L ARTODN 41,249,79

mma-sat 1 mmol/L ARTODN 41,249,79

sln-dmg-orl 2 mmol/L/3D-I 35WYAM -,63,76

cyt-rat-ihl 1700 $\mu\text{g}/\text{m}^3$ /30D-I ZKMAAX 25,335,85

orl-rat LD50:89 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:62 ppm/4H AMIHBC 4,119,51

orl-mus LD50:190 mg/kg GTPZAB 29(4),49,85

ihl-mus LC50:920 mg/ m^3 GTPZAB 29(4),49,85

ivn-mus LD50:56 mg/kg CSLNX* NX#01103

skn-rbt LD50:620 mg/kg AMIHBC 4,119,51

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

ACGIH TLV: Animal Carcinogen, Suspected Human Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Poison by ingestion, inhalation, and intravenous routes. Moderately toxic by skin contact. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. A severe skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DEV100 CAS: 760-23-6 HR: 2
3,4-DICHLORO-1-BUTENE
 mf: $\text{C}_4\text{H}_6\text{Cl}_2$ mw: 125.00

SYN: 1-BUTENE, 3,4-DICHLORO-

TOXICITY DATA with REFERENCE:

cyt-rat-ihl 13,700 $\mu\text{g}/\text{m}^3$ /30D-I ZKMAAX 25,335,85

orl-mus LD50:724 mg/kg GISAAA 51(7),77,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- .

DEV200 CAS: 11069-19-5 HR: 3
DICHLOROBUTENE
DOT: NA 2920

mf: $\text{C}_4\text{H}_6\text{Cl}_2$ mw: 125.00

SYNS: BUTENE, DICHLORO- □ DICHLOROBUTYLENE

DOT CLASSIFICATION: 8; Label: Corrosive, Flammable Liquid

SAFETY PROFILE: A flammable liquid. When heated to decomposition it emits toxic vapors of Cl^- .

DEU200 CAS: 64037-54-3 HR: D
1,2-DICHLORO-3-BUTENE (RACEMIC MIXTURE)

mf: $\text{C}_4\text{H}_6\text{Cl}_2$ mw: 125.00

SYNS: 1-BUTENE, 3,4-DICHLORO-(RACEMIC MIXTURE) □ 3,4-DICHLOROBUTENE-1 (RACEMIC MIXTURE)

TOXICITY DATA with REFERENCE:

mic-sat 1 pph ARTODN 41,249,1979

orl-rat LD50:868 mg/kg GISAAA 46(1),92,1981

ihl-rat LC50:1590 ppm/4H AIHAM*,-,1968

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

DEV300 CAS: 42520-97-8 HR: 3
2,2'-DICHLORO-n-BUTYLDIETHYLAMINE
 mf: $\text{C}_8\text{H}_{17}\text{Cl}_2\text{N}$ mw: 198.16

SYNS: N-N-BIS(2-CHLOROETHYL)BUTYLAMINE □ n-BUTYL-2,2'-DICHLORODIETHYLAMINE □ TL 513

TOXICITY DATA with REFERENCE:

dns-rat-ipr 10 mg/kg CRNGDP 1,621,80

dns-rat-orl 10 mg/kg CRNGDP 1,621,80

unr-rat LD50:1 mg/kg PHBUA9 1,297,53
ihl-mus LCLo:350 mg/m³/10M NDRC** NDCrc-132,Dec,42

SAFETY PROFILE: Poison by inhalation and possibly other routes. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

DEV400 CAS: 821-10-3 HR: 3
1,4-DICHLORO-2-BUTYNE

mf: C₄H₄Cl₂ mw: 122.98

PROP: D: 1.26° @ 20°/4°, bp: 165–168°.

SYN: 1,4-DICHLOROBUTYNE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#02969

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of Cl⁻. Probably a dangerous fire and explosion hazard. See also ACETYLENE COMPOUNDS and CHLORINATED HYDROCARBONS, ALIPHATIC.

DEV600 CAS: 1918-18-9 HR: 2
3,4-DICHLOROCARBANILIC ACID METHYL ESTER

mf: C₈H₇Cl₂NO₂ mw: 220.06

SYNS: (3,4-DICHLOROPHENYL)CARBAMIC ACID METHYL ESTER □ MCC □ METHYL-3,4-DICHLOROCARBANILATE □ METHYL-N-(3,4-DICHLOROPHENYL) CARBAMATE □ NIA 2,995 □ NIA 2995J □ SWEP

TOXICITY DATA with REFERENCE:

orl-rat LD50:522 mg/kg GUHAZ 6,477,73

skn-rbt LD50:2480 mg/kg WRPCA2 9,119,70

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

DEV800 CAS: 101-05-3 HR: 3
2,4-DICHLORO-6-o-CHLORANILINO-s-TRIAZINE

mf: C₉H₅Cl₃N₄ mw: 275.53

PROP: White to tan crystals, insol in water. Mp: 160°.

SYNS: ANILAZIN □ ANILAZINE □ B-622 □ BORTRYSAN □ 2-(2-CHLORANILIN)-4,6-DICHLOR-1,3,5-TRIAZIN (GERMAN) □ (o-CHLOROANILINO)DICHLOROTRIAZINE □ 2,4-DICHLORO-6-(o-CHLOROANILINO)-s-TRIAZINE □ 2,4-DICHLORO-6-(2-CHLOROANILINO)-1,3,5-TRIAZINE □ 4,6-DICHLORO-N-(2-CHLOROPHENYL)-1,3,5-TRIAZIN-2-AMINE □ DIREZ □ DYRENE □ DYRENE 50W □ ENT 26,058 □ KEMATE □ NCI-C08684 □ TRIASYN □ TRIAZIN □ TRIAZINE (pesticide) □ ZINOCHLOR

TOXICITY DATA with REFERENCE:

skn-man 0.1% MOD LANCAO 2,1252,80

skn-rbt 500 mg SEV 34ZIAG -,235,69

otr-rat:emb 990 ng/plate JJATDK 1,190,81

orl-rat LD50:2700 mg/kg ARSIM* 20,9,66

ipr-rat LD50:16 mg/kg JAFCAU 21,140,73

orl-mus LD50:6020 mg/kg YKYUA6 30,623,79

ipr-mus LD50:30 mg/kg JAFCAU 21,140,73

orl-rbt LD50:400 mg/kg 34ZIAG -,235,69

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay Completed; Results Negative NCITR* NCI-CG-TR-104,78. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal routes. A human skin irritant. A severe skin irritant experimentally. Mutation data reported. A fungicide. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DEV900 CAS: 3424-82-6 HR: 2
1,1-DICHLORO-2-(o-CHLOROPHENYL)-2-(p-CHLOROPHENYL)ETHYLENE

mf: C₁₄H₈Cl₄ mw: 318.02

SYNS: BENZENE, 1-CHLORO-2-(2,2-DICHLORO-1-(4-CHLOROPHENYL)ETHENYL)- □ o',-DDE □ 2,4'-DDE □ ETHYLENE, 1-(o-CHLOROPHENYL)-1-(p-CHLOROPHENYL)-2,2-DICHLORO-

TOXICITY DATA with REFERENCE:

cyt-rat-oth 10 µg/ 34LXAP-,555,1976

orl-rat LD50:880 mg/kg NTIS** PB85-143766

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.

DEW000 CAS: 333-25-5 HR: 3
DICHLORO(2-CHLOROVINYL)ARSINE OXIDE
SYN: LEWISITE I OXIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 mg/kg JPBAA7 58,411,46

orl-rbt LD50:3 mg/kg JPBAA7 58,411,46

ivn-rbt LD50:1 mg/kg JPBAA7 58,411,46

orl-gpg LD50:2 mg/kg JPBAA7 58,411,46

scu-gpg LD50:200 µg/kg JPBAA7 58,411,46

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 ingestion, intravenous, and subcutaneous routes. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and As. See also CHLOROVINYLSARSINE DICHLORIDE.

DEW200 CAS: 26270-58-6 HR: 3
5-(3,4-DICHLOROCINNAMOYL)-4,7-DIMETHOXY-6-(2-DIMETHYLAMINOETHOXY)-BENZOFURAN MALEATE

mf: C₂₄H₂₃Cl₂NO₅•C₄H₄O₄ mw: 592.46

TOXICITY DATA with REFERENCE:

orl-mus LD50:320 mg/kg CHTPBA 8,479,73

ivn-mus LD50:24 mg/kg CHTPBA 8,479,73

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

DEW400 CAS: 20373-56-2 HR: 3
2,6-DICHLORO-N-CYCLOPROPYL-N-ETHYL ISONICOTINAMIDE

mf: C₁₁H₁₂Cl₂N₂O mw: 259.15

SYN: ABBOTT-28440

TOXICITY DATA with REFERENCE:

orl-rat LD50:78 mg/kg 27ZQAG -,196,72
 ipr-rat LD50:54 mg/kg 27ZQAG -,196,72
 orl-mus LD50:123 mg/kg 27ZQAG -,196,72
 ipr-mus LD50:129 mg/kg 27ZQAG -,196,72

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

DEX000 CAS: 14913-33-8 HR: 3

trans-DICHLORODIAMMINEPLATINUM(II)

mf: $\text{C}_{12}\text{H}_6\text{N}_2\text{Pt}$ mw: 300.07

PROP: Pale yellow crystals. Mp: 270° (decomp). Less sol in H_2O than *cis*-form; sol in DMF and DMSO. IDLH 4 mg/m^3 (as Pt).

SYNS: trans-DIAMMINEDICHLOROPLATINUM(II) □ trans-PLATINUM(II)DIAMMINEDICHLORIDE

TOXICITY DATA with REFERENCE:

mma-sat 2 $\mu\text{g}/\text{plate}$ MUREAV 77,45,80
 dnd-hmn:fbr 50 $\mu\text{mol}/\text{L}/4\text{H}$ CNREA8 42,145,82
 dnd-hmn:lng 100 $\mu\text{mol}/\text{L}$ CBINA8 36,345,81
 dnd-hmn:oth 20 mg/L CNREA8 45,6232,85
 msc-ham:lng 100 mg/L CNREA8 44,3270,84
 ipr-mus LD50:27 mg/kg CBINA8 5,415,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .

DEX090 CAS: 50585-39-2 HR: 2

1,3-DICHLORODIBENZO-p-DIOXIN

mf: $\text{C}_{12}\text{H}_6\text{Cl}_2\text{O}_2$ mw: 253.08

SYNS: DIBENZO(b,e)(1,4)DIOXIN, 1,3-DICHLORO- □ DIBENZO-p-DIOXIN, 1,3-DICHLORO-

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^- .

DEX100 CAS: 38178-38-0 HR: 2

1,6-DICHLORODIBENZO-p-DIOXIN

mf: $\text{C}_{12}\text{H}_6\text{Cl}_2\text{O}_2$ mw: 253.08

SYNS: DIBENZO(b,e)(1,4)DIOXIN, 1,6-DICHLORO- □ DIBENZO-p-DIOXIN, 1,6-DICHLORO-

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^- .

DEX120 CAS: 29446-15-9 HR: 2

2,3-DICHLORODIBENZO-p-DIOXIN

mf: $\text{C}_{12}\text{H}_6\text{Cl}_2\text{O}_2$ mw: 253.08

SYNS: DIBENZO(b,e)(1,4)DIOXIN, 2,3-DICHLORO- □ DIBENZO-p-DIOXIN, 2,3-DICHLORO- □ 2,3-DICHLORO-DIBENZODIOXIN

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^- .

DEX130 CAS: 38964-22-6 HR: 2

2,8-DICHLORODIBENZO-p-DIOXIN

mf: $\text{C}_{12}\text{H}_6\text{Cl}_2\text{O}_2$ mw: 253.08

SYNS: DIBENZO(b,e)(1,4)DIOXIN, 2,8-DICHLORO- □ DIBENZO-p-DIOXIN, 2,8-DICHLORO- □ 2,8-DICHLORO-DIBENZODIOXIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:847 g/kg CSMHAF 14,649,85
 orl-gpg LD50:>300 mg/kg TXAPA9 44,335,78

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: Low toxicity by ingestion. Questionable carcinogen. When heated to decomposition it emits toxic vapors of Cl^- .

DEX200 CAS: 43047-99-0 HR: 3

DICHLORODIBENZOFURAN

mf: $\text{C}_{12}\text{H}_6\text{Cl}_2\text{O}$ mw: 237.08

SYN: DIBENZOFURAN, DICHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:250 mg/kg NCNSA6 5,17,1953

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

DEX270 CAS: 130892-66-9 HR: D

1,3-DICHLORO-2-(3,4-DICHLOROPHOXY)-BENZENE

mf: $\text{C}_{12}\text{H}_6\text{Cl}_4\text{O}$ mw: 307.98

SYNS: BENZENE, 1,3-DICHLORO-2-(3,4-DICHLOROPHOXY)- □ PCDE 37 □ 2',3,4,6'-TETRACHLORODIPHENYL ETHER

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

DEX400 CAS: 84-58-2 HR: 3

2,3-DICHLORO-5,6-DICYANOBENZOQUINONE

mf: $\text{C}_8\text{Cl}_2\text{N}_2\text{O}_2$ mw: 227.00

PROP: Amber needles from CHCl_3 . Mp: 215–217°.

SYN: 4,5-DICHLORO-3,6-DIOXO-1,4-CYCLOHEXADIENE-1,2-DICARBONITRILE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:31 mg/kg CHTHBK 16,371,71
 ivn-mus LD50:13 mg/kg CSLNX* NX#07894

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

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

DEX600 CAS: 17751-20-1 HR: 3

2',6'-DICHLORO-2-(DIETHYLAMINO)ACETANILIDE HYDROCHLORIDEmf: $C_{12}H_{16}Cl_2N_2O \cdot ClH$ mw: 311.66

SYN: C 3053

TOXICITY DATA with REFERENCE:

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

ipr-rat LD50:420 mg/kg ARZNAD 8,270,58

ipr-mus LD50:365 mg/kg ARZNAD 8,270,58

scu-mus LD50:775 mg/kg ARZNAD 8,270,58

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

**DEX800 CAS: 41572-59-2 HR: 3
7,8-DICHLORO-10-(2-(DIETHYLAMINO)ETHYL)-ISOALLOXAZINE HYDROCHLORIDE**mf: $C_{16}H_{17}Cl_2N_3O_2 \cdot ClH$ mw: 418.74**TOXICITY DATA with REFERENCE:**

scu-mus LD50:15 mg/kg CMTRAG 2,96,61

ivn-mus LD50:22 mg/kg CMTRAG 2,96,61

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

**DEY000 CAS: 77791-63-0 HR: 3
2',6'-DICHLORO-2-(2-(DIETHYLAMINO)ETHYL)-METHYLAMINOACETANILIDE DIHYDROCHLORIDE**mf: $C_{15}H_{23}Cl_2N_3O \cdot 2ClH$ mw: 405.23

SYN: C 5365

TOXICITY DATA with REFERENCE:

ipr-rat LD50:140 mg/kg ARZNAD 9,262,59

scu-mus LD50:585 mg/kg ARZNAD 9,262,59

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

**DEY200 CAS: 101651-69-8 HR: 3
2',6'-DICHLORO-2-(2-(DIETHYLAMINO)ETHYL)-THIOACETANILIDE HYDROCHLORIDE**mf: $C_{14}H_{20}Cl_2N_2OS \cdot ClH$ mw: 371.78

SYN: C 4910

TOXICITY DATA with REFERENCE:

ipr-rat LD50:172 mg/kg ARZNAD 9,683,59

scu-mus LD50:340 mg/kg ARZNAD 9,683,59

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

**DEY400 CAS: 93405-68-6 HR: 3
7,8-DICHLORO-10-(3-(DIETHYLAMINO)-2-HYDROXYPROPYL)ISOALLOXAZINE SULFATE**mf: $C_{17}H_{19}Cl_2N_5O_3 \cdot H_2O_4S$ mw: 510.39**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:18 mg/kg CMTRAG 2,96,61

scu-mus LD50:74 mg/kg CMTRAG 2,96,61

ivn-mus LD50:75 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal, intravenous, and subcutaneous routes. When heated to

decomposition it emits very toxic fumes of SO_x , Cl^- , and NO_x .

**DEY600 CAS: 101652-01-1 HR: 3
7,8-DICHLORO-10-(4-(DIETHYLAMINO)-1-METHYLBUTYL)ISOALLOXAZINE HYDROCHLORIDE**mf: $C_{19}H_{23}Cl_2N_5O_2 \cdot ClH$ mw: 460.83**TOXICITY DATA with REFERENCE:**

scu-mus LD50:18 mg/kg CMTRAG 2,96,61

ivn-mus LD50:48 mg/kg CMTRAG 2,96,61

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

**DEY650 CAS: 151436-58-7 HR: D
DICHLORO(N,N'-DIETHYL-2,4-PENTANEDIAMINE-N,N')PLATINUM (SP-4-2-(2R-(2R*(S*),4R*(S))))-**mf: $C_9H_{22}Cl_2N_2Pt$ mw: 424.32**PROP:** IDLH 4 mg/m³ (as Pt).

SYN: PLATINUM, DICHLORO(N,N'-DIETHYL-2,4-PENTANEDIAMINE-N,N')-, (SP-4-2-(2R-(2R*(S*),4R*(S))))-

TOXICITY DATA with REFERENCE:

mic-sat 5 µLg/plate JMCAR 36,3663,1993

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

**DEY680 CAS: 151526-57-7 HR: D
DICHLORO(N,N'-DIETHYL-2,4-PENTANEDIAMINE-N,N')PLATINUM (SP-4-2-(2S(2R*(S*),4R*(S*))))-**mf: $C_9H_{22}Cl_2N_2Pt$ mw: 424.32**PROP:** IDLH 4 mg/m³ (as Pt).

SYN: PLATINUM, DICHLORO(N,N'-DIETHYL-2,4-PENTANEDIAMINE-N,N')-, (SP-4-2-(2S-(2R*(S*),4R*(S*))))-

TOXICITY DATA with REFERENCE:

mic-sat 30 µLg/plate JMCAR 36,3663,1993

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

**DEY800 CAS: 1719-53-5 HR: 3
DICHLORODIETHYLSILANE
DOT: UN 1767**mf: $C_4H_{10}Cl_2Si$ mw: 157.13

PROP: Liquid. Mp: -96° , bp: 131.0° , d: 1.05, vap d: 5.41, flash p: $75.2^\circ F$.

SYN: DIETHYLDICHLOROSILANE (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1000 mg/kg JIHTAB 30,332,48

ipr-rat LDLo:100 mg/kg JIHTAB 30,332,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive, Flammable Liquid

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Corrosive to tissue. Dangerous fire hazard when exposed to heat, flame, or oxidizers. Can react vigorously with oxidizing materials.

To fight fire, use foam, CO₂, dry chemical. When heated to decomposition or in reaction with water or steam it emits toxic and corrosive fumes of Cl⁻. See also CHLOROSILANES.

DEZ000 CAS: 866-55-7 HR: 3
DICHLORODIETHYLSTANNANE

mf: C₄H₁₀Cl₂Sn mw: 247.73

PROP: Water-white crystals. Mp: 85°, bp: 277°.

SYNS: DIAETHYLZINNDICHLORID (GERMAN) □
 DICHLORODIETHYLtin □ DIETHYLDICHLOROSTANNANE
 □ DIETHYLSTANNYL DICHLORIDE □ DIETHYLtin
 CHLORIDE □ DIETHYLtin DICHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:160 mg/kg BJIMAG 15,15,58

ivn-rat LD50:20,600 µg/kg AEPPAE 242,370,61

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. See also TIN COMPOUNDS and
 CHLORIDES. When heated to decomposition it emits
 toxic fumes of Cl⁻.

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

DEZ100 CAS: 128999-90-6 HR: D
**(13,14-DICHLORO-6,6-DIETHYL-3,4,8,9-TETRA-
 HYDRO-3,3,9,9-TETRAMETHYL-1H-1,4, 8,11-
 BENZOTETRAZACYCLOTRIDECINE-2,5,7,-
 10(6H,11H)-TETRONATO(4-)-N¹),N⁴),N⁸),N¹¹)-
 OXOCHROMATE(1-), LITHIUM, (SP-5-13)-**

mf: C₂₁H₂₄Cl₂CrN₄O₅•Li mw: 542.33

TOXICITY DATA with REFERENCE:

mic-sat 1 µmol/plate CRNGDP 14,1875,1993

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

DFA000 CAS: 1649-08-7 HR: 1
1,2-DICHLORO-1,1-DIFLUOROETHANE

mf: C₂H₂Cl₂F₂ mw: 134.94

PROP: A liquid. Fp: -101°, bp: 45-47°, d: 1.416 @
 20°/4°.

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:20,000 ppm/4H TXAPA9 19,1,71

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: Experimental reproductive
 effects. Mildly toxic by inhalation. When heated to
 decomposition it emits very toxic fumes of Cl⁻ and F⁻.

DFA200 CAS: 27156-03-2 HR: 2
DICHLORODIFLUOROETHYLENE

mf: C₂Cl₂F₂ mw: 132.92

PROP: Liquid. Vap d: 4.6.

SAFETY PROFILE: Moderately toxic by inhalation. A
 skin, eye, and mucous membrane irritant. Will react with

water or steam to produce toxic and corrosive fumes.
 When heated to decomposition it emits toxic fumes of F⁻
 and Cl⁻.

DFA300 CAS: 79-35-6 HR: 2
1,1-DICHLORO-2,2-DIFLUOROETHYLENE

mf: C₂Cl₂F₂ mw: 132.92

PROP: Volatile liquid. Fp: -127.1 to -126.7°, bp: 20.4°
 @ 764.3 mm.

SYNS: 1,1-DIFLUORO-2,2-DICHLOROETHYLENE □
 GENETRON 1112A □ GENETRONE 1112A

TOXICITY DATA with REFERENCE:

ihl-rat LC50:505 mg/m³/4H GTPZAB 21(5),36,77

ihl-mus LC50:610 mg/m³/4H GTPZAB 21(5),36,77

ihl-gpg LC50:700 mg/m³/4H GTPZAB 21(5),36,77

SAFETY PROFILE: Moderately toxic by inhalation.
 When heated to decomposition it emits toxic fumes of F⁻
 and Cl⁻.

DFA400 CAS: 76-38-0 HR: 2
**2,2-DICHLORO-1,1-DIFLUOROETHYL METHYL
 ETHER**

mf: C₃H₄Cl₂F₂O mw: 164.97

PROP: Liquid. D: 1.426 @ 20°/4°, mp: -35°, bp: 105°.

SYNS: ANALGIZER □ ANECOTAN □ 2,2-DICHLORO-1,1-
 DIFLUORO-1-METHOXYETHANE □ INGALAN □ INGALAN
 (RUSSIAN) □ INHALAN □ METHOFLURANE □ METHOXANE
 □ METHOXYFLUORAN □ METHOXYFLUORANE □
 METHOXYFLURANE □ METOFANE □ METOXFLURAN □
 METOXIFLURAN □ MOF □ NSC-110432 □ PENTHRANE □
 PENTRAN □ PENTRANE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD FEPPA7 35,729,76

cyt-hmn:lym 200 ppm/24H ENVRAL 12,366,76

oms-ham:fbr 1 pph ANESAV 43,21,75

ihl-rat TCLo:100 ppm/8H (1-21D preg):TER ANESAV
 48,11,78

ihl-hmn TCLo:3500 ppm/1H:KID CANJAE 21,294,74

orl-rat LD50:3600 mg/kg 85GMAT -53,82

ihl-rat LC50:33,500 mg/m³/4H 85GMAT -53,82

ihl-mus LC50:21,500 mg/m³ GTPZAB 22(7),55,78

CONSENSUS REPORTS: IARC Cancer Review:
 Animal Inadequate Evidence IMEMDT 7,93,87. EPA
 Genetic Toxicology Program.

NIOSH REL: (Waste Anesthetic Gases and Vapors) CL
 2 ppm/1H

SAFETY PROFILE: Moderately toxic by ingestion.
 Mildly toxic by inhalation. Human systemic effects by
 inhalation: depressed renal function. An experimental
 teratogen. Human mutation data reported. An eye irritant.
 See also ETHERS. When heated to decomposition it
 emits very toxic fumes of Cl⁻ and F⁻.

DFA600 CAS: 75-71-8 HR: 1
DICHLORODIFLUOROMETHANE

DOT: UN 1028

mf: CCl₂F₂ mw: 120.91

PROP: Colorless, almost odorless gas. Mp: -158°, bp:
 -29°, vap press: 5 atm @ 16.1°. IDLH 15,000 ppm.

SYNS: ALGOFRENE TYPE 2 □ ARCTON 6 □ DIFLUORO-
 DICHLOROMETHANE □ DWUCHLORODWU-FLUOROMETAN

(POLISH) □ ELECTRO-CF 12 □ ESKIMON 12 □ F 12 □ FC 12 □ FLUOROCARBON-12 □ FREON 12 □ FREON F-12 □ FRIGEN 12 □ GENETRON 12 □ HALON □ ISCEON 122 □ ISOTRON 12 □ KAISER CHEMICALS 12 □ LEDON 12 □ PROPELLANT 12 □ RCRA WASTE NUMBER U075 □ R12 (DOT) □ REFRIGERANT 12 □ UCON 12 □ UCON 12/HALOCARBON 12

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:200,000 ppm/30M:EYE,PUL,LIV
EJTXAZ 9,385,76

ihl-rat LC50:80 pph/30M EJTXAZ 9,385,76

ihl-mus LC50:76 pph/30M EJTXAZ 9,385,76

ihl-rbt LC50:80 pph/30M EJTXAZ 9,385,76

ihl-gpg LC50:80 pph/30M EJTXAZ 9,385,76

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

OSHA PEL: TWA 1000 ppm

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

DFG MAK: 1000 ppm (5000 mg/m³)

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas

SAFETY PROFILE: Human systemic effects by inhalation: conjunctiva irritation, fibrosing alveolitis, and liver changes. Narcotic in high concentrations.

Nonflammable gas. Can react violently with Al. When heated to decomposition it emits highly toxic fumes of phosgene, Cl⁻, and F⁻.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dichlorodifluoromethane and 1,2-Dichlorotetrafluoroethane, 1018.

DFB400 CAS: 56275-41-3 HR: 1
DICHLORODIFLUOROMETHANE with 1,1-DIFLUOROETHANE

DOT: UN 1954

mf: C₂H₄F₂•CCl₂F₂ mw: 186.97

SYNS: DICHLORODIFLUOROMETHANE and DIFLUOROETHANE AZEOTROPIC MIXTURE (DOT) □ FREON 500 □ R500 (DOT) □ UCON 500/HALOCARBON 500

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas

SAFETY PROFILE: A simple asphyxiant. See also components as listed. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.

DFB800 HR: 1
DICHLORODIFLUOROMETHANE mixed with TRICHLOROFLUOROMETHANE (1:1)

mf: CCl₃F•CCl₂F₂ mw: 258.27

SYN: DICHLOROFLUOROMETHANE-TRICHLOROFLUOROMETHANE (DOT)

TOXICITY DATA with REFERENCE:

ihl-rat LC50:30 pph/30M JETOAS 9,385,76

ihl-mus LC50:22 pph/30M JETOAS 9,385,76

ihl-gpg LC50:50 pph/30M JETOAS 9,385,76

SAFETY PROFILE: Mildly toxic by inhalation. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.

DFC000 HR: 3
DICHLORODIFLUOROMETHANE with

TRICHLOROTRIFLUOROETHANE

mf: CCl₃F•CCl₂F₂ mw: 258.27

SYN:

DICHLORODIFLUOROMETHANE-TRICHLOROTRIFLUOROETHANE MIXTURE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:30 pph/30M EJTXAZ 9,385,76

ihl-mus LC50:22 pph/30M EJTXAZ 9,385,76

ihl-gpg LC50:50 pph/30M EJTXAZ 9,385,76

SAFETY PROFILE: Very mildly toxic by inhalation. See components as listed. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.

DFC200 CAS: 2767-41-1 HR: 3
DICHLORODIHEXYLSTANNANE

mf: C₁₂H₂₆Cl₂Sn mw: 359.97

SYN: DIHEXYLTIN DICHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:160 mg/kg BJIMAG 15,15,58

ivn-rat LDLo:10 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. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.

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

DFC300 CAS: 23611-67-8 HR: 3
6,8-DICHLORO-DIHYDRO-1,3-BENZOXAZINE-2-THIONE-4-ONE

mf: C₈H₃Cl₂NO₂S mw: 248.08

SYNS: 2H-1,3-BENZOXAZINE-2,4(3H)-DIONE, 6,8-DICHLORO-2-THIO- □ 6,8-DICHLORO-2-THIO-2H-1,3-BENZOXAZINE-2,4(3H)-DIONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:200 mg/kg USXXAM #3595959

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

DFC600 CAS: 6837-97-4 HR: D
4,8-DICHLORO-1,5-DIHYDROXYANTHRAQUINONE

mf: C₁₄H₆Cl₂O₄ mw: 309.10

SYN: DICHLOROANTHRARUFIN

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate BCSTB5 5,1489,77

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

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

DFC800 CAS: 33770-60-4 HR: 3
(2,5-DICHLORO-3,6-DIHYDROXY-*p*-BENZOQUINOLATO)MERCURY

mf: C₆Cl₂HgO₄ mw: 407.55

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: 2,5-DICHLORO-3,6-DIHYDROXY-p-BENZOQUINONE, MERCURY SALT □ (2,5-DICHLORO-3,6-DIHYDROXY-p-BENZOQUINONE), MERCURY SALT

TOXICITY DATA with REFERENCE:

ivn-mus LD50:10 mg/kg CSLNX* NX#04223

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

OSHA PEL: CL 0.1 mg(Hg)/m³ (skin)

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

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

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

DFD000 CAS: 10331-57-4 HR: 3
5,5'-DICHLORO-2,2'-DIHYDROXY-3,3'-DINITRO-BIPHENYL

mf: C₁₂H₆Cl₂N₂O₆ mw: 345.10

SYNS: BAY 9015 □ BAYER 9015 □ BILEVON M □ 3,3'-DICHLORO-5,5'-DINITRO-O,O'-BIPHENOL (FRENCH) □ 4,4'-DICHLORO-6,6'-DINITRO-O,O'-BIPHENOL □ 5,5'-DICHLORO-3,3'-DINITRO(1,1'-BIPHENYL)-2,2'-DIOL □ ME 3625 □ MENICHLOPHOLAN □ NICLOFOLAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 mg/kg TXAPA9 21,315,72

orl-ham LD50:50 mg/kg JETOAS 4,525,71

orl-dom LDLo:15 mg/kg FAZMAE 17,108,73

orl-bwd LD50:13 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: A poison by ingestion. An experimental teratogen. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and CHLORIDES.

DFD200 CAS: 29202-04-8 HR: 3
3,4-DICHLORO-2,5-DILITHIOTHIOPHENE

mf: C₄Cl₂Li₂S mw: 164.89

SAFETY PROFILE: The dry material is a slightly shock-sensitive explosive. When heated to decomposition it emits toxic fumes of Cl⁻ and SO_x. See also LITHIUM COMPOUNDS.

DFD400 CAS: 17010-61-6 HR: 2
3',4'-DICHLORO-4-DIMETHYLAMINO-AZOBENZENE

mf: C₁₄H₁₃Cl₂N₃ mw: 294.20

SYNS: BENZENAMINE, 4-((3,4-DICHLOROPHENYL)AZO)-N,N-DIMETHYL-(9CI) □ 3',4'-Cl₂-DAB □ p-((3,4-DICHLOROPHENYL)AZO)-N,N-DIMETHYLANILINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:15,120 mg/kg/36W-C:CAR CBINA8 53,107,85

orl-rat TD:11 g/kg/17W-I:ETA CNREA8 30,1520,70

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. When

heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

DFD600 CAS: 101652-02-2 HR: 3
7,8-DICHLORO-10-(2-(DIMETHYLAMINO)-ETHYL)ISOALLOXAZINE SULFATE

mf: C₁₄H₁₃Cl₂N₅O₂•H₂O₄S mw: 452.30

TOXICITY DATA with REFERENCE:

scu-mus LD50:30 mg/kg CMTRAG 2,96,61

ivn-mus LD50:18 mg/kg CMTRAG 2,96,61

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

DFE000 CAS: 97864-38-5 HR: 3
7,8-DICHLORO-10-(3-(DIMETHYLAMINO)-PROPYL)ISOALLOXAZINE HYDROCHLORIDE

mf: C₁₅H₁₃Cl₂N₅O₂•ClH mw: 404.71

TOXICITY DATA with REFERENCE:

ipr-rat LD50:22 mg/kg CMTRAG 2,96,61

scu-mus LD50:23 mg/kg CMTRAG 2,96,61

ivn-mus LD50:34 mg/kg CMTRAG 2,96,61

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

DFE100 CAS: 594-84-3 HR: 3
2,2-DICHLORO-3,3-DIMETHYLBUTANE

mf: C₆H₁₂Cl₂ mw: 155.07

CH₃CCl₂C(CH₃)₃

SAFETY PROFILE: Violent reaction with sodium hydroxide. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DFE200 CAS: 118-52-5 HR: 2
1,3-DICHLORO-5,5-DIMETHYL HYDANTOIN

mf: C₅H₆Cl₂N₂O₂ mw: 197.03



PROP: Crystals, liberates chlorine on contact with hot water; prisms from CHCl₃. Mp: 132°. Subl @ 100°; conflagrates @ 212°; d: 1.5 @ 20°, vap d: 6.8. Sol in H₂O; mod in sol AcOH and EtOH. IDLH 5 mg/m³.

SYNS: DACTIN □ DAKTIN □ DANTOIN □ DCA □ DICHLORANTIN □ DICHLORODIMETHYLHYDANTOIN □ 1,3-DICHLORO-5,5-DIMETHYL-2,4-IMIDAZOLIDINEDIONE □ 1,3-DICHLORO-5,5'-METHYLHYDANTOIN □ HALANE □ HYDAN □ HYDAN (antiseptic) □ NCI-C03054 □ OMCHLOR

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV EPASR* 8EHQ-0281-0382

skn-rbt 100 mg/24H SEV EPASR* 8EHQ-0281-0382

sln-dmg-par 250 ppm ENMUDM 7,677,85

otr-rat:emb 6300 ng/plate JJATDK 1,190,81

orl-rat LD50:542 mg/kg DTLVS* 4,129,80

ihl-rat LCLo:20 g/m³/1H EPASR* 8EHQ-0281-0382

orl-rbt LD50:1520 mg/kg GISAAA 47(6),76,82

orl-gpg LD50:1350 mg/kg GISAAA 47(6),76,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.2 mg/m³; STEL 0.4 mg/m³

ACGIH TLV: TWA 0.2 mg/m³; STEL 0.4 mg/m³

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. A severe skin irritant. Mutation data reported. Avoid excessive contact because of effects of active chlorine on skin. Some of the hydantoins are central nervous system depressants. Mixtures with xylene may explode. Will react with water or steam to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHLORIDES.

DFE229 CAS: 40580-75-4 HR: 3
DICHLORO(4,5-DIMETHYL-O-PHENYLENE-DIAMMINE)PLATINUM(II)

mf: C₈H₁₂Cl₂N₂Pt mw: 402.21

PROP: IDLH 4 mg/m³ (as Pt).

SYN: cis-DICHLORO(4,5-DIMETHYL-O-PHENYLENE-DIAMMINE)PLATINUM(II)

TOXICITY DATA with REFERENCE:

mmo-sat 10,200 nmol/L JMCMAR 23,459,80

ipr-mus LD50:283 mg/kg CBINA8 11,145,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. See also TIN COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.

DFE235 CAS: 2347-47-9 HR: 2
2,3-DICHLORO-N,N-DIMETHYL-6-QUINOXALINESULFONAMIDE

mf: C₁₀H₈Cl₂N₃O₂S mw: 306.18

SYNS: 2,3-DICHLOROQUINOXALINE-6-SULFON-DIMETHYLAMIDE □ 6-QUINOXALINESULFONAMIDE, 2,3-DICHLORO-N,N-DIMETHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #335352

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

DFE259 CAS: 75-78-5 HR: 3
DICHLORODIMETHYLSILANE

DOT: UN 1162

mf: C₂H₆Cl₂Si mw: 129.06

PROP: Liquid. D: 1.06 @ 20°/4°, mp: -16°.

SYNS: DIMETHYLDICHLOROSILANE (DOT) □ DIMETHYLDICHLORSILAN

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,1219,86

eye-rbt 5 mg/24H SEV 85JCAE -,1219,86

orl-rat LD50:5660 µL/kg JACTDZ 12,573,93

ihl-rat LC50:930 ppm/4H 85JCAE -,1219,86

ipr-rat LDLo:10 mg/kg JIDHAN 30,332,48

ihl-mus LC50:300 mg/m³/2H TPKVAL 3,23,61

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Corrosive

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by inhalation. A skin and severe eye irritant. Violent reaction on contact with water. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.

DFE300 CAS: 59183-17-4 HR: 3
3,6-DICHLORO-3,6-DIMETHYLTETRAOXANE
 mf: C₄H₆Cl₂O₄ mw: 189.00



SAFETY PROFILE: An extremely shock- and heat-sensitive explosive. When heated to decomposition it emits toxic fumes of Cl⁻. See also PEROXIDES.

DFE469 CAS: 58270-08-9 HR: 3
(trans-4)-DICHLORO(4,4-DIMETHYLZINC-5(((METHYLAMINO)CARBONYL)OXY)-IMINO)PENTANENITRILE)

mf: C₉H₁₅Cl₂N₃O₂Zn mw: 333.54

PROP: Powder. Mp: 120–125°. Sol in H₂O.

SYNS: AC 85258 □ ETHIENOCARB

TOXICITY DATA with REFERENCE:

orl-rat LD50:9 mg/kg KSKZAN 16(2),65,78

skn-rat LD50:857 mg/kg KSKZAN 16(2),65,78

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

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. When heated to decomposition it emits toxic fumes of Cl⁻, NO_x, CN⁻, and ZnO. See also ZINC COMPOUNDS and NITRILES.

DFE550 CAS: 1587-41-3 HR: 3
DICHLORODINITROMETHANE
 mf: CCl₂N₂O₄ mw: 174.93

PROP: Liquid. Bp: 121–122.5°.

SAFETY PROFILE: Explodes when heated. Upon decomposition it emits toxic fumes of Cl⁻ and NO_x. See also NITROMETHANE.

DFE560 CAS: 24291-70-1 HR: 1
2,5-DICHLORO-4,6-DINITROPHENYL CROTONATE

mf: C₁₀H₆Cl₂N₂O₆ mw: 321.08

SYNS: 2-BUTENOIC ACID, 3,6-DICHLORO-2,4-DINITROPHENYL ESTER □ CROTONIC ACID, 3,6-DICHLORO-2,4-DINITROPHENYL ESTER □ CROTONATE DE 2,5-DICHLORO-4,6-DINITROPHENYLE □ 3,6-DICHLORO-2,4-DINITROPHENYL CROTONATE □ PHENOL, 3,6-DICHLORO-2,4-DINITRO-, CROTONATE (ESTER)

TOXICITY DATA with REFERENCE:

orl-mus LD50:6850 mg/kg FRXXBL #1536283

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

DFE570 CAS: 24291-69-8 HR: 2
3,6-DICHLORO-2,4-DINITROPHENYL METHACRYLATEmf: $C_{10}H_6Cl_2N_2O_6$ mw: 321.08**SYNS:** METHACRYLIC ACID, 3,6-DICHLORO-2,4-DINITROPHENYL ESTER □ METHACRYLATE DE 2,5-DICHLORO-4,6-DINITROPHENYLE □ 2-PROPENOIC ACID, 2-METHYL-, 3,6-DICHLORO-2,4-DINITROPHENYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3660 mg/kg FRXXBL #1536283

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**DFE600 CAS: 3883-43-0 HR: 2**
trans-2,3-DICHLORO-1,4-DIOXANEmf: $C_4H_6Cl_2O_2$ mw: 157.00**PROP:** Crystals. Mp: 28–30°, bp: 97–98° @ 20 mm.**SYN:** trans-2,3-DICHLORO-p-DIOXANE**TOXICITY DATA with REFERENCE:**

scu-mus TDLo:1260 mg/kg/63W-I:NEO JNCIAM 53,695,74

orl-rat LD50:1410 mg/kg AIHAAP 30,470,69

skn-rbt LD50:440 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. Questionable carcinogen with experimental neoplastigenic and tumorigenic data. When heated to decomposition it emits toxic fumes of Cl^- .**DFE700 CAS: 3646-61-5 HR: D**
2,3-DICHLORO-6,12-DIPHENYL-DIBENZO(b,f)-(1,5)DIAZOCINEmf: $C_{26}H_{16}Cl_2N_2$ mw: 427.34**SYNS:** 2,8-DICHLORO-6,12-DIPHENYL-DIBENZO(b,f)(1,5)-DIAZOCINE □ U-10293**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:17,500 µg/kg (female 7D pre):REP PSEBAA 120,725,65

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .**DFE800 CAS: 28675-08-3 HR: 2**
DICHLORODIPHENYL OXIDEmf: $C_{12}H_8Cl_2O$ mw: 239.10**PROP:** Liquid. Vap d: 8.2.**SYNS:** DICHLOROPHENYL ETHER □ PHENYL ETHER, DICHLORO**TOXICITY DATA with REFERENCE:**

orl-gpg LDLo:1000 mg/kg 14CYAT 2,1707,63

OSHA PEL: TWA 0.5 mg/m³**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl^- . See also ETHERS and CHLORIDES.**DFF000 CAS: 80-10-4 HR: 3**
DICHLORO DIPHENYLSILANE**DOT:** UN 1769mf: $C_{12}H_{10}Cl_2Si$ mw: 253.21**PROP:** Colorless liquid. Mp: –22°, bp: 303°, d: 1.19 @ 20°, vap d: 8.45.**SYNS:** DICHLOR-DIFENYLSILAN □ DIPHENYL DICHLOROSILANE (DOT)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD 28ZPAK -,221,72

eye-rbt 5 mg/24H SEV 28ZPAK -,221,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** A poison irritant to skin, eyes, and mucous membranes. See also CHLOROSILANES. Can react vigorously with oxidizing materials. When heated to decomposition or on contact with acid or acid fumes it emits toxic fumes of Cl^- .**DFF200 CAS: 77791-64-1 HR: 2**
2',6'-DICHLORO-2-(DIPROPYLAMINO)-ACETANILIDE HYDROCHLORIDEmf: $C_{14}H_{20}Cl_2N_2O \cdot ClH$ mw: 339.72**SYN:** C 3057**TOXICITY DATA with REFERENCE:**

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

ipr-rat LD50:450 mg/kg ARZNAD 8,407,58

ipr-mus LD50:550 mg/kg ARZNAD 8,407,58

scu-mus LD50:2250 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**DFF400 CAS: 867-36-7 HR: 3**
DICHLORODIPROPYLSTANNANEmf: $C_6H_{14}Cl_2Sn$ mw: 275.79**PROP:** Colorless crystals. Mp: 82.5–83°, bp: 118–121° @ 10 mm.**SYNS:** DICHLORODIPROPYL TIN □ DIPROPYL TIN CHLORIDE □ DIPROPYL TIN DICHLORIDE □ DI-n-PROPYLTIN DICHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:160 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. See also TIN COMPOUNDS and CHLORIDES. When heated to decomposition it emits toxic fumes of Cl^- .**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DFF500 CAS: 15227-42-6 HR: 3**
cis-DICHLORO(DIPYRIDINE)PLATINUM(II)mf: $C_{10}H_{10}Cl_2N_2Pt$ mw: 424.21**PROP:** Sulfur yellow solid. Mp: 224° (decomp). Sol in $CHCl_3$, Me_2CO and DMF. IDLH 4 mg/m³ (as Pt).**SYN:** DICHLORODIPYRIDINEPLATINUM(II) (Z)**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate MUREAV 95,79,82

ipr-mus LDLo:131 mg/kg JPMSAE 65,315,76

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it

emits toxic fumes of Cl^- and NO_x . See also PLATINUM COMPOUNDS.

DFF600 CAS: 3583-47-9 HR: 2

1,4-DICHLORO-2,3-EPOXYBUTANE

mf: $\text{C}_4\text{H}_6\text{Cl}_2\text{O}$ mw: 141.00

TOXICITY DATA with REFERENCE:

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

skn-rbt 500 mg/24H MLD 85JCAE -,771,86

eye-rbt 500 mg/24H MLD 85JCAE -,771,86

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

mma-sat 1 mmol/L ARTODN 41,249,79

orl-rat LDLo:710 mg/kg AIHAAP 23,95,62

skn-rbt LDLo:2830 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- .

DFF800 CAS: 1300-21-6 HR: 2

DICHLOROETHANE

mf: $\text{C}_2\text{H}_4\text{Cl}_2$ mw: 98.96

PROP: Lel: 5.6%, uel: 11.4%.

TOXICITY DATA with REFERENCE:

orl-rat LD50:1120 mg/kg HYSAAV 32,349,67

orl-mus LD50:625 mg/kg HYSAAV 32,349,67

ihl-mus LCLo:10 g/ m^3 GISAAA 20(8),19,55

skn-rbt LD50:3890 mg/kg UCDS** 3/23/70

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. Mildly toxic by inhalation. An experimental teratogen. Other experimental reproductive effects by inhalation. When heated to decomposition it emits very toxic fumes of Cl^- . See also ETHYLENE DICHLORIDE; and CHLORINATED HYDROCARBONS, ALIPHATIC.

DFF809 CAS: 75-34-3 HR: 3

1,1-DICHLOROETHANE

DOT: UN 2362

mf: $\text{C}_2\text{H}_4\text{Cl}_2$ mw: 98.96

PROP: Colorless liquid; aromatic, ethereal odor; hot, saccharine taste. Mp: -97.7° , lcl: 5.6%, fp: -98° , bp: 57.3° , flash p: 22°F (TOC), d: 1.174 @ $20^\circ/4^\circ$, vap press: 230 mm @ 25° , vap d: 3.44, autoign temp: 856°F . IDLH 3000 ppm.

SYNS: AETHYLIDENCHLORID (GERMAN) □ CHLORINATED HYDROCHLORIC ETHER □ CHLORURE d'ETHYLIDENE (FRENCH) □ CLORURO di ETILIDENE (ITALIAN) □ 1,1-DICHLOROETHAAN (DUTCH) □ 1,1-DICHLORAETHAN (GERMAN) □ 1,1-DICHLOROETANO (ITALIAN) □ ETHYLIDENE CHLORIDE □ ETHYLIDENE DICHLORIDE □ NCI-C04535 □ RCRA WASTE NUMBER U076

TOXICITY DATA with REFERENCE:

orl-mus TDLo:185 g/kg/78W-I:ETA,TER NCITR* NCI-CG-TR-66,78

orl-mus TD:1300 g/kg/78W-I:ETA,TER NCITR* NCI-CG-TR-66,78

orl-rat LD50:725 mg/kg HYSAAV 32,349,67

ihl-rat LCLo:16,000 ppm/4H JIDHAN 31,343,49

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (gavage); Inadequate Studies: mouse, rat NCITR* NCI-CG-TR-66,78. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 100 ppm

ACGIH TLV: TWA 100 ppm; Not Classifiable as a Human Carcinogen

DFG MAK: 100 ppm (410 mg/ m^3)

NIOSH REL: (1,1-Dichloroethane) Handle with caution

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion.

Experimental teratogenic effects. Questionable carcinogen with experimental tumorigenic data. Liver damage reported in experimental animals. A very dangerous fire hazard and moderate explosion hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use alcohol foam, water, foam, CO_2 , dry chemical. When heated to decomposition it emits highly toxic fumes of phosgene and Cl^- .

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Hydrocarbons, Halogenated, 1003.

DFG000 CAS: 598-38-9 HR: D

2,2-DICHLOROETHANOL

mf: $\text{C}_2\text{H}_4\text{Cl}_2\text{O}$ mw: 114.96

PROP: Liquid. Bp: 146° . Sltly sol in H_2O .

TOXICITY DATA with REFERENCE:

mno-omi 80 μL /plate CBINA8 30,9,80

mno-asn 20 μL /plate/2H CBINA8 30,9,80

sln-asn 37 mmol/L MUREAV 138,33,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DFG159 CAS: 10140-87-1 HR: 3

1,2-DICHLOROETHANOL ACETATE

mf: $\text{C}_4\text{H}_6\text{Cl}_2\text{O}_2$ mw: 157.00

PROP: Water-white liquid. Bp: $79-79.5^\circ$ @ 33 mm; d: 1.296/ 20°C . Flash p: 307°F . Insoluble in water.

SYN: 1,2-DICHLOROETHYL ACETATE

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by inhalation. Combustible when exposed to heat or flame. The vapor is potentially explosive. To fight small fires, use dry chemical, carbon dioxide, water spray, or foam. To fight large fires, use water spray, fog, or foam. May explode on heating with nitrates. When heated to decomposition it emits toxic fumes of Cl^- and phosgene.

DFG200 CAS: 72-00-4 HR: 3

2,2-DICHLOROETHENYL DIETHYL PHOSPHATE

mf: $\text{C}_6\text{H}_{11}\text{Cl}_2\text{O}_4\text{P}$ mw: 249.04

SYNS: 2,2-DICHLOROVINYL DIETHYL PHOSPHATE □ O-(2,2-DICHLORVINYL)-O,O-DIETHYLPHOSPHAT (GERMAN) □ DICHLORVOS-ETHYL

TOXICITY DATA with REFERENCE:

mno-sat 5 μL /plate MUREAV 28,405,75

orl-rat LD50:2500 μg /kg EQSFAP 3,173,74

orl-mus LDLo:42 mg/kg AECTCV 14,111,85

ipr-mus LD50:12 mg/kg ARZNAD 5,746,55

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Mutation data reported. See also PHOSPHATES and ESTERS. When heated to decomposition it emits very toxic fumes of Cl^- and PO_x .

DFG300 CAS: 71697-59-1 HR: 3
3-(2,2-DICHLOROETHENYL)-2,2-DIMETHYL-CYCLOPROPANECARBOXYLIC ACID, CYANO(3-PHENOXYPHENYL) METHYL ESTER, (1- α (S*),3- β)-(+-)-

mf: $\text{C}_{22}\text{H}_{19}\text{Cl}_2\text{NO}_3$ mw: 416.32

SYNS: TRANSMIX \square NRDC 159

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg USXXAM #5006545

ivn-rat LDLo:170 mg/kg ARTODN 45,325,1980

SAFETY PROFILE: A poison by intravenous route. Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

DFG333 CAS: 623-46-1 HR: D
1,2-DICHLORO-1-ETHOXYETHANE

mf: $\text{C}_4\text{H}_8\text{Cl}_2\text{O}$ mw: 143.01

SYN: ETHANE, 1,2-DICHLORO-1-ETHOXY-

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:12 pph:BAH VCVGK*,281,1994

SAFETY PROFILE: Human systemic effects. When heated to decomposition it emits toxic vapors of Cl^- .

DFG400 CAS: 72595-96-1 HR: D
DICHLORO(4-ETHOXY- α -PHENYLENEDI-AMMINE)PLATINUM(II)

mf: $\text{C}_8\text{H}_{12}\text{Cl}_2\text{N}_2\text{OPt}$ mw: 418.21

PROP: IDLH 4 mg/ m^3 (as Pt).

TOXICITY DATA with REFERENCE:

mmo-sat 2500 nmol/L JMCAMR 23,459,80

SAFETY PROFILE: Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DFG600 CAS: 14689-97-5 HR: 3
DI(2-CHLOROETHYL) ACETAL

mf: $\text{C}_6\text{H}_{12}\text{Cl}_2\text{O}_2$ mw: 187.08

SYN: 1,1'-(ETHYLIDENE)BIS(OXY)BIS(2-CHLOROETHANE)

TOXICITY DATA with REFERENCE:

orl-rat LD50:310 mg/kg AIHAAP 30,470,69

skn-rbt LD50:200 mg/kg AIHAAP 30,470,69

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

DFG700 CAS: 5960-88-3 HR: 3
2,2-DICHLOROETHYLAMINE

mf: $\text{C}_2\text{H}_5\text{Cl}_2\text{N}$ mw: 113.97

PROP: A liquid. Bp: 64° @ 58 mm.

SAFETY PROFILE: A poison. Solutions in ether are violently explosive at 80°C and 260 mbar. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

AMINO)-6-CHLORO-2-METHOXYACRIDINE

mf: $\text{C}_{20}\text{H}_{22}\text{Cl}_3\text{N}_3\text{O} \cdot 2\text{ClH} \cdot \text{H}_2\text{O}$ mw: 517.74

SYNS: 9-(2-(BIS(2-CHLOROETHYL)AMINO)ETHYLAMINO)-6-CHLORO-2-METHOXYACRIDINE DIHYDROCHLORIDE \square ICR-48b \square NSC-34372 \square QUINACRINE ETHYL MUSTARD

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:16 mg/kg/4W:CAR JNCIAM 36,915,66

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

DFH100 HR: 3
 α -(p-DI(2-CHLOROETHYL)AMINOPHENYL)-dl-TYROSINE DIHYDROCHLORIDE

mf: $\text{C}_{19}\text{H}_{22}\text{Cl}_2\text{N}_2\text{O}_3 \cdot 2\text{ClH}$ mw: 470.25

SYN: α -(p-DI(2-CHLOROETHYL)-AMINOPHENYL)-dl-TYROSINE DIHYDROCHLORIDE (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:620 mg/kg GWXXBX #2644941

ipr-rat LD50:62 mg/kg GWXXBX #2644941

ivn-rat LD50:62 mg/kg GWXXBX #2644941

orl-mus LD50:360 mg/kg GWXXBX #2644941

ipr-mus LD50:110 mg/kg GWXXBX #2644941

ivn-mus LD50:30 mg/kg GWXXBX #2644941

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

DFH200 CAS: 598-14-1 HR: 3
DICHLOROETHYLARSINE
DOT: UN 1892

mf: $\text{C}_2\text{H}_5\text{AsCl}_2$ mw: 174.89

PROP: Colorless liquid; fruity, biting, irritating odor. Mp: -65° , bp: 156° decomp, d: 1.742 @ 14° , vap press: 2.29 mm @ 21.5° , vap d: 6.03. Sol in H_2O ; misc in EtOH and C_6H_6 .

SYNS: ARSENIC DICHLOROETHANE \square ARSONOUS DICHLORIDE, ETHYL-(9CI) \square DICK (GERMAN) \square ED \square ETHYLARSONOUS DICHLORIDE \square ETHYLIDICHLORARSINE \square ETHYLIDICHLOROARSINE (DOT) \square TL 214

TOXICITY DATA with REFERENCE:

ihl-hmn LCLo:14 ppm/30M NTIS** PB214-270

ihl-mus LC50:1555 mg/ m^3 /10M NTIS** PB158-508

skn-mus LDLo:20 mg/kg NTIS** PB158-508

ihl-cat LCLo:12 ppm/40M ZGEMAZ 13,523,21

scu-cat LDLo:1 mg/kg ZGEMAZ 13,523,21

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

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

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: A human poison by inhalation. Experimentally, a deadly poison by inhalation and subcutaneous routes, and probably by ingestion. A severe irritant. A military poison gas. Can react with oxidizing materials. Will react with water or steam to produce toxic and corrosive fumes. Dangerous; on contact with acid or acid fumes it emits highly toxic fumes of Cl^- , As, and phosphine. See also ARSENIC COMPOUNDS.

DFH300 CAS: 1739-53-3 HR: 3
DICHLOROETHYLBORANE

mf: C₂H₅BCl₂ mw: 110.78**PROP:** Air and moisture-sensitive liquid. Bp: 51.5°.**SAFETY PROFILE:** Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Cl⁻. See also BORANES and BORON COMPOUNDS.**DFH600 CAS: 321-55-1 HR: 2**
O,O-DI(2-CHLOROETHYL)-O-(3-CHLORO-4-METHYLCOUMARIN-7-YL) PHOSPHATEmf: C₁₄H₁₄Cl₃O₆P mw: 415.60**PROP:** Crystals from EtOH. Mp: 91°.**SYNS:** O,O-BIS(2-CHLOROETHYL)-O-(3-CHLORO-4-METHYL-7-COUMARINYL) PHOSPHATE □ 2-CHLOROETHANOL HYDROGEN PHOSPHATE ESTER with 3-CHLORO-7-HYDROXY-4-METHYLCOUMARIN □ 2-CHLOROETHANOL PHOSPHATE DIESTER ESTER with 3-CHLORO-7-HYDROXY-4-METHYLCOUMARIN □ 3-CHLORO-7-HYDROXY-4-METHYLCOUMARIN BIS(2-CHLOROETHYL)PHOSPHATE □ 3-CHLORO-4-METHYL-UMBELLIFERONE BIS(2-CHLOROETHYL)PHOSPHATE □ DI-(2-CHLOROETHYL)-3-CHLORO-4-METHYLCOUMARIN-7-YL PHOSPHATE □ DI-(2-CHLOROETHYL)-3-CHLORO-4-METHYL-7-COUMARINYL PHOSPHATE □ EUSTIDIL □ GALLOXON □ GALOXANE □ %H60 □ HALOXON □ HELMIRANE □ HELMIRON □ HELMIRONE □ LOXON □ LUXON □ LXON**TOXICITY DATA with REFERENCE:**

dni-hmn:oth 10 mg/L JTEHD6 10,143,82

orl-rat LD50:900 mg/kg FAZMAE 17,108,73

ipr-ckn LD50:800 mg/kg BCPA6 16,1183,67

orl-dom LD50:763 mg/kg AJVRAH 41,1857,80

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Human mutation data reported. When heated to decomposition it emits very toxic fumes of PO_x and Cl⁻. See also other coumarin entries.**DFH800 CAS: 25323-30-2 HR: 3**
DICHLOROETHYLENE**DOT:** UN 1150mf: C₂H₂Cl₂ mw: 96.94**TOXICITY DATA with REFERENCE:**ihl-mus LCLo:76 g/m³/2H AEXPBL 83,235,18ihl-gpg LCLo:155 g/m³/1H AEXPBL 83,235,18

orl-mam LDLo:2500 mg/kg UGLAAD 121,375,59

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 VINYLIDENE CHLORIDE.**DFI200 CAS: 156-59-2 HR: 1**
cis-DICHLOROETHYLENEmf: C₂H₂Cl₂ mw: 96.94

HCCI=CHCl

PROP: Colorless liquid; pleasant odor. Mp: -80.5°, bp: 59°, lel: 9.7%, uel: 12.8%, flash p: 39°F, d: 1.291 @ 15°/4°, vap press: 400 mm @ 41.0°, vap d: 3.34.**SYN:** 1,2-DICHLOROETHYLENE**TOXICITY DATA with REFERENCE:**

mmo-smc 100 mmol/L TCMUD8 4,365,84

mma-smc 40 mmol/L TCMUD8 4,365,84

mrc-smc 100 mmol/L TCMUD8 4,365,84

dns-rat:lvv 4300 μmol/L CRNGDP 5,1629,84

ihl-mus LCLo:65,000 mg/m³/2H AHBAAM 116,131,36ihl-cat LCLo:20,000 mg/m³/6H AHBAAM 116,131,36**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DFG MAK:** 200 ppm (800 mg/m³)**SAFETY PROFILE:** Mildly toxic by ingestion and inhalation. In high concentration it is irritating and narcotic. Has produced liver and kidney injury in experimental animals. Mutation data reported. Sometimes thought to be nonflammable, however, it is a dangerous fire hazard when exposed to heat or flame. Reaction with solid caustic alkalis or their concentrated solutions produces chloracetylene gas, which ignites spontaneously in air. Reacts violently with N₂O₄, KOH, Na, NaOH. Moderate explosion hazard in the form of vapor when exposed to flame. Can react vigorously with oxidizing materials. To fight fire, use water spray, foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also VINYLIDENE CHLORIDE and CHLORINATED HYDROCARBONS, ALIPHATIC.**DFI210 CAS: 540-59-0 HR: 3**
1,2-DICHLOROETHYLENEmf: C₂H₂Cl₂ mw: 96.94**PROP:** Liquid with ethereal odor. Bp: 55°. IDLH 1000 ppm.**SYNS:** ACETYLENE DICHLORIDE □ 1,2-DICHLOR-AETHEN (GERMAN) □ sym-DICHLOROETHYLENE □ DICHLORO-1,2-ETHYLENE (FRENCH) □ DIOFORM □ NCI-C56031**TOXICITY DATA with REFERENCE:**

skn-rbt 100 mg/24H MOD 85JCAE -,105,86

sln-Mold-asn 750 ppm MUREAV 266,117,92

orl-rat LD50:770 mg/kg ARSIM* 20,10,66

ipr-mus LD50:2 g/kg EJTXAZ 7,247,74

ihl-frg LCLo:117 mg/m³/1H AISFAR 15,1,37

orl-rat LD50:770 mg/kg ARSIM* 20,10,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Community Right-To-Know List.**OSHA PEL:** TWA 200 ppm**ACGIH TLV:** TWA 200 ppm**DFG MAK:** 200 ppm (800 mg/m³)**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits highly toxic fumes of Cl⁻. See also ACETYLENE COMPOUNDS, and CHLORINATED HYDROCARBONS, ALIPHATIC.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Hydrocarbons, Halogenated, 1003.**DFI800 CAS: 3967-55-3 HR: 2**
1,2-DICHLOROETHYLENE CARBONATEmf: C₃H₂Cl₂O₃ mw: 156.95**SYN:** 4,5-DICHLORO-2-OXO-1,3-DIOXOLANE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl⁻.**DFJ000 CAS: 14096-51-6 HR: 3**
DICHLORO(ETHYLENEDIAMINE)-PLATINUM(II)mf: C₂H₈Cl₂N₂Pt mw: 326.11

PROP: Yellow crystals. Sol in H₂O. IDLH 4 mg/m³ (as Pt).

SYNS: ETHYLENEDIAMINEDICHLORIDE PLATINUM (II) □ PLATINUM ETHYLENEDIAMMINE DICHLORIDE □ Pt-05

TOXICITY DATA with REFERENCE:

mno-sat 2 µg/plate MUREAV 77,45,80
dni-hmn:oth 25 µmol/L IJCNW 6,207,70
ipr-mus LDLo:14 mg/kg BCPCA6 2,187,73

SAFETY PROFILE: Poison by intraperitoneal route. Human mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DFJ050 CAS: 111-44-4 HR: 3
DICHLOROETHYL ETHER

DOT: UN 1916

mf: C₄H₈Cl₂O mw: 143.02

PROP: Colorless, stable liquid. Bp: 178.5°, fp: -51.9°, flash p: 131°F (CC), d: 1.2220 @ 20°/20°, autoign temp: 696°F, vap press: 0.7 mm @ 20°, vap d: 4.93. Misc in Et₂O, MeOH, and C₆H₆. IDLH 100 ppm.

SYNS: BIS(β-CHLOROETHYL) ETHER □ BIS(2-CHLOROETHYL) ETHER □ CHLOREX □ 1-CHLORO-2-(β-CHLOROETHOXY)ETHANE □ CHLOROETHYL ETHER □ CLOREX □ DCEE □ 2,2'-DICHLOORETHYLETHER (DUTCH) □ 2,2'-DICHLOR-DIAETHYLAETHER (GERMAN) □ 2,2'-DICHLOROETHYL ETHER □ β,β-DICHLORODIETHYL ETHER □ DICHLOROETHER □ DI(β-CHLOROETHYL)ETHER □ β,β'-DICHLOROETHYL ETHER □ sym-DICHLOROETHYL ETHER □ 2,2'-DICHLOROETHYL ETHER (MAK) □ DICHLOROETHYL OXIDE □ 2,2'-DICHLOROETILETERE (ITALIAN) □ DWUCHLORODWUETYLLOWY ETHER (POLISH) □ ENT 4,504 □ ETHER DICHLORE (FRENCH) □ 1,1'-OXYBIS(2-CHLORO)ETHANE □ OXYDE de CHLORETHYLE (FRENCH) □ RCRA WASTE NUMBER U025

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open JIHTAB 30,63,48
skn-rbt 500 mg open MLD UCDS** 12/29/71
eye-rbt 20 mg AJOPAA 29,1363,46
mmo-sat 1 mL/plate/2H DHEFDK FDA-78-1046,78
mma-sat 1 mg/plate ENMUDM 8 (Suppl 7),1,86
orl-rat LD50:75 mg/kg JIHTAB 30,63,48
ihl-rat LC50:330 mg/m³/4H 85GMAT -,45,82
orl-mus LD50:112 mg/kg 85GMAT -,45,82
ihl-mus LC50:650 mg/m³/2H 85GMAT -,45,82
skn-rbt LD50:720 mg/kg UCDS** 12/29/71
skn-gpg LD50:300 mg/kg JIHTAB 30,63,48

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 9,117,75. Reported in EPA TSCA Inventory. On Community Right-To-Know List. On EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 5 ppm; STEL 10 ppm (skin)

ACGIH TLV: TWA 5 ppm; STEL 10 ppm (skin); Not Classifiable as a Human Carcinogen

DFG MAK: 10 ppm (59 mg/m³)

DOT CLASSIFICATION: 6.1; Label: Poison, Flammable Liquid

SAFETY PROFILE: A poison by ingestion, skin contact, and inhalation. A skin, eye, and mucous membrane irritant. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation

data reported. Exposure to 1000 ppm for 30 to 60 minutes may result in death within days. The odor is easily detectable at 35 ppm which causes only slight irritation. Flammable liquid when exposed to heat, flame, or oxidants. Dangerous explosion hazard; reacts vigorously with oleum, chlorosulfonic acid. Reacts with water or steam to evolve toxic and corrosive fumes. Can react vigorously with oxidizing materials. To fight fire, use water, foam, mist, fog, spray, dry chemical. When heated to decomposition it emits toxic fumes of Cl⁻. See also ETHERS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: sym-Dichloroethyl Ether, 1004.

DFJ100 CAS: 90584-32-0 HR: 3
1,2-DICHLOROETHYL HYDROPEROXIDE

mf: C₂H₄Cl₂O₂ mw: 130.96

SAFETY PROFILE: Undergoes rapid exothermic decomposition at room temperature. When heated to decomposition it emits toxic fumes of Cl⁻. See also PEROXIDES.

DFJ200 CAS: 63917-06-6 HR: 3
DI-2-CHLOROETHYL MALEATE

mf: C₈H₁₀Cl₂O₄ mw: 241.08

SYN: DI(2-CHLOROETHYL) ESTER, MALEIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:71 mg/kg TXAPA9 28,313,74
skn-rbt LD50:140 mg/kg TXAPA9 28,313,74

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

DFJ400 CAS: 20198-77-0 HR: 3
2,3-DICHLORO-N-ETHYLMALANIMIDE

mf: C₆H₅Cl₂NO₂ mw: 194.02

SYN: N-ETHYL-DICHLOROMALANIMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:15 mg/kg ARTODN 37,15,76
ivn-mus LD50:5600 µg/kg CSLNX* NX#03694

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DFJ500 CAS: 10232-90-3 HR: 2
2-(1,2-DICHLOROETHYL)-4-METHYL-1,3-DIOXOLANE

mf: C₆H₁₀Cl₂O₂ mw: 185.06

SYN: 1,3-DIOXOLANE, 2-(1,2-DICHLOROETHYL)-4-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
orl-rat LD50:620 mg/kg AIHAAP 23,95,62
skn-rbt LD50:1010 mg/kg AIHAAP 23,95,62

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

DFJ800 CAS: 1125-27-5 HR: 3
DICHLOROETHYLPHENYLSILANE
DOT: UN 2435

mf: $C_8H_{10}Cl_2Si$ mw: 205.17**PROP:** Liquid.**SYN:** ETHYL PHENYL DICHLOROSILANE (DOT)**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Poison by ingestion and inhalation. A poison irritant to skin, eyes, and mucous membranes. Corrosive. Will react with water or steam to produce toxic and corrosive fumes. Can react with oxidizing materials. When heated to decomposition it emits toxic fumes of Cl^- and phenol. See also CHLOROSILANES.**DFK000 CAS: 1789-58-8 HR: 3**
DICHLOROETHYLSILANE**DOT:** UN 1183mf: $C_2H_6Cl_2Si$ mw: 129.07**PROP:** Liquid. Vap d: 4.45, bp: 74–75°, flash p: <73.4°F.**SYN:** ETHYL DICHLOROSILANE (DOT)**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 4.3; Label: Danger When Wet, Corrosive, Flammable Liquid**SAFETY PROFILE:** Poison by ingestion and inhalation. A severe irritant to skin, eyes, and mucous membranes. Corrosive. Dangerous fire hazard if exposed to heat, open flames, or powerful oxidizers. Will react with water or steam to produce heat and toxic and corrosive fumes. To fight fire, use foam, dry chemical, mist, spray. When heated to decomposition it emits toxic fumes of Cl^- and phosgene. See also CHLOROSILANES.**DFK200 CAS: 63918-89-8 HR: 3**
2-2'-DI(3-CHLOROETHYLTHIO)DIETHYL ETHERmf: $C_8H_{16}Cl_2OS_2$ mw: 263.26**SYNS:** BIS(β-CHLOROETHYLTHIOETHYL) ETHER □ BIS(2-CHLOROETHYLTHIOETHYL) ETHER □ 1,1'-OXYBIS(2-(2-CHLOROETHYL)THIOETHANE**TOXICITY DATA with REFERENCE:**

sln-dmg-ihl 100 pph/5M PREBA3 62B,284,46/47

ihl-hmn LCLo:400 mg/m³ SCJUAD 4,33,67ihl-mus LC50:1650 mg/m³/10M NTIS** PB158-508**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** A human poison by inhalation. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and Cl^- . See also ETHERS and CHLORIDES.**DFK400 CAS: 10138-21-3 HR: 2**
DICHLOROETHYLVINYL SILANEmf: $C_4H_8Cl_2Si$ mw: 155.11**SYN:** ETHYL VINYL DICHLOROSILANE**TOXICITY DATA with REFERENCE:**

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

skn-rbt 5 mg/24H SEV 85JCAE -,1223,86

eye-rbt 250 µg/24H SEV 85JCAE -,1223,86

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

ihl-rat LCLo:8000 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:750 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. Mildly toxic by inhalation. A severe skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROSILANES.**DFK600 CAS: 97-17-6 HR: 3**
DICHLOROFENTHIONmf: $C_{10}H_{13}Cl_2O_3PS$ mw: 315.16**PROP:** A liquid. A nonvolatile, residual organic phosphate nematocide and insecticide. Bp: 126–131° @ 0.2 mm, d: 1.3. Insol in water; sol in most org solvs.**SYNS:** BROMEX □ O,O-DIAETHYL-O-2,4-DICHLOR-PHENYL-MONOTHIOFOSFAAT (GERMAN) □ O,O-DIAETHYL-O-2,4-DICHLORPHENYL-THIONOPHOSPHAT (GERMAN) □ DICHLOFENTHION □ DICHLOFENTHION □ 2,4-DICHLORO-PHENOL-O-ESTER with O,O-DIETHYL PHOSPHOROTHIOATE □ O-2,4-DICHLOROPHENYL-O,O-DIETHYL PHOSPHOROTHIOATE □ 2,4-DICHLORO-PHENYL DIETHYL PHOSPHOROTHIONATE □ O,O-DIETHYL-O-(2,4-DICHLOR-FENYL)-MONOTHIOFOSFAAT (DUTCH) □ O,O-DIETHYL-O-(2,4-DICHLOROPHENYL) PHOSPHOROTHIOATE □ DIETHYL 2,4-DICHLOROPHENYL PHOSPHOROTHIONATE □ O,O-DIETHYL-O-2,4-DICHLOROPHENYL THIOFOSPHATE □ O,O-DIETHYL-O-(2,4-DICHLOR-FENYL)-MONOTHIOFOSFATO (ITALIAN) □ ECP □ ENT 17,470 □ HEXA-NEMA □ MOBILAWN □ NEMACIDE □ THIOFOSPHATE de O-2,4-DICHLORO-PHENYLE et de O,O-DIETHYLE (FRENCH) □ TRI-VC 13 □ VC13 NEMACIDE**TOXICITY DATA with REFERENCE:**

sce-hmn:lyms 2 mg/L MUREAV 102,89,82

orl-rat LD50:172 mg/kg FAATDF 7,299,86

skn-rat LD50:355 mg/kg FAATDF 7,299,86

skn-rbt LD50:6000 mg/kg 31ZOAD 1,136,68

orl-pgn LD50:75 mg/kg ASTTA8 (680),157,79

orl-ckn LD50:148 mg/kg TXAPA9 11,49,67

orl-qal LD50:316 mg/kg ASTTA8 (680),157,79

orl-mam LD50:270 mg/kg FMCHA2 -,C160,83

orl-bwd LD50:14 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion and skin contact. A very toxic insecticide. Mutation data reported. See also ESTERS and PARATHION. When heated to decomposition it emits very toxic fumes of PO_x , SO_x , and Cl^- .**DFL000 CAS: 75-43-4 HR: 1**
DICHLOROFLUOROMETHANE**DOT:** UN 1029mf: $CHCl_2F$ mw: 102.92**PROP:** Heavy, colorless gas. Mp: -135°, bp: 8.9°, d: 1.48, vap press: 2 atm @ 28.4°, vap d: 3.82. IDLH 5000 ppm.**SYNS:** ALGOFRENE TYPE 5 □ ARCTON 7 □ DICHLOROMONOFUOROMETHANE (OSHA, DOT) □ DWUCHLOROFLUOROMETAN (POLISH) □ FC-21 □ FLUORODICHLOROMETHANE □ FREON 21 □ GENETRON 21 □ R21 (DOT)**TOXICITY DATA with REFERENCE:**

ihl-rat LC50:49,900 ppm/4H DTLVS* 4,132,80

ihl-gpg LCLo:10 pph/1H FLCRAP 1,197,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 ppm

ACGIH TLV: TWA 10 ppm

DFG MAK: 10 ppm (43 mg/m³)

DOT CLASSIFICATION: 2.2; Label: Nonflammable Gas

SAFETY PROFILE: Mildly toxic by inhalation.

Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: see Dichlorofluoromethane, 2516.

**DFL100 CAS: 498-67-9 HR: 3
(DICHLOROFLUOROMETHYL)BENZENE**

mf: C₇H₅Cl₂F mw: 179.02

SYNS: BENZENE, (DICHLOROFLUOROMETHYL)- □ α-α-DICHLORO-α-FLUOROTOLUENE □ TOLUENE, α-α-DICHLORO-α-FLUORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:450 mg/kg GTPZAB 31(4),46,87

ihl-rat LC50:2 g/m³ GTPZAB 31(4),46,87

orl-mus LD50:1875 mg/kg GTPZAB 31(4),46,87

ihl-mus LC50:3100 mg/m³ GTPZAB 31(4),46,87

ihl-uns LC50:3200 mg/m³ GTPZAB 30(3),6,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation route.

Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of F⁻ and Cl⁻.

**DFL200 CAS: 1085-98-9 HR: 2
N-(DICHLOROFLUOROMETHYLTHIO)-N',N'-
DIMETHYL-N-PHENYLSULFAMIDE**

mf: C₉H₁₁Cl₂FN₂O₂S₂ mw: 333.24

PROP: Powder. Mp: 105–106°. Practically insol in H₂O; sltly sol in MeOH; sol in xylene.

SYNS: BAY 47531 □ BAYER 47531 □ DICHLOFLUANID □ DICHLOFLUANIDE □ N-DICHLORFLUORMETHYLTHIO-N',N'-DIMETHYLAMINOSULFONSAEUREANILID (GERMAN) □ N-(DICHLOR-FLUOR-METHYL-THIO)-N',N'-DIMETHYL-N-PHENYL-SCHWEFEL-SAEUREDIAID (GERMAN) □ 1,1-DICHLORO-N-((DIMETHYLAMINO)SULFONYL)-1-FLUORO-N-PHENYLMETHANE SULFENAMIDE □ N-((DICHLORO-FLUOROMETHYL)THIO)-N-((DIMETHYLAMINO)SULFONYL)-ANILINE □ N-(DICHLOROFLUOROMETHYLTHIO)-N-((DIMETHYLSULFAMOYL)ANILINE □ N,N-DIMETHYL-N'-PHENYL-N'-FLUORODICHLOROMETHYLTHIOSULFAMIDE □ ELVARON □ EPAREN □ EUPAREN □ EUPARENE □ KU 13-032-C □ KUE 13032c

TOXICITY DATA with REFERENCE:

mno-esc 10 µg/plate MUREAV 116,185,83

mma-esc 100 µg/plate MUREAV 116,185,83

orl-rat LD50:500 mg/kg WRPCA2 9,119,70

ihl-rat LC50:300 mg/m³/4H 85JFAN A136,86

skn-rat LD50:1 g/kg GUCHAZ 6,179,73

orl-mus LD50:1250 mg/kg MEIEDD 10,442,83

orl-cat LD50:1 g/kg 85GYAZ -,97,71

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. Mutation data reported. A pesticide. When

heated to decomposition it emits very toxic fumes of Cl⁻, F⁻, NO_x, and SO_x.

**DFL400 CAS: 731-27-1 HR: 3
N'-DICHLOROFLUOROMETHYLTHIO-N,N'-
DIMETHYL-N'-(4-TOLYL)SULFAMIDE**

mf: C₁₀H₁₃Cl₂FN₂O₂S₂ mw: 347.27

PROP: Colorless to pale-yellow powder. Mp: 95–97°. Sol in C₆H₆, and xylene; sltly sol in H₂O and MeOH.

SYNS: N,N-DIMETHYL-N'-(4-TOLYL)-N'-(DICHLORFLUOROMETHYLTHIO)SULFAMID (GERMAN) □ N,N-DIMETHYL-N-(4-TOLYL)-N-(DICHLOROFLUOROMETHYLTHIO)SULFAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg GUCHAZ 6,505,73

skn-rat LD50:500 mg/kg GUCHAZ 6,505,73

orl-rbt LD50:500 mg/kg 28ZEAL 5,225,76

orl-gpg LD50:250 mg/kg 85DPAN -,71/76

orl-brd LD50:1000 mg/kg 28ZEAL 5,225,76

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

**DFL600 CAS: 15230-48-5 HR: 3
DICHLOROGERMANE**

mf: Cl₂GeH₂ mw: 145.51

PROP: Colorless liquid. Mp: -68.0°, bp: 69.5°, d: 1.90 @ -68°, vap d: 5.0.

SAFETY PROFILE: Reaction with ammonia forms heat-sensitive explosive product. See also HYDROCHLORIC ACID and GERMANIUM COMPOUNDS. When heated to decomposition it emits toxic fumes of Cl⁻.

**DFL709 CAS: 58941-14-3 HR: 3
N,N-DICHLOROGLYCINE**

mf: C₂H₃Cl₂NO₂ mw: 143.96

SAFETY PROFILE: Explodes when heated to 65°C. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

**DFL720 CAS: 2460-49-3 HR: D
4,5-DICHLOROGLUAIACOL**

mf: C₇H₆Cl₂O₂ mw: 193.03

SYNS: 4,5-DICHLORO-2-METHOXYPHENOL □ PHENOL, 4,5-DICHLORO-2-METHOXY-

TOXICITY DATA with REFERENCE:

mno-smc 50 mg/L MUREAV 119,273,83

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

**DFL800 CAS: 16260-59-6 HR: 3
1,6-DICHLORO-2,4-HEXADIYNE**

mf: C₆H₄Cl₂ mw: 147.00

ClCH₂(C≡C)₂CH₂Cl

PROP: Bp: 55–58° @ 0.5 mm.

SAFETY PROFILE: An extremely shock-sensitive explosive. Upon decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DFM000 CAS: 303-04-8 HR: 3**2,3-DICHLOROHEXAFLUOROBUTENE-2**mf: C₄Cl₂F₆ mw: 232.94**SYNS:** DCHFB □ 2,3-DICHLOROHEXAFLUORO-2-BUTENE □ 2,3-DICHLORO-1,1,1,4,4,4-HEXAFLUOROBUTENE-2**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:1000 mg/kg DOWCC* -, -, 63

ihl-rat LC50:16 ppm/4H BJANAD 37,716,65

ihl-mus LC50:26 ppm/4H BJANAD 37,716,65

ihl-dog LC50:182 ppm/4H JETOAS 4,517,71

ihl-mky LC50:54 ppm/3H ANESAV 26,140,65

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.**DFM025 CAS: 356-18-3 HR: 3****1,2-DICHLORO-1,2,3,3,4,4-HEXAFLUORO-CYCLOBUTANE**mf: C₄Cl₂F₆ mw: 232.94**SYNS:** CYCLOBUTANE, 1,2-DICHLOROHEXAFLUORO- □ CYCLOBUTANE, 1,2-DICHLORO-1,2,3,3,4,4-HEXAFLUORO-(9CI) □ 1,2-DICHLOROHEXAFLUOROCYCLOBUTANE □ 1,2-DICHLOROPERFLUOROCYCLOBUTANE**TOXICITY DATA with REFERENCE:**

ihl-mus LCLo:21 ppb/30S ANASAB 16,3,61

SAFETY PROFILE: Poison by inhalation. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DFM050 CAS: 706-79-6 HR: 3****1,2-DICHLOROHEXAFLUOROCYCLOPENTENE**mf: C₅Cl₂F₆ mw: 244.95**SYNS:** CYCLOPENTENE, 1,2-DICHLOROHEXAFLUORO- □ CYCLOPENTENE, 1,2-DICHLORO-3,3,4,4,5,5-HEXAFLUORO-(9CI) □ 1,2-DICHLORO-3,3,4,4,5,5-HEXAFLUOROCYCLOPENTENE □ 1,2-DICHLOROPERFLUORO-CYCLOPENTENE**TOXICITY DATA with REFERENCE:**

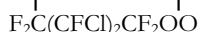
orl-rat LD50:280 mg/kg GISAAA 30(11),6,65

orl-mus LD50:276 mg/kg GISAAA 30(11),6,65

ihl-mus LC50:2100 mg/m³/2H 85JCAE -,163,86

orl-rbt LD50:280 mg/kg GISAAA 30(11),6,65

orl-gpg LD50:280 mg/kg GISAAA 30(11),6,65

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 F⁻ and Cl⁻.**DFM099 HR: 3****4,5-DICHLORO-3,3,4,5,6,6-HEXAFLUORO-1,2-DIOXANE**mf: C₄Cl₂F₆O₂ mw: 264.94**SAFETY PROFILE:** Explodes violently when heated. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻. See also CHLORIDES and FLUORIDES.**DFM110 CAS: 662-01-1 HR: 1****1,3-DICHLORO-1,1,2,2,3,3-HEXAFLUORO-PROPANE**mf: C₃Cl₂F₆ mw: 220.93**SYN:** PROPANE, 1,3-DICHLORO-1,1,2,2,3,3-HEXAFLUORO-**TOXICITY DATA with REFERENCE:**ihl-mus LCLo:1,184,000 mg/m³/10M VCVGH*-,652,1990**SAFETY PROFILE:** Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of F⁻ and Cl⁻.**DFM200 CAS: 13442-13-2 HR: 2****6,7-DICHLORO-4-(HYDROXYAMINO)-QUINOLINE-1-OXIDE**mf: C₉H₆Cl₂N₂O₂ mw: 245.07**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DFM600 CAS: 101652-05-5 HR: 3****6,7-DICHLORO-10-(3-(N-(2-HYDROXYETHYL)-ETHYLAMINO))ISOALLOXAZINE SULFATE**mf: C₁₇H₁₉Cl₂N₅O₃•H₂O₄S mw: 510.39**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:30 mg/kg CMTRAG 2,96,61

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

ivn-mus LD50:90 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. See also SULFATES and CHLORIDES. When heated to decomposition it emits very toxic fumes of SO_x, Cl⁻, and NO_x.**DFM800 CAS: 101652-07-7 HR: 3****6,7-DICHLORO-10-(3-(N-(2-HYDROXYETHYL)-METHYLAMINO)PROPYL) ISOALLOXAZINE SULFATE**mf: C₁₆H₁₇Cl₂N₅O₃•H₂O₄S mw: 496.36**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:45 mg/kg CMTRAG 2,96,61

ipr-mus LD50:75 mg/kg CMTRAG 2,96,61

scu-mus LD50:97 mg/kg CMTRAG 2,96,61

ivn-mus LD50:75 mg/kg CMTRAG 2,96,61

ims-mus LD50:40 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by intraperitoneal, intravenous, intramuscular, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.**DFM875 CAS: 90742-91-9 HR: 3****1-(2,5-DICHLORO-6-(1-(1H-IMIDAZOL-1-YL)-VINYL)PHENOXY)-3-(ISOPROPYL-AMINO)-2-PROPANOL HYDROCHLORIDE**mf: C₁₇H₂₁Cl₂N₃O₂•ClH mw: 406.77**SYNS:** 711389-S □ 1-(1-(2-(3-ISOPROPYLAMINO-2-HYDROXYPROPOXY)-3,6-DICHLOROPHENYL)VINYL)-1H-IMIDAZOLE HCl**TOXICITY DATA with REFERENCE:**

unr-rat LD50:245 mg/kg DRFUD4 10,472,85

ivn-mus LD50:19,800 µg/kg JMCMAR 27,1142,84

unr-mus LD50:171 mg/kg DRFUD4 10,472,85

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

DFN300 CAS: 130-20-1 HR: 2**3,3'-DICHLOROINDANTHRONE**mf: $C_{28}H_{12}Cl_2N_2O_4$ mw: 511.32

SYNS: AHC VAT BLUE BCF □ ALIZANTHRENE BLUE RC □ AMANTHRENE BLUE BCL □ 5,9,14,18-ANTHAZINETETRONE, 7,16-DICHLORO-6,15-DIHYDRO- □ ATIC VAT BLUE BC □ BENZADONE BLUE RC □ BLUE K □ CALCOLOID BLUE BLC □ CALCOLOID BLUE BLD □ CALCOLOID BLUE BLFD □ CALCOLOID BLUE BLR □ CALEDON BLUE XRC □ CARBANTHRENE BLUE BCF □ CARBANTHRENE BLUE BCS □ CARBANTHRENE BLUE RBCF □ CARBANTHRENE BLUE RCS □ C.I. 69825 □ CIBANONE BLUE FG □ CIBANONE BLUE FGF □ CIBANONE BLUE FGL □ CIBANONE BLUE GF □ C.I. VAT BLUE 6 □ D and C BLUE No. 9 □ DICHLOROINDANTHRONE □ 7,16-DICHLOROINDANTHRONE □ FENAN BLUE BCS □ FENANTHREN BLUE BC □ FENANTHREN BLUE BD □ HARMONE B 79 □ HELANTHRENE BLUE BC □ INDANTHREN BLUE BC □ INDANTHREN BLUE BCA □ INDANTHREN BLUE BCS □ INDANTHRENE BLUE BC □ INDANTHRENE BLUE BCF □ INDO BLUE B-I □ INDO BLUE WD 279 □ INDOTONER BLUE B 79 □ INTRAVAT BLUE GF □ MIKETHRENE BLUE BC □ MIKETHRENE BLUE BCS □ MONOLITE FAST BLUE 2RV □ MONOLITE FAST BLUE 2RVSA □ NAVINON BLUE BC □ NAVINON BRILLIANT BLUE RCL □ NIHONTHRENE BLUE BC □ NIHONTHRENE BRILLIANT BLUE RCL □ NYANTHRENE BLUE BFP □ OSTANTHREN BLUE BCL □ OSTANTHREN BLUE BCS □ PALANTHRENE BLUE BC □ PALANTHRENE BLUE BCA □ PARADONE BLUE RC □ PERNITHRENE BLUE BC □ PONSOL BLUE BCS □ PONSOL BLUE BF □ PONSOL BLUE BFD □ PONSOL BLUE BFDP □ PONSOL BLUE BFN □ PONSOL BLUE BFND □ PONSOL BLUE BFP □ RESINATED INDO BLUE B 85 □ ROMANTRENE BLUE FBC □ SANDOTHRENE BLUE NG □ SANDOTHRENE BLUE NGR □ SANDOTHRENE BLUE NGW □ SOLANTHRENE BLUE B □ SOLANTHRENE BLUE F-SBA □ SOLANTHRENE BLUE SB □ TINON BLUE GF □ TINON BLUE GL □ VAT BLUE 6 □ VAT BLUE KD □ VAT FAST BLUE BCS □ VAT GREEN B □ VAT SKY BLUE K □ VAT SKY BLUE KD □ VAT SKY BLUE KP 2F

TOXICITY DATA with REFERENCE:

orl-mus LD50:1800 mg/kg GNAMAP 14,152,75

skn-mus LD50:25 g/kg GNAMAP 14,152,75

SAFETY PROFILE: Moderately toxic by ingestion.Mildly toxic by skin contact. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**DFN330 CAS: 3375-22-2 HR: 1****1,3-DICHLOROISOBUTYLENE**mf: $C_4H_6Cl_2$ mw: 125.00

SYNS: 1,3-DICHLORO-2-METHYLPROPENE □ 1,3-DICHLORO-2-METHYL-1-PROPENE □ PROPENE, 1,3-DICHLORO-2-METHYL- □ 1-PROPENE, 1,3-DICHLORO-2-METHYL-

TOXICITY DATA with REFERENCE:ihl-mus LC50:4400 mg/m³/2H 85GMAT-46,1982**SAFETY PROFILE:** Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of Cl^- .**DFN350 CAS: 60357-67-7 HR: 2****1,3-DICHLORO-5-ISOCYANOBENZENE**mf: $C_7H_3Cl_2N$ mw: 172.01

SYNS: BENZENE, 1,3-DICHLORO-5-ISOCYANO- □ 3,5-DICHLOROPHENYL ISOCYANIDE

TOXICITY DATA with REFERENCE:

orl-mus LD :>2 g/kg USXXAM #3422190

scu-mus LD :>500 mg/kg USXXAM #3422190

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**DFN400 CAS: 59-61-0 HR: 3****3,4-DICHLORO-α-((ISOPROPYLAMINO)-METHYL)BENZYL ALCOHOL**mf: $C_{11}H_{15}Cl_2NO$ mw: 248.17

SYNS: DCI □ DICHLORISOPRENALINE (GERMAN) □ DICHLORISOPROTERENOL □ 3,4-DICHLOR-ISOPROTERENOL (GERMAN) □ 3,4-DICHLORO-α-((1-METHYLETHYL)AMINO)-METHYL)BENZENEMETHANOL □ N-(β-(3,4-DICHLOROPHENYL)-β-HYDROXYETHYL)ISOPROPYLAMINE □ 1-(3,4-DICHLOROPHENYL)-2-ISOPROPYLAMINOETHANOL □ β-HYDROXY-N-ISOPROPYL-3,4-DICHLOROPHENETHYLAMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:165 mg/kg ARZNAD 18,48,68

ivn-mus LD50:39 mg/kg ARZNAD 18,48,68

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .**DFN450 CAS: 1324-55-6 HR: 1****DICHLOROISOVIOLANTHRONE**mf: $C_{34}H_{14}Cl_2O_2$ mw: 525.38

SYNS: AHC VAT BRILLIANT VIOLET 2R □ AHC VAT BRILLIANT VIOLET 4R □ AMANTHRENE BRILLIANT VIOLET RR □ ARLANTHRENE VIOLET 4R □ ATIC VAT BRILLIANT PURPLE 4R □ BENZADONE BRILLIANT PURPLE 2R □ BENZADONE BRILLIANT PURPLE 4R □ BENZO(rs)PHEN-ANTHRO(10,1,2-cde)PENTAPHENE-9,18-DIONE, DICHLORO- □ BRILLIANT VIOLET K □ CALCOLOID VIOLET 4RD □ CALCOLOID VIOLET 4RP □ CALEDON BRILLIANT PURPLE 4R □ CALEDON BRILLIANT PURPLE 4RP □ CALEDON PRINTING PURPLE 4R □ CARBANTHRENE BRILLIANT VIOLET 4R □ CARBANTHRENE VIOLET 2R □ CARBANTHRENE VIOLET 2RP □ C.I. 60010 □ CIBANONE VIOLET F 4R □ CIBANONE VIOLET F 2RB □ CIBANONE VIOLET 2R □ CIBANONE VIOLET 4R □ C.I. PIGMENT VIOLET 31 □ C.I. VAT VIOLET 1 (8CI) □ FENANTHREN BRILLIANT VIOLET 2R □ FENANTHREN BRILLIANT VIOLET 4R □ INDANTHREN BRILLIANT VIOLET 4R □ INDANTHREN BRILLIANT VIOLET RR □ INDANTHRENE BRILLIANT VIOLET 4R □ INDANTHRENE BRILLIANT VIOLET RR □ INDAN-THREN PRINTING VIOLET F 4R □ INDOFAST VIOLET LAKE □ NIHONTHRENE BRILLIANT VIOLET 4R □ NIHONTHRENE BRILLIANT VIOLET RR □ NYANTHRENE BRILLIANT VIOLET 4R □ PONOLITH FAST VIOLET 4RN □ SANDOTHRENE VIOLET N 4R □ SANDOTHRENE VIOLET N 2RB □ SANDO-THRENE VIOLET 4R □ SOLANTHRENE BRILLIANT VIOLET F 2R □ SYMULER FAST VIOLET R □ TINON VIOLET B 4RP □ TINON VIOLET 4R □ TINON VIOLET 2RB □ VAT BRIGHT VIOLET K □ VAT BRILLIANT VIOLET K □ VAT BRILLIANT VIOLET KD □ VAT BRILLIANT VIOLET KP □ VIOLET KYPOVA 1 □ VIOLET PIGMENT 31

TOXICITY DATA with REFERENCE:

orl-mus LD50:6700 mg/kg 85JCAE -,1329,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DFN500 CAS: 36417-16-0 HR: 3
DICHLOROLAWSONE

mf: $\text{C}_{13}\text{H}_8\text{Cl}_2\text{O}_3$ mw: 283.11

SYNS: DCL □ DICHLOROALLYL LAWSONE □ 2-HYDROXY-3-(3,3-DICHLOROALLYL)-1,4-NAPHTHOQUINONE □ NSC-126771

TOXICITY DATA with REFERENCE:

oms-mus:leu 6300 nmol/L CNREA8 39,4868,79

orl-rat LD50:281 mg/kg NCISP* JAN86

orl-mus LD50:192 mg/kg NCISP* JAN86

ipr-mus LD50:37,780 $\mu\text{g}/\text{kg}$ NCISP* JAN86

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- . See also ALLYL COMPOUNDS.

DFN700 CAS: 1122-17-4 HR: 3
DICHLOROMALEIC ANHYDRIDE

mf: $\text{C}_4\text{Cl}_2\text{O}_3$ mw: 166.95

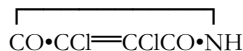


SAFETY PROFILE: Mixtures with sodium chloride + urea undergo vigorous exothermic reaction above 118°C . When heated to decomposition it emits toxic fumes of Cl^- . See also ANHYDRIDES.

DFN800 CAS: 1193-54-0 HR: 3
DICHLOROMALEIMIDE

mf: $\text{C}_4\text{HCl}_2\text{NO}_2$ mw: 165.96

PROP: A solid. Mp: 175° .



SYNS: DICHLOROMALEINIMIDE □ 3,4-DICHLORO-2,5-PYRROLIDINEDIONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:31 mg/kg ARTODN 37,15,76

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

DFN850 CAS: 13063-43-9 HR: 3
DICHLOROMALONONITRILE

mf: $\text{C}_3\text{Cl}_2\text{N}_2$ mw: 134.95

SYN: MALONONITRILE, DICHLORO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:10 mg/kg CSLNX* NX#02779

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

DFO000 CAS: 528-74-5 HR: 2
3',5'-DICHLOROMETHOTREXATE

mf: $\text{C}_{20}\text{H}_{20}\text{Cl}_2\text{N}_8\text{O}_5$ mw: 523.38

SYNS: DCM □ DICHOROAMETHOPTERIN □ 3',5'-DICHLOROAMETHOPTERIN □ 3',5'-DICHLORO-4-AMINO-4-DEOXY-N₁₀-METHYLPTEROGLUTAMIC ACID □ N-(3,5-DICHLORO-4-((2,4-DIAMINO-6-PTERIDINYL METHYL)-

METHYLAMINO)BENZOYL)GLUTAMIC ACID □ DICHORO-METHOTREXATE □ NCI-C04875 □ NSC-29630

TOXICITY DATA with REFERENCE:

mma-sat 1 mg/plate ENMUDM 5(Suppl 1),3,83

ipr-mus LD50:655 mg/kg NCISP* JAN86

ivn-mus LD50:1021 mg/kg NTIS** PB82-172644

CONSENSUS REPORTS: NCI Carcinogenesis Studies (ipr): Equivocal Evidence: rat; No Evidence: mouse CANCAR 40,1935,77.

SAFETY PROFILE: Moderately toxic by intraperitoneal and intravenous routes. Questionable carcinogen with experimental tumorigenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .

DFO200 CAS: 72595-99-4 HR: D
DICHLORO(4-METHOXYCARBONYL-o-PHENYLENEDIAMMINE)PLATINUM(II)

mf: $\text{C}_8\text{H}_{10}\text{Cl}_2\text{N}_2\text{O}_2\text{Pt}$ mw: 432.19

PROP: IDLH 4 mg/ m^3 (as Pt).

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/L JMCAR 23,459,80

SAFETY PROFILE: Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DFO400 CAS: 72595-97-2 HR: D
DICHLORO(4-METHOXY-o-PHENYLENEDIAMMINE)PLATINUM(II)

mf: $\text{C}_7\text{H}_{10}\text{Cl}_2\text{N}_2\text{OPt}$ mw: 404.18

PROP: IDLH 4 mg/ m^3 (as Pt).

TOXICITY DATA with REFERENCE:

mno-sat 2200 nmol/L JMCAR 23,459,80

SAFETY PROFILE: Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DFO600 CAS: 56776-25-1 HR: 3
((2,3-DICHLORO-4-METHOXYPHENYL)-2-FURANYLMETHANONE)-o-(2-(DIETHYLAMINO)ETHYL) OXIME, MONOMETHANE SULFONATE

mf: $\text{C}_{18}\text{H}_{22}\text{Cl}_2\text{N}_2\text{O}_5\cdot\text{CH}_4\text{O}_3\text{S}$ mw: 481.43

SYNS: ANP 4364 □ (DICHLORO-2,3-METHOXY-4) PHENYL FURYL-2-O-(DIETHYLAMINOETHYL)-CETONE-OXIME (FRENCH)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:110 mg/kg EJTXAZ 8,122,75

ivn-mus LD50:6 mg/kg EJTXAZ 8,188,75

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

DFO800 CAS: 2164-09-2 HR: 2
3',4'-DICHLORO-2-METHYLACRYLANILIDE

mf: $\text{C}_{10}\text{H}_9\text{Cl}_2\text{NO}$ mw: 230.10

PROP: Solid. Insol in water but sol in acetone, alcohol, isophorone, DMSO. Mp: 128° .

SYNS: CHLORANOCRYL □ DCM □ DCMA □ 3,4-DICHLORO-ANILIDE- α -METHYLACRYLIC ACID □ 3',4'-DICHLORO-2-

METHACRYLANILIDE □ N-(3,4-DICHLOROPHENYL)-
METHACRYLAMIDE □ N-(3,4-DICHLOROPHENYL)-2-METHYL-
2-PROPENAMIDE □ DICRYL □ METHACRYLIC ACID-3,4-
DICHLOROANILIDE □ NIA 4556 □ NIAGARA 4556

TOXICITY DATA with REFERENCE:

orl-rat LD50:1800 mg/kg WRPCA2 9,119,70
skn-rat LD50:1780 mg/kg 31ZOAD 1,155,68
orl-mus LD50:410 mg/kg GTPZAB 21(12),30,77
ipr-mus LD50:3000 mg/kg ARZNAD 14,668,64
skn-rbt LD50:10 g/kg PCOC** -,375,66

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

DFO900 CAS: 7651-91-4 HR: 3
N,N-DICHLOROMETHYLAMINE

mf: CH₃Cl₂N mw: 99.95

PROP: Yellow liquid. Bp: 59–60°.

SAFETY PROFILE: Explodes on contact with water, sodium sulfide, or calcium hypochlorite. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

DFP200 CAS: 593-89-5 HR: 3
DICHLOROMETHYLARSINE

DOT: NA 1556

mf: CH₃AsCl₂ mw: 160.86

PROP: Colorless liquid. Bp: 89–91° @ 200 mm, fp: –59°, flash p: >221°F, d: 1.84 @ 20°/4°, vap press: 10 mm @ 24.3°, vap d: 5.40, mp: –42.5°.

SYNS: ARSINOUS DICHLORIDE, METHYL-(9Cl) □ METHYLARSINE DICHLORIDE □ METHYLARSONOUS DICHLORIDE □ METHYLDICHLORARSINE □ METHYLDICHLOROARSINE (DOT) □ TL 294

TOXICITY DATA with REFERENCE:

ihl-mus LC50:2700 mg/m³/10M NTIS** PB158-508

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

OSHA PEL: TWA 0.5 mg/(As)/m³

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison irritant to skin, eyes, and mucous membranes and poison by ingestion and inhalation. A blistering type of military poison. It is rapidly detoxified in the body. A moderately persistent gas. Combustible when exposed to heat or flame. To fight fire, use water, foam, CO₂, dry chemical. Explosive reaction with chlorine. Can react vigorously with oxidizing materials. Dangerous; when heated to decomposition or on contact with acid or acid fumes it emits highly toxic fumes of Cl⁻ and As. See also CHLOROVINYLSARSINE DICHLORIDE and ARSENIC COMPOUNDS.

DFP500 HR: 3
1-(2,4-DICHLORO-β-(p-METHYLBENZYLOXY)-PHENETHYL)IMIDAZOLE NITRATE

mf: C₁₉H₁₈Cl₂N₂O•HNO₃ mw: 424.31

TOXICITY DATA with REFERENCE:

orl-rat LD50:915 mg/kg IYKEDH 12,933,81
ipr-rat LD50:240 mg/kg IYKEDH 12,933,81
scu-rat LD50:1420 mg/kg IYKEDH 12,933,81
ivn-rat LD50:50 mg/kg IYKEDH 12,933,81

orl-mus LD50:720 mg/kg IYKEDH 12,933,81
ipr-mus LD50:180 mg/kg IYKEDH 12,933,81
scu-mus LD50:840 mg/kg IYKEDH 12,933,81
ivn-mus LD50:42 mg/kg IYKEDH 12,933,81

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⁻ and NO_x. See also NITRATES.

DFP550 CAS: 112309-62-3 HR: D
3-(DICHLOROMETHYL)-4,4-DICHLORO-2-BUTENOIC ACID

mf: C₅H₄Cl₄O₂ mw: 237.89

SYN: 2-BUTENOIC ACID, 4,4-DICHLORO-3-(DICHLOROMETHYL)-

TOXICITY DATA with REFERENCE:

mic-sat 1050 nmol/plate EMMUEG 11,225,1988

mic-sat 100 μLg/plate MUREAV 417,31,1998

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

DFP600 CAS: 58-54-8 HR: 3
2,3-DICHLORO-4-(2-METHYLENEBUTYRL)-PHENOXY ACETIC ACID

mf: C₁₃H₁₂Cl₂O₄ mw: 303.15

PROP: A solid. Mp: 122°.

SYNS: CRINURYL □ (2,3-DICHLORO-4-(2-METHYLENEBUTYRYL)PHENOXY)ACETIC ACID □ (2,3-DICHLORO-4-(2-METHYLENE-1-OXOBUTYL)PHENOXY)ACETIC ACID □ EDECRI □ EDECRI □ EDECRI □ ENDECRI □ ETACRICINIC ACID □ ETAKRICINIC ACID □ ETHACRYNIC ACID □ HIDROMEDIN □ HYDROMEDIN □ (4-(2-METHYLENEBUTYRYL)-2,3-DICHLOROPHENOXY)ACETIC ACID □ METHYLENEBUTYRYL PHENOXYACETIC ACID □ MINGIT □ MK-595 □ OTACRI □ REOMAX □ TALADREN □ UREGIT

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:4 mg/kg:EAR AIMDAP 117,715,66
orl-man TDLo:3 mg/kg:EAR,KID AIMDAP 117,715,66
ivn-wmn TDLo:3 mg/kg:EAR AIMDAP 117,715,66
orl-rat LD50:1 g/kg YAKUD5 21,775,79
ipr-rat LD50:43 mg/kg OYYAA2 2,411,68
orl-mus LD50:627 mg/kg MEIEDD 10,539,83
ivn-mus LD50:176 mg/kg MEIEDD 10,539,83

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Human systemic effects by ingestion and intravenous routes: urine volume increase, impaired hearing, and tinnitus (ringing in the ears). A diuretic. When heated to decomposition it emits toxic fumes of Cl⁻.

DFP800 CAS: 1123-61-1 HR: 3
DICHLORO-N-METHYLMALIMIDE

mf: C₅H₃Cl₂NO₂ mw: 179.99

SYNS: 2,3-DICHLORO-N-METHYLMALIMIDE □ N-METHYLDICHLOROMALIMIDE

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:3100 μg/kg (9D preg):REP ARTODN 37,15,76
ipr-mus TDLo:3100 μg/kg (9D preg):TER ARTODN 37,15,76
ipr-mus LD50:4 mg/kg ARTODN 37,15,76
ivn-mus LD50:10 mg/kg CSLNX* NX#03682

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DFQ000 CAS: 4885-02-3 HR: 2
 α,α -DICHLOROMETHYL METHYL ETHER

mf: $\text{C}_2\text{H}_4\text{Cl}_2\text{O}$ mw: 114.96

PROP: A liquid. Bp: 82–84°.

SYNS: BIS(CHLOROPHENYL) ETHER \square α,α -DICHLORO-METHYL ETHER

TOXICITY DATA with REFERENCE:

skn-mus TDLo:40 mg/kg:ETA ANYAA9 163,633,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. See also ETHERS and CHLORIDES. When heated to decomposition it emits toxic fumes of Cl^- .

DFQ100 CAS: 76738-28-8 HR: 2
d-threo-2-(DICHLOROMETHYL)- α -(p-NITRO-PHENYL)-2-OXAZOLINE-4-METHANOL

mf: $\text{C}_{11}\text{H}_{10}\text{Cl}_2\text{N}_2\text{O}_4$ mw: 305.13

SYN: d-threo-2-DICHLOROMETIL-4-((4'-NITROFENIL)-OSSIMETIL)-2-OSSAZOLINA (ITALIAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:6 g/kg FRPSAX 10,3,55

orl-mus LD50:5700 mg/kg FRPSAX 10,3,55

ipr-mus LD50:4 g/kg FRPSAX 10,3,55

orl-gpg LD50:1000 mg/kg FRPSAX 10,3,55

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

DFQ200 CAS: 84-57-1 HR: 2
2,5-DICHLORO-4-(3-METHYL-5-OXO-2-PYRAZOLIN-1-YL) BENZENESULFONIC ACID

mf: $\text{C}_{10}\text{H}_8\text{Cl}_2\text{N}_2\text{O}_4\text{S}$ mw: 323.16

SYNS: 2,5-DICHLORO-4-(4,5-DIHYDRO-3-METHYL-5-OXO-1H-PYRAZOL-1-YL)BENZENESULFONIC ACID \square DICHLORSULFO-FENYL-METHYL-PYRAZOLON (CZECH) \square KYSELINA 2,5-DICHLOR-4-(3'-METHYL-5'-PYRAZOLON-1'-YL)BENZEN-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,186,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A severe eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of SO_x , NO_x , and Cl^- .

DFQ400 CAS: 57948-13-7 HR: 3
DICHLORO(4-METHYL-o-PHENYLENEDI-AMMINE)PLATINUM(II)

mf: $\text{C}_7\text{H}_{10}\text{Cl}_2\text{N}_2\text{Pt}$ mw: 388.18

PROP: IDLH 4 mg/ m^3 (as Pt).

TOXICITY DATA with REFERENCE:

mno-sat 2500 nmol/L JMCMA 23,459,80

ipr-mus LD50:23 mg/kg RCRVAB 50,353,81

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DFQ500 CAS: 62865-36-5 HR: 2
6-(3,5-DICHLORO-4-METHYLPHENYL)-3(2H)-PYRIDAZINONE

mf: $\text{C}_{11}\text{H}_8\text{Cl}_2\text{N}_2\text{O}$ mw: 255.11

SYNS: DICLOMEZINE \square F-850 \square MONGUARD \square 3(2H)-PYRIDAZINONE, 6-(3,5-DICHLORO-4-METHYLPHENYL)- \square SF-7531

TOXICITY DATA with REFERENCE:

orl-rat LD50:12 g/kg JPIFAN (52),31,88

ihl-rat LC50:821 mg/ m^3 /4H NNGADV 13,625,88

skn-rat LD50:5 g/kg JPIFAN (52),31,88

ipr-rat LD50:>12 g/kg NNGADV 13,625,88

scu-rat LD50:>12 g/kg NNGADV 13,625,88

orl-mus LD50:5957 mg/kg NNGADV 13,625,88

ipr-mus LD50:6951 mg/kg NNGADV 13,625,88

scu-mus LD50:>21 g/kg NNGADV 13,625,88

SAFETY PROFILE: Moderately toxic by inhalation. Low toxicity by ingestion and skin contact.

DFQ800 CAS: 149-74-6 HR: 3
DICHLOROMETHYLPHENYLSILANE
DOT: UN 2437

mf: $\text{C}_7\text{H}_8\text{Cl}_2\text{Si}$ mw: 191.14

PROP: Colorless liquid. D: 1.18 @ 20°/4°, bp: 205°.

SYNS: METHYLPHENYLDICHLOROSILANE (DOT) \square PHENYLMETHYLDICHLOROSILANE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:100 mg/kg 85GMAT -,99,82

ihl-mus LCLo:200 mg/ m^3 /2H 85GMAT -,99,82

ipr-mus LDLo:100 mg/kg 85GMAT -,99,82

ihl-mus LCLo:170 mg/ m^3 /2H 85JCAE -,1230,86

scu-mus LDLo:100 mg/kg 85GMAT -,99,82

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

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by inhalation, subcutaneous, and intraperitoneal routes. Corrosive to eyes, skin, and mucous membranes. Flammable liquid. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROSILANES.

DFR400 CAS: 10141-22-7 HR: 3
2,3-DICHLORO-2-METHYLPROPIONALDEHYDE
 mf: $\text{C}_4\text{H}_6\text{Cl}_2\text{O}$ mw: 141.00

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:1620 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:250 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:360 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 toxic fumes of Cl^- . See also ALDEHYDES.

DFS000 CAS: 75-54-7 HR: 3
DICHLOROMETHYLSILANE

DOT: UN 1242mf: CH₄Cl₂Si mw: 115.04**PROP:** Colorless liquid; acrid hydrochloric acid-like odor. Bp: 41°, d: 1.10 @ 20/4°, mp: -93°, flash p: -26°F. Sol in benzene, ether, and heptane.**SYNS:** METHYL DICHLOROSILANE (DOT) □ METHYL-DICHLORSILAN (CZECH)**TOXICITY DATA with REFERENCE:**

skn-rbt 2 mg/24H SEV 85JCAE -,1218,86
 eye-rbt 20 mg/24H MOD 85JCAE -,1218,86
 orl-rat LD50:2830 µL/kg JACTDZ 12,572,93
 ihl-rat LC50:300 ppm/4H 85JCAE -,1218,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 4.3; Label: Danger When Wet, Corrosive, Flammable Liquid**SAFETY PROFILE:** Moderately toxic by inhalation. Corrosive. A severe irritant to skin, eyes, and mucous membranes. Ignites spontaneously in air. A very dangerous fire hazard when exposed to heat or flame. Forms impact-sensitive explosive mixtures with potassium permanganate, lead(II) oxide, lead(IV) oxide, copper oxide, silver oxide. To fight fire, use water, foam, CO₂, mist. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANE.**DFS200 CAS: 2700-89-2 HR: 3**
1,2-DICHLORO-1-(METHYLSULFONYL)-ETHYLENEmf: C₃H₄Cl₂O₂S mw: 175.03**SYN:** CHEMAGRO D-113**TOXICITY DATA with REFERENCE:**

skn-rat 500 mg SEV 34ZIAG -,161,69
 orl-rat LD50:61 mg/kg 34ZIAG -,161,69
 skn-rat LD50:500 mg/kg 34ZIAG -,161,69
 ipr-rat LD50:12,500 µg/kg 34ZIAG -,161,69
 ipr-mus LD50:12,500 µg/kg 34ZIAG -,161,69
 orl-gpg LD50:40 mg/kg 34ZIAG -,161,69
 ipr-gpg LD50:12,500 µg/kg 34ZIAG -,161,69

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. A severe skin irritant. When heated to decomposition it emits very toxic fumes of SO_x and Cl⁻.**DFS600 CAS: 31335-41-8 HR: 2**
DICHLOROMETHYL TRICHLOROMETHYL-THIOSULFONEmf: C₂HCl₅O₂S₂ mw: 298.40**SYNS:** DICHLOROMETHANETHIOSULFONIC ACID-S-TRICHLOROMETHYL ESTER □ TRICHLORMETHYLESTER KYSELINY DICHLORMETHANTHIOSULFONOVE (CZECH)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,198,72
 eye-rbt 20 mg/24H MOD 28ZPAK -,198,72
 orl-rat LD50:3620 mg/kg 28ZPAK -,198,72

SAFETY PROFILE: Moderately toxic by ingestion. A skin and eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.**DFS700 CAS: 675-62-7 HR: 3**
DICHLOROMETHYL-3,3,3-TRIFLUORO-**PROPYLSILANE**mf: C₄H₇Cl₂F₃Si mw: 211.10**SYN:** SILANE, DICHLOROMETHYL(3,3,3-TRIFLUOROPROPYL)-**TOXICITY DATA with REFERENCE:**ihl-mus LC50:300 mg/m³/2H 85JCAE -,1223,86**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by inhalation. When heated to decomposition it emits toxic vapors of F⁻ and Cl⁻.**DFS800 CAS: 124-70-9 HR: 3**
DICHLOROMETHYLVINYLSILANEmf: C₃H₆Cl₂Si mw: 141.08**PROP:** A liquid. Flash p: -1°C, d: 1.08 @ 20°/4°, bp: 92°.**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#03620

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. A very dangerous fire hazard when exposed to heat, flame or oxidizers. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.**DFT000 CAS: 117-80-6 HR: 3**
2,3-DICHLORO-1,4-NAPHTHOQUINONEmf: C₁₀H₄Cl₂O₂ mw: 227.04**PROP:** Golden-yellow crystals or needles from alc. Mp: 194-195°, vap d: 7.8. Insol in water; moderately sol in org solvs.**SYNS:** ALGISTAT □ COMPOUND 604 □ DICHLONE (DOT) □ 2,3-DICHLOR-1,4-NAPHTHOCHINON (GERMAN) □ 2,3-DICHLORO-1,4-NAPHTHALENE-1,4-DIONE □ 2,3-DICHLORO-1,4-NAPHTHAQUINONE □ DICHLORONAPHTHOQUINONE □ 2,3-DICHLORONAPHTHOQUINONE □ 2,3-DICHLORO-α-NAPHTHOQUINONE □ 2,3-DICHLORONAPHTHOQUINONE-1,4 □ ENT 3,776 □ PHYGON □ PHYGON PASTE □ PHYGON SEED PROTECTANT □ PHYGON XL □ QUINTAR □ QUINTAR 540F □ SANQUINON □ UNIROYAL □ USR 604 □ U.S. RUBBER 604**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:3300 mg/kg/78W-I:NEO NTIS** PB223-159

scu-mus TDLo:22 mg/kg:CAR NTIS** PB223-159

orl-rat LD50:160 mg/kg GTPZAB 16(5),52,72

orl-mus LD50:440 mg/kg 85GMAT -,47,82

ipr-mus LD50:30 mg/kg JMCMA 26,570,83

skn-rbt LD50:5000 mg/kg FMCHA2 -,C77,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Mildly toxic by skin contact. A skin, eye, and mucous membrane irritant. Large doses can cause central nervous system depression. Questionable carcinogen with experimental carcinogenic and neoplastigen data. A fungicide and algicide. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORIDES.**DFT400 CAS: 89-61-2 HR: 2**

1,4-DICHLORO-2-NITROBENZENEmf: C₆H₃Cl₂NO₂ mw: 192.00**PROP:** Prisms or plates from EtOH or EtOAc. D: 1.439 @ 75°/4°, mp: 56°, bp: 267°.**SYNS:** 2,5-DICHLORNITROBENZEN (CZECH) □ 2,5-DICHLORONITROBENZENE □ NITRO-*p*-DICHLORO-BENZENE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,94,72

eye-rbt 100 mg/24H MOD 28ZPAK -,94,72

mmo-sat 205 µg/plate MUREAV 116,217,83

orl-rat LD50:1210 mg/kg 28ZPAK -,94,72

orl-mus LD50:2850 mg/kg GTPZAB 25(8),50,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. A skin and eye irritant. Mutation data reported. See also CHLORINATED HYDROCARBONS, AROMATIC; and NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DFT033 CAS: 61583-29-7 HR: D
DICHLORO(2,3-NAPHTHYLENEDIAMMINE)-
PLATINUM(II)**mf: C₁₀H₁₀Cl₂N₂Pt mw: 424.21**PROP:** IDLH 4 mg/m³ (as Pt).**SYN:** PLATINUM (II), DICHLORO(2,3-NAPHTHYLENE-DIAMMINE)-**TOXICITY DATA with REFERENCE:**

mic-sat 1200 nmol/L JMCAR 23,459,1980

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, Pt, and Cl⁻.**DFT053 CAS: 122587-20-6 HR: D
3,4-DICHLORO-5-NITRO-2-ACETYL FURAN**mf: C₆H₃Cl₂NO₄ mw: 224.00**SYNS:** 1-(3,4-DICHLORO-5-NITRO-2-FURANYL)ETHANONE □ ETHANONE, 1-(3,4-DICHLORO-5-NITRO-2-FURANYL)-**TOXICITY DATA with REFERENCE:**

mic-sat 1 µLg/plate EMMUEG 25,58,1995

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DFT100 CAS: 6627-34-5 HR: 3
2,5-DICHLORO-4-NITROANILINE**mf: C₆H₄Cl₂N₂O₂ mw: 207.02**SYN:** ANILINE, 2,5-DICHLORO-4-NITRO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2820 mg/kg 85JCAE -,599,86

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⁻.**DFT200 CAS: 3209-22-1 HR: D
2,3-DICHLORONITROBENZENE**mf: C₆H₃Cl₂NO₂ mw: 192.00**SYN:** BENZENE, 1,2-DICHLORO-3-NITRO-**TOXICITY DATA with REFERENCE:**

mmo-sat 3333 µg/plate ENMUDM 5(Suppl 1),3,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DFT600 CAS: 99-54-7 HR: 2
1,2-DICHLORO-4-NITROBENZENE**mf: C₆H₃Cl₂NO₂ mw: 192.00**PROP:** Liquid or needles from EtOH or CCl₄. Vap d: 6.6, mp: 42–43°, bp: 255–256°.**SYNS:** DCNB □ 3,4-DICHLORNITROBENZEN (CZECH) □ 3,4-DICHLORONITROBENZENE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,94,72

eye-rbt 100 mg/24H MOD 28ZPAK -,94,72

mmo-sat 500 µg/plate AECTCV 9,533,80

mma-sat 500 µg/plate AECTCV 9,533,80

sln-dmg-par 200 ppm ENMUDM 7,677,85

orl-rat LD50:643 mg/kg 28ZPAK -,94,72

orl-mus LD50:1384 mg/kg 85GMAT -,47,82

skn-cat LD50:790 mg/kg 85GMAT -,47,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A skin and eye irritant. Mutation data reported. Potentially explosive reactions when heated with hydrogen + a catalyst. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC; and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**DFT800 CAS: 1836-75-5 HR: 3
2,4-DICHLORO-4'-NITRODIPHENYL ETHER**mf: C₁₂H₇Cl₂NO₃ mw: 284.10**PROP:** Crystals or solid. Mp: 70–71°. Very sltly sol in H₂O.**SYNS:** 2,4'-DICHLORO-4-NITROBIPHENYL ETHER □ 2,4-DICHLORO-1-(4-NITROPHENOXY)BENZENE □ 4-(2,4-DICHLOROPHENOXY)NITROBENZENE □ 2,4-DICHLORO-PHENYL-*p*-NITROPHENYL ETHER □ 2,4-DICHLOROPHENYL-4-NITROPHENYL ETHER □ 2,4'-DICHLOROPHENYL-4-NITROPHENYLAEETHER (GERMAN) □ FW 925 □ MEZOTOX □ NCI-C00420 □ NICLOFEN □ NIP □ NITOFEN □ NITRAFEN □ NITRAPHEN □ NITROCHLOR □ 4'-NITRO-2,4-DICHLORO-DIPHENYL ETHER □ NITROFEN □ NITROFENE (FRENCH) □ NITROPHEN □ NITROPHENE □ PREPARATION 125 □ TOK □ TOK-2 □ TOK E □ TOK E-25 □ TOK E 40 □ TOKKORN □ TOK WP-50 □ TRIZILIN**TOXICITY DATA with REFERENCE:**

mmo-sat 33,300 ng/plate ENMUDM 7(Suppl 5),1,85

mma-sat 10 µg/plate ENMUDM 7(Suppl 5),1,85

otr-rat:emb 1500 ng/plate JJATDK 1,190,81

orl-rat TDLo:42 g/kg/94W-C:CAR NCITR* NCI-CG-TR-26,78

orl-rat LD50:740 mg/kg HYSAAV 32,20,67

skn-rat LD50:5000 mg/kg AEHLAU 28,316,74

unk-rat LD50:3000 mg/kg 30ZDA9 -,109,71

orl-mus LD50:450 mg/kg HYSAAV 32,20,67
 orl-cat LDLo:300 mg/kg HYSAAV 32,20,67
 ihl-cat LCLo:620 mg/m³/4H HYSAAV 32,20,67
 orl-rbt LD50:1620 mg/kg 28ZEAL 5,166,76

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 30,271,83. NCI Carcinogenesis Bioassay (feed); No Evidence: rat NCITR* NCI-CG-TR-184,79; Clear Evidence: mouse, rat NCITR* NCI-CG-TR-26,78; Clear Evidence: mouse NCITR* NCI-CG-TR-184,79. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Poison by ingestion. Moderately toxic by inhalation and possibly other routes. Experimental teratogenic and reproductive effects. A skin and severe eye irritant. Mutation data reported. A broad-spectrum herbicide. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and ETHERS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DFU000 CAS: 594-72-9 HR: 3

1,1-DICHLORO-1-NITROETHANE

DOT: UN 2650

mf: C₂H₃Cl₂NO₂ mw: 143.96

PROP: Liquid. Bp: 124°, flash p: 168°F(OC), d: 1.4153 @ 20°/20°, vap d: 4.97. IDLH 25 ppm.

SYNS: 1,1-DICHLOR-1-NITROETHAAN (DUTCH) □ 1,1-DICHLOR-1-NITROAETHAN (GERMAN) □ DICHLORONITROETHANE □ 1,1-DICLORO-1-NITROETANO (ITALIAN) □ ETHIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:410 mg/kg BESAAT 12,161,66
 ipr-mus LD50:240 mg/kg KHFZAN 10(6),53,76
 orl-rbt LDLo:150 mg/kg JIHTAB 27,95,45
 ihl-rbt LCLo:580 mg/m³/6H JIHTAB 27,95,45
 ihl-gpg LCLo:580 mg/m³/6H JIHTAB 27,95,45

OSHA PEL: TWA 2 ppm

ACGIH TLV: TWA 2 ppm

DFG MAK: 10 ppm (60 mg/m³)

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by inhalation. A strong irritant. Inhalation causes pulmonary edema. A fumigant for produce. Flammable when exposed to heat, flame, or oxidizers. Can react vigorously with oxidizing materials. To fight fire, use water, CO₂, dry chemical. When heated to decomposition it emits highly toxic fumes of Cl⁻ and NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: see 1,1-Dichloro-1-nitroethane, 1601.

DFU400 CAS: 6240-55-7 HR: 2

1,2-DICHLORO-3-NITRONAPHTHALENE

mf: C₁₀H₅Cl₂NO₂ mw: 242.06

PROP: Crystals from MeOH. Mp: 125–126°

TOXICITY DATA with REFERENCE:

orl-rat TDLo:13 g/kg/52W-I:ETA,REP JNCIAM 41,985,68

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DFU600 CAS: 609-89-2 HR: 3

2,4-DICHLORO-6-NITROPHENOL

mf: C₆H₃Cl₂NO₃ mw: 208.00

PROP: Yellow crystals from AcOH. Mp: 124–125°.

SYN: 2,4-DICHLOR-6-NITROFENOL (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV 28ZPAK -,80,72
 orl-rat LD50:129 mg/kg 28ZPAK -,80,72

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

SAFETY PROFILE: Poison by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also CHLOROPHENOLS and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DFU800 CAS: 37169-10-1 HR: 3

2,4-DICHLORO-6-NITROPHENOL ACETATE

mf: C₈H₅Cl₂NO₄ mw: 250.04

SYN: 2,4-DICHLOR-6-NITROFENYLESTER KYSELINY OCTIVE (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,93,72
 eye-rbt 20 mg/24H MOD 28ZPAK -,93,72
 orl-rat LD50:96 mg/kg 28ZPAK -,93,72

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

SAFETY PROFILE: Poison by ingestion. A skin and eye irritant. See also CHLOROPHENOLS and NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DFV000 CAS: 72596-02-2 HR: D

DICHLORO(4-NITRO-*o*-PHENYLENE)DI-AMMINE)PLATINUM(II)

mf: C₆H₇Cl₂N₃O₂Pt mw: 419.15

PROP: IDLH 4 mg/m³ (as Pt).

TOXICITY DATA with REFERENCE:

mno-sat 2 nmol/L JMCMA 23,459,80

SAFETY PROFILE: Mutation data reported. See also PLATINUM COMPOUNDS and NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DFV200 CAS: 14094-48-5 HR: 2

6,7-DICHLORO-4-NITROQUINOLINE-1-OXIDE

mf: C₉H₄Cl₂N₂O₃ mw: 259.05

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

See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DFV400 CAS: 50-65-7 HR: 3
2',5-DICHLORO-4-NITROSALICYLANILIDE

mf: $C_{13}H_8Cl_2N_2O_4$ mw: 327.13

PROP: Pale-yellow crystals. Mp: 225–230°. Sltly sol in EtOH, $CHCl_3$, and Et_2O .

SYNS: BAY 2353 □ BAYER 73 □ BAYER 2353 □ BAYLUSCID □ CHEMAGRO 2353 □ 5-CHLORO-N-(2-CHLORO-4-NITRO-PHENYL)-2-HYDROXYBENZAMIDE □ 5-CHLORO-2'-CHLORO-4'-NITROSALICYLANILIDE □ 2-CHLORO-4-NITROPHENYL-AMIDE-6-CHLOROSALICYLIC ACID □ N-(2-CHLORO-4-NITROPHENYL)-5-CHLOROSALICYLAMIDE □ CLONITRALID □ 2',5-DICHLOR-4'-NITRO-SALIZYLSAEUREANILID (GERMAN) □ DICHLOSALE □ ENT 25,823 □ FENASAL □ HL 2447 □ 2-HYDROXY-5-CHLORO-N-(2-CHLORO-4-NITROPHENYL)BENZ-AMIDE □ IOMESAN □ IOMEZAN □ NICLOSAMIDE □ PHENASAL □ VERMITIN □ YOMESAN

TOXICITY DATA with REFERENCE:

cyt-hmn:lym 6 mL/L MUREAV 173,81,86
 sce-hmn:lym 8 mg/L MUREAV 173,81,86
 orl-rat LD50:2500 mg/kg 85JFAN A297,83
 ipr-rat LD50:250 mg/kg ZTMPA5 13,1,62
 orl-mus LD50:1000 mg/kg 85DPAN -,71/76
 ivn-mus LD50:7500 µg/kg ARZNAD 10,884,60

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 Cl^- and NO_x .

DFV600 CAS: 1420-04-8 HR: 3
2',5-DICHLORO-4'-NITROSALICYLANILIDE-2-AMINOETHANOL SALT

mf: $C_{13}H_8Cl_2N_2O_4 \cdot C_2H_7NO$ mw: 388.23

PROP: A solid. Mp: 204°.

SYNS: BAYER 73 □ BAYER 25648 □ BAYLUSCID □ BAYLUSCIDE □ 5-CHLORO-N-(2-CHLORO-4-NITROPHENYL)-2-HYDROXYBENZAMIDE with 2-AMINOETHANOL (1:1) □ CLONITRALID □ 5,2'-DICHLORO-4'-NITROSALICYLANILIDE ETHANOLAMINE SALT □ 5,2-DICHLORO-4-NITROSALICYLIC ANILIDE-2-AMINOETHANOL SALT □ 2',5-DICHLORO-4'-NITROSALICYLOYLANILIDE ETHANOLAMINE SALT □ ETHANOLAMINE SALT of 5,2'-DICHLORO-4'-NITROSALICYCLICANILIDE □ M 73 □ MOLLUSCICIDE BAYER 73 □ NCI-C00431 □ NICLOSAMIDE □ SR 73

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg 85ARAE 3,103,76/77
 ipr-rat LD50:250 mg/kg GUCHAZ 6,126,73

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (feed); Inadequate Studies: mouse, rat NCITR* NCI-CG-TR-91,78.

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

DFV800 CAS: 100836-84-8 HR: D
3,4-DICHLORO-N-NITROSCARBANILIC ACID METHYL ESTER

mf: $C_8H_6Cl_2N_2O_3$ mw: 249.06

SYN: NITROSOSWEP

TOXICITY DATA with REFERENCE:

mmo-sat 1 µL/plate MUREAV 48,225,77

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

DFW000 CAS: 69112-96-5 HR: 2
2,2'-DICHLORO-N-NITROSODIPROPYLAMINE

mf: $C_6H_{12}Cl_2N_2O$ mw: 199.10

SYN: NITROSOBIS(2-CHLOROPROPYL)AMINE

TOXICITY DATA with REFERENCE:

mmo-sat 10 µg/plate MUREAV 66,1,79

mma-sat 10 µg/plate MUREAV 66,1,79

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

DFW200 CAS: 57541-72-7 HR: 2
3,4-DICHLORONITROSODIPYPERIDINE

mf: $C_5H_8Cl_2N_2O$ mw: 183.05

SYN: N-NITROSO-3,4-DICHLORODIPYPERIDINE

TOXICITY DATA with REFERENCE:

mmo-sat 200 µg/plate MUREAV 56,131,77

mma-sat 10 nmol/plate MUREAV 57,85,78

sln-dmg-ori 200 µmol/L/24H MUREAV 67,27,79

sce-hmn:lym 100 µmol/L TCMUE9 1,129,84

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. Many N-nitroso compounds are carcinogens. See also N-NITROSO COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DFW600 CAS: 59863-59-1 HR: 2
3,4-DICHLORO-N-NITROSOPYRROLIDINE

mf: $C_4H_6Cl_2N_2O$ mw: 169.02

TOXICITY DATA with REFERENCE:

mma-sat 250 µg/plate MUREAV 89,35,81

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

DFW700 CAS: 73986-52-4 HR: 3
2,6-DICHLORO-4-OCTYLPHENOL

mf: $C_{14}H_{20}Cl_2O$ mw: 275.24

SYN: PHENOL, 2,6-DICHLORO-4-OCTYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#02525

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

DFW730 CAS: 153436-22-7 HR: 3

4,6-DICHLORO-3-((1E)-3-OXO-3-(PHENYL-AMINO)-1-PROPENYL)-1H-INDOLE-2-CARBOXYLIC ACID,mf: $C_{18}H_{12}Cl_2N_2O_3$ mw: 375.21**TOXICITY DATA with REFERENCE:**

ivn-mus TDLo:0.06 mg/kg FRMCE8 56,791,2001

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .**DFW800 CAS: 10213-09-9 HR: D DICHLOOROOXOVANADIUM**mf: Cl_2OV mw: 137.84**PROP:** Dark green solid (decomp at 3° to form $VOCl_3$ + VOC) or syrupy mass. D: 2.88 @ 13° .**SYNS:** VANADIUM CHLORIDE OXIDE □ VANADIUM DICHLORIDE OXIDE □ VANADIUM OXYCHLORIDE □ VANADIUM OXYDICHLORIDE**TOXICITY DATA with REFERENCE:**

mrc-bcs 400 mmol/L MUREAV 77,109,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**ACGIH TLV:** TWA 0.05 mg(V_2O_5)/ m^3 **NIOSH REL:** (Vanadium Compounds) CL 0.05 mg(V)/ m^3 /15M**SAFETY PROFILE:** Mutation data reported. See also VANADIUM COMPOUNDS and CHLORIDES. Reacts violently with K. When heated to decomposition it emits toxic fumes of Cl^- and VO_x .**DFW830 CAS: 507-55-1 HR: 1 1,3-DICHLORO-1,1,2,2,3-PENTAFLUORO-PROPANE**mf: $C_3HCl_2F_5$ mw: 202.94**SYNS:** HCFC 225BC □ HCFC 225CB □ R 225A □ R 225CB □ PROPANE, 1,3-DICHLORO-1,1,2,2,3-PENTAFLUORO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>5 g/kg IJTOFN 19,367,2000

ihl-rat LC50:31,660 ppm/4H NTIS** OTS0555223

skn-rat LD50:>2 g/kg IJTOFN 19,367,2000

SAFETY PROFILE: Low toxicity by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic vapors of F^- and Cl^- .**DFW850 CAS: 422-56-0 HR: 1 3,3-DICHLORO-1,1,1,2,2-PENTAFLUORO-PROPANE**mf: $C_3HCl_2F_5$ mw: 202.94**SYNS:** R 225B □ R 225CA □ FRON 225 □ HCFC 225CA □ PROPANE, 3,3-DICHLORO-1,1,1,2,2-PENTAFLUORO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>5 g/kg IJTOFN 19,367,2000

ihl-rat LC50:37,300 ppm/4H JJATDK 19,101,1999

skn-rat LD50:>2 g/kg IJTOFN 19,367,2000

SAFETY PROFILE: Low toxicity ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic vapors of F^- and Cl^- .**DFX000 CAS: 30586-10-8 HR: 3 DICHLOROPENTANE DOT: UN 1152**mf: $C_5H_{10}Cl_2$ mw: 141.05**PROP:** Clear, light-yellow liquid. Bp: 130° , flash p: $106^\circ F$ (OC), vap d: 4.86, d: 1.06–1.08 @ 20° .**SYN:** DICHLOROPENTANES (DOT)**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Flammable liquid when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use water, foam, CO_2 , dry chemical. When heated to decomposition it emits highly toxic fumes of Cl^- and phosgene. See also 1,5-DICHLOROPENTANE, and CHLORINATED HYDROCARBONS, ALIPHATIC.**DFX200 CAS: 628-76-2 HR: 3 1,5-DICHLOROPENTANE**mf: $C_5H_{10}Cl_2$ mw: 141.05**PROP:** D: 1.1, vap d: 4.9, bp: 180° , flash p: $>80^\circ F$ (OC). Insol in water.**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:64 mg/kg CBCCT* 2,189,50

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Dangerous fire hazard when exposed to heat or flame. To fight fire, use alcohol foam or spray. Use of water is ineffective except as a blanket. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLORINATED HYDROCARBONS, ALIPHATIC.**DFX400 CAS: 536-29-8 HR: 3 DICHLOROPHENARSINE HYDROCHLORIDE**mf: $C_6H_6AsCl_2NO \cdot ClH$ mw: 290.41**PROP:** White hygroscopic powder from EtOH. Mp: $146-148^\circ$. Sol in H_2O with hydrolysis.**SYNS:** 2-AMINO-4-DICHLOROARSINOPHENOL HYDROCHLORIDE □ (3-AMINO-4-HYDROXYPHENYL)ARSONOUS DICHLORIDE MONOHYDROCHLORIDE □ 3-AMINO-4-HYDROXYPHENYL DICHLORARSINE HYDROCHLORIDE □ (3-AMINO-4-HYDROXYPHENYL)DICHLOROARSINE HYDROCHLORIDE □ ARSECLOR □ CHLORARSOL □ CHLORASEN □ CLORARSEN □ DICHLOROMAPHARSEN □ FILARSEN □ FONTARSOL □ HALARSOL □ R.P. 2591**TOXICITY DATA with REFERENCE:**par-hmn TDLo:957 $\mu g/kg$:GIT JPETAB 73,412,41

orl-rat LDLo:500 mg/kg NCNSA6 5,12,53

ivn-rat LD50:24,500 $\mu g/kg$ AMIUAG 8,196,54

ipr-mus LD50:41 mg/kg PSEBAA 78,392,51

unr-mus LD50:44 mg/kg CNREA8 9,626,49

ivn-rbt LDLo:15 mg/kg JPETAB 73,412,41

CONSENSUS REPORTS: Arsenic and its compounds, as well as chlorophenol compounds, are on the Community Right-To-Know List.**OSHA PEL:** TWA 0.5 mg(As)/ m^3 **ACGIH TLV:** BEI: 35 μ (As)/L inorganic arsenic and methylated metabolites in urine**SAFETY PROFILE:** Poison by intravenous, intraperitoneal, and possibly other routes. Moderately toxic by ingestion. Human systemic effects by parenteral route: hypermotility, diarrhea, nausea, vomiting. See also ARSENIC COMPOUNDS and CHLOROPHENOLS.

When heated to decomposition it emits very toxic fumes of As, NO_x, and Cl⁻.

DFX500 CAS: 576-24-9 HR: 2
2,3-DICHLOROPHENOL

mf: C₆H₄Cl₂O mw: 163.00

TOXICITY DATA with REFERENCE:

orl-mus LD50:2376 mg/kg TOLED5 29,39,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DFX800 CAS: 120-83-2 HR: 3
2,4-DICHLOROPHENOL

mf: C₆H₄Cl₂O mw: 163.00

PROP: Colorless crystals or needles. Mp: 45°, bp: 210°, flash p: 237°F, d: 1.383 @ 60°/25°, vap d: 5.62, vap press: 1 mm @ 53.0°.

SYNS: DCP □ 2,4-DCP □ NCI-C55345 □ RCRA WASTE NUMBER U081

TOXICITY DATA with REFERENCE:

sln-ham:lng 500 μmol/L MUREAV 182,135,87

orl-rat LD50:580 mg/kg FEPA7 2,76,43

ipr-rat LD50:430 mg/kg BJPCAL 13,20,58

scu-rat LD50:1730 mg/kg FEPA7 2,76,43

orl-mus LD50:1276 mg/kg FAATDF 5,478,85

ipr-mus LD50:153 mg/kg JMCAR 18,868,75

CONSENSUS REPORTS: IARC Cancer Review: Human Limited Evidence IMEMDT 41,319,86. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and teratogenic data. Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. An experimental teratogen. Mutation data reported. Combustible when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use alcohol foam, foam, CO₂, dry chemical. When heated to decomposition, or on contact with acid or acid fumes, it emits highly toxic fumes of Cl⁻. See also CHLOROPHENOLS.

DFX850 CAS: 583-78-8 HR: 2
2,5-DICHLOROPHENOL

mf: C₆H₄Cl₂O mw: 163.00

SYN: PHENOL, 2,5-DICHLORO-

TOXICITY DATA with REFERENCE:

sce-mus-ipr 210 mg/kg JACTDZ 2(2),249,83

orl-rat LD50:580 mg/kg NTIS** PB85-143766

orl-mus LD50:946 mg/kg TOLED5 29,39,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DFY000 CAS: 87-65-0 HR: 3
2,6-DICHLOROPHENOL

mf: C₆H₄Cl₂O mw: 163.00

PROP: Needles from pet ether. Mp: 66–67°, bp: 219–220°.

SYNS: 2,6-DICHLORFENOL (CZECH) □ RCRA WASTE NUMBER U082

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,79,72

eye-rbt 250 μg/24H SEV 28ZPAK -,79,72

ipr-rat LD50:390 mg/kg BJPCAL 13,20,58

orl-mus LD50:2120 mg/kg TOLED5 29,39,85

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

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

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

DFY400 CAS: 97-16-5 HR: 3
2,4-DICHLOROPHENOL BENZENESULFONATE

mf: C₁₂H₈Cl₂O₃S mw: 303.16

SYNS: COMPOUND 923 □ 2,4-DICHLOROPHENYL BENZENE-SULFONATE □ 2,4-DICHLOROPHENYL BENZENESULPHON-ATE □ 2,4-DICHLOROPHENYL ESTER of BENZENESULFONIC ACID □ 2,4-DICHLOROPHENYL ESTER BENZENESULPHONIC ACID □ DPBS □ EM 923 □ GENITE □ GENITOL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1000 mg/kg BESAAT 12,117,66

unk-rat LD50:1400 mg/kg 30ZDA9 -,274,71

orl-dog LDLo:620 mg/kg AIPTAK 121,306,59

orl-rbt LD50:700 mg/kg PCOC** -,556,66

ivn-rbt LD50:115 mg/kg AIPTAK 121,306,59

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

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and possibly other routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. An irritant. A pesticide. See also CHLOROPHENOLS. When heated to decomposition it emits very toxic fumes of Cl⁻ and SO_x.

DFY425 CAS: 95-77-2 HR: 2
3,4-DICHLOROPHENOL

mf: C₆H₄Cl₂O mw: 163.00

SYN: PHENOL, 3,4-DICHLORO-

TOXICITY DATA with REFERENCE:

orl-mus LD50:1685 mg/kg TOLED5 29,39,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DFY450 CAS: 591-35-5 HR: 2
3,5-DICHLOROPHENOL

mf: C₆H₄Cl₂O mw: 163.00

SYN: PHENOL, 3,5-DICHLORO-

TOXICITY DATA with REFERENCE:

orl-mus LD50:2389 mg/kg TOLED5 29,39,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DFY500 CAS: 588-22-7 HR: D
3,4-DICHLOROPHENOXYACETIC ACID

mf: $\text{C}_8\text{H}_6\text{Cl}_2\text{O}_3$ mw: 221.04

PROP: Crystals from C_6H_6 . Mp: 138–140°.

SYNS: ACETIC ACID, (3,4-DICHLOROPHENOXY)- □ 3,4-D □ 3,4-DA

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

DFY709 CAS: 1929-73-3 HR: 2
(2,4-DICHLOROPHENOXY)ACETIC ACID
BUTOXYETHYL ESTER

mf: $\text{C}_{14}\text{H}_{18}\text{Cl}_2\text{O}_4$ mw: 321.22

SYNS: BUTOXYETHYL-2,4-DICHLOROPHENOXYACETATE □ 2,4-D BUTOXYETHANOL ESTER □ 2,4-D BUTOXYETHYL ESTER □ 2,4-D 2-BUTOXYETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:831 mg/kg FAATDF 9,423,87

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. When heated to decomposition it emits toxic fumes of Cl^- . See also ESTERS.

DFY800 CAS: 2008-39-1 HR: 3
(2,4-DICHLOROPHENOXY)ACETIC ACID
DIMETHYLAMINE

mf: $\text{C}_{10}\text{H}_{11}\text{Cl}_2\text{NO}_3$ mw: 264.12

SYNS: 2,4-D ACETATE □ 2,4-D AMINE SALT □ BLADEX G □ 2,4-D DIMETHYLAMINE SALT □ DEFY □ DEMISE □ (2,4-DICHLOROPHENOXY)ACETATE DIMETHYLAMINE □ DIMETHYLAMINE SALT of 2,4-D □ DIMETHYLAMMONIUM 2,4-DICHLOROPHENOXYACETATE □ FORMULA 40 □ HORMIN □ PHORDENE □ REED AMINE 400

TOXICITY DATA with REFERENCE:

cyt-hmn:lyms 500 $\mu\text{mol/L}$ MUTAEX 1,241,86

orl-rat LD50:625 mg/kg GISAAA 36(11),33,71

unr-mus LD50:300 mg/kg HYSAAV 31(9),383,66

skn-rbt LD50:2115 mg/kg FMCHA2-,C73,83

SAFETY PROFILE: Poison by unreported route. Moderately toxic by ingestion and skin contact. An experimental teratogen. Human mutation data reported. A weed killer. When heated to decomposition it emits very toxic fumes of Cl^- , NH_3 , and NO_x .

DFZ000 CAS: 1928-45-6 HR: 2
2,4-DICHLOROPHENOXYACETIC ACID
PROPYLENE GLYCOL BUTYL ETHER
ESTER

mf: $\text{C}_{15}\text{H}_{20}\text{Cl}_2\text{O}_4$ mw: 335.25

SYNS: 2,4-D PGBE □ 2,4-D PROPYLENE GLYCOL BUTYL ETHER ESTER

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. An experimental teratogen. Other experimental reproductive

effects. A pesticide. When heated to decomposition it emits toxic fumes of Cl^- . See also GLYCOL ETHERS.

DFZ100 CAS: 63905-33-9 HR: 3
di-N-(2,4-DICHLORO-PHENOXYACETYL)-3-
PHENYLALANINE

mf: $\text{C}_{17}\text{H}_{15}\text{Cl}_2\text{NO}_4$ mw: 368.23

SYN: ALANINE, N-(2,4-DICHLORO-PHENOXYACETYL)-3-PHENYL-, dl-

TOXICITY DATA with REFERENCE:

par-mus LDLo:40 mg/kg CBCCT* 7,685,1955

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

DGA000 CAS: 94-82-6 HR: 2
4-(2,4-DICHLOROPHENOXY)BUTYRIC ACID

mf: $\text{C}_{10}\text{H}_{10}\text{Cl}_2\text{O}_3$ mw: 249.10

PROP: Crystals from MeOH (aq). Mp: 118–119°.

SYNS: BUTOXON □ BUTOXONE □ BUTOXONE AMINE □ BUTOXONE ESTER □ BUTYRAC □ BUTYRAC ESTER □ 2,4-DB □ 2,4-D BUTYRIC □ γ -(2,4-DICHLOROPHENOXY)BUTYRIC ACID □ EMBUTOX □ EMBUTOX KLEAN-UP □ LEGUMEX D

TOXICITY DATA with REFERENCE:

dnr-esc 5 mg/disc NTIS** PB80-133226

dnr-bcs 5 mg/disc NTIS** PB80-133226

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

skn-rat LD50:800 mg/kg WRPCA2 9,119,70

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. An herbicide. When heated to decomposition it emits toxic fumes of Cl^- .

DGA100 CAS: 2758-42-1 HR: D
4-(2,4-DICHLOROPHENOXY)BUTYRIC ACID
DIMETHYLAMINE SALT

mf: $\text{C}_{10}\text{H}_{10}\text{Cl}_2\text{O}_3 \cdot \text{C}_2\text{H}_6\text{N}$ mw: 293.19

SYNS: BUTYRIC ACID, 4-(2,4-DICHLOROPHENOXY)-, DIMETHYLAMINE SALT □ 2,4-DB-DIMETHYLAMMONIUM

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

mic-sat 10000 $\mu\text{Lg/plate/48H}$ MUREAV 472,75,2000

slt-ham-oth 5 mg/L/4H MUREAV 472,75,2000

cyt-ham-oth 5000 mg/L/17H MUREAV 472,75,2000

cyt-ham-oth 5000 mg/L/2H MUREAV 472,75,2000

dns-rat-lvr 252 mg/L/19H MUREAV 472,75,2000

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

DGA200 CAS: 14255-88-0 HR: 3
5,6-DICHLORO-1-PHENOXYCARBONYL-2-
TRIFLUOROMETHYLBENZIMIDAZOLE

mf: $\text{C}_{15}\text{H}_7\text{Cl}_2\text{F}_2\text{N}_2\text{O}_2$ mw: 375.14

PROP: Yellow crystals. Mp: 103°. Sol in dioxan and Me_2CO .

SYNS: 5,6-DICHLORO-2-TRIFLUOROMETHYLBENZIMIDAZOLE-1-CARBOXYLATE □ 5,6-DICHLORO-2-(TRIFLUOROMETHYL)-1H-BENZIMIDAZOLE-1-CARBOXYLIC ACID

PHENYL ESTER □ ENT 27,438 □ FENAZAFLOR □ FENO-
FLURAZOLE □ FENOZAFLOL □ FENZAFLOR □ FISON NC
5016 □ LOVOZAL □ NC 5016 □ NSC-191025 □ PHENYL-5,6-
DICHLORO-2-TRIFLUOROMETHYL-BENZIMIDAZOLE-1-
CARBOXYLATE □ TARZOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:283 mg/kg FMCHA2 -,C103,83
skn-rat LD50:700 mg/kg WRPCA2 9,119,70
ipr-rat LD50:168 mg/kg GUCHAZ 6,275,73
orl-mus LD50:1600 mg/kg MRLAB3 33,839,68
ipr-mus LD50:42 mg/kg BCPCA6 18,1389,69
orl-dog LD50:50 mg/kg 85DPAN -,71/76
orl-rbt LD50:28 mg/kg GUCHAZ 6,275,73
orl-gpg LD50:59 mg/kg 31ZOAD 1,222,68
orl-ckn LD50:50 mg/kg MRLAB3 33,839,68
orl-mam LD50:3717 mg/kg NTIS** PB288-416

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

DGA400 CAS: 73986-95-5 HR: 2 2,4-DICHLOROPHENOXY ETHANEDIOL

mf: C₈H₈Cl₂O₃ mw: 223.06

SYN: 2,4-DICHLOROPHENOXY-1,2-ETHANEDIOL

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51
eye-rbt 50 µg open SEV AMIHBC 4,119,51
orl-rat LD50:1070 mg/kg AMIHBC 4,119,51
skn-rbt LD50:420 mg/kg AMIHBC 4,119,51

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

DGA425 CAS: 73791-41-0 HR: 3 3-(2,4-DICHLOROPHENOXY)-2-HYDROXY- PROPYL-o-CHLOROPHENYL ARSINIC ACID

mf: C₁₅H₁₄AsCl₃O₄ mw: 439.56

SYNS: ARSINE OXIDE, (o-CHLOROPHENYL)(3-(2,4-
DICHLOROPHENOXY)-2-HYDROXYPROPYL)HYDROXY- □ (o-
CHLOROPHENYL)(3-(2,4-DICHLOROPHENOXY)-2-HYDROXY-
PROPYL)HYDROXYARSINEOXIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#06928

OSHA PEL: TWA 0.5 mg(As)/m³

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

DGA800 CAS: 23712-05-2 HR: 3 2-((3,4-DICHLOROPHENOXY)METHYL)-2- IMIDAZOLINE HYDROCHLORIDE

mf: C₁₀H₁₀Cl₂N₂O mw: 245.12

PROP: A solid. Mp: 244–245°.

SYNS: DH-524 □ 2-((3,4-DICHLOROPHENOXY)METHYL)-2-
IMIDAZOLINE MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:100 mg/kg 27ZQAG -,220,72
orl-mus LD50:111 mg/kg 27ZQAG -,220,72
ipr-mus LD50:41 mg/kg USXXAM #4020167

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

DGA850 CAS: 32861-85-1 HR: 1 5-(2,4-DICHLOROPHENOXY)-2-NITROANISOLE

mf: C₁₃H₉Cl₂NO₄ mw: 314.13

SYNS: BENZENE, 2,4-DICHLORO-1-(3-METHOXY-4-NITRO-
PHENOXY)- □ BENZENE, 4-(2,4-DICHLOROPHENOXY)-2-
METHOXY-1-NITRO- □ CHLOMETHOXYFEN □ CHLOMETHO-
XYNIL □ CHLOROMETHOXYNIL □ CHLOROMETOXYNIL □
4-(2,4-DICHLOROPHENOXY)-2-METHOXY-1-NITROBENZENE
□ 2,4-DICHLOROPHENYL 3'-METHOXY-4'-NITROPHENYL
ETHER □ DIPHENEX □ EKKUSAGONI □ ETHER, (2,4-
DICHLOROPHENYL) (3-METHOXY-4-NITROPHENYL) □ PL
3468 □ X-52 □ X-52

TOXICITY DATA with REFERENCE:

mic-sat 300 µLg/plate KHFKDF 8,551,1980
orl-rat LD50:18 g/kg AIDZAC 7(2),91,1979
skn-rat LD50:>5 mg/kg PEMNDP 9,134,1991
orl-mus LD50:33 g/kg 28ZEAL 5,234,1976
skn-mus LD50:>5 g/kg FMCHA2-,C67,1991

SAFETY PROFILE: Low toxicity by ingestion and skin
contact. Experimental reproductive effects. Mutation data
reported. When heated to decomposition it emits toxic
vapors of NO_x and Cl⁻.

DGA880 CAS: 15165-67-0 HR: 3 (R)-2-(2,4-DICHLOROPHENOXY)PROPANOIC ACID

mf: C₉H₈Cl₂O₃ mw: 235.07

SYNS: DICHLOROPROP-P □ (+)-DICHLOROPROP □ (+)-2,4-DP □
DUPLOSAN DP □ PROPANOIC ACID, 2-(2,4-DICHLORO-
PHENOXY)-, (R)- □ PROPIONIC ACID, 2-(2,4-DICHLORO-
PHENOXY)-, (+)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>825 mg/kg PEMNDP 9,258,1991
ihl-rat LC50:7400 mg/m³/4H PEMNDP 9,258,1991
skn-rat LD50:>4 g/kg PEMNDP 9,258,1991
orl-qal LD50:>250 mg/kg PEMNDP 9,258,1991

SAFETY PROFILE: A poison by ingestion. Low
toxicity by inhalation and skin contact. Experimental
reproductive effects. When heated to decomposition it
emits toxic vapors of Cl⁻.

DGB000 CAS: 120-36-5 HR: 3 2-(2,4-DICHLOROPHENOXY) PROPIONIC ACID

mf: C₉H₈Cl₂O₃ mw: 235.07

SYNS: ACIDE-2-(2,4-DICHLORO-PHENOXY) PROPIONIQUE
(FRENCH) □ ACIDO-2-(2,4-DICHLORO-FENOSI)-PROPIONICO
(ITALIAN) □ CORNOX RD □ CORNOX RK □ DESORMONE □
2-(2,4-DICHLORO-PHENOXY)-PROPIONZUUR (DUTCH) □ α-(2,4-
DICHLOROPHENOXY) PROPIONIC ACID □ DICHLOROPROP
□ 2-(2,4-DICHLORO-PHENOXY)-PROPIONSAEURE (GERMAN) □
DICHLOROPROP □ 2,4-DP □ 2-(2,4-DP) □ HEDONAL □
HEDONAL DP □ HORMATOX □ KILDIP □ POLYCLENE □
POLYMONE □ POLYTOX □ RD 406 □ SERITOX 50 □ U46 □
U46 DP-FLUID □ VISKO-RHAP □ WEEDONE DP □ WEEDONE
170

TOXICITY DATA with REFERENCE:

mno-smc 700 mg/L ZAPOAK 9,483,69
orl-rat LD50:344 mg/kg JACTDZ 1,177,92

1208 DGB100 (+)-2-(2,4-DICHLOROPHENOXY)PROPIONIC ACID

skn-rat LD50:1880 mg/kg GISAAA 50(9),22,85
 orl-mus LD50:309 mg/kg RPZHAW 31,373,80
 skn-mus LD50:1400 mg/kg 28ZEAL 5,76,76

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,156,87; Human Limited Evidence IMEMDT 41,357,86. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen. Poison by ingestion. Moderately toxic by skin contact. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. A fumigant. When heated to decomposition it emits toxic fumes of Cl⁻.

DGB100 HR: 1
(+)-2-(2,4-DICHLOROPHENOXY)PROPIONIC ACID

mf: C₉H₈Cl₂O₃ mw: 235.07

SYN: (+)-2-(2,4-DICHLOROPHENOXY)PROPIONSAFEURE (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg FMCHA2 -,C100,89

SAFETY PROFILE: Slightly toxic by ingestion. Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.

DGB200 CAS: 6965-71-5 HR: 2
2-(2,5-DICHLOROPHENOXY)PROPIONIC ACID

mf: C₉H₈Cl₂O₃ mw: 235.07

SYN: α-(2,5-DICHLOROPHENOXY)PROPIONIC ACID

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

DGB400 CAS: 39637-16-6 HR: 3
(2,4-DICHLOROPHENOXY)TRIBUTYL-STANNANE

mf: C₁₈H₃₀Cl₂OSn mw: 452.07

SYN: TRI-n-BUTYL-2,4-DICHLOROPHENOXYTIN

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#01883

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

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

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

SAFETY PROFILE: Poison by intravenous route. Tributyl tin compounds are extremely toxic to marine life. See also TIN COMPOUNDS and CHLORIDES. When heated to decomposition it emits toxic fumes of Cl⁻.

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

DGB480 CAS: 2621-62-7 HR: 1
N-(2,5-DICHLOROPHENYL)ACETAMIDE

mf: C₈H₇Cl₂NO mw: 204.06

SYNS: ACETAMIDE, N-(2,5-DICHLOROPHENYL)-(9CI) □ ACETANILIDE, 2',5'-DICHLORO- □ 2,5-DICHLORACETANILID □ 2',5'-DICHLOROACETANILIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4100 mg/kg 85JCAE -,579,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGB500 CAS: 4205-90-7 HR: 3
2-(2,6-DICHLOROPHENYLAMINO)-2-IMIDAZOLINE

mf: C₉H₉Cl₂N₃ mw: 230.11

PROP: A solid. Mp: 136–138°.

SYNS: 734571A □ BENZENAMINE, 2,6-DICHLORO-N-2-IMIDAZOLIDINYLIDENE- (9CI) □ CLONIDIN □ CLONIDINE □ 2-IMIDAZOLINE, 2-(2,6-DICHLOROANILINO)-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD OYYAA2 45,257,93

orl-man TDL₀:2857 ng/kg:BPR AIMDAP 143,2195,83

orl-rat LD50:157 mg/kg IYKEDH 18,366,87

scu-rat LD50:108 mg/kg IYKEDH 18,366,87

orl-mus LD50:108 mg/kg IYKEDH 18,366,87

scu-mus LD50:364 mg/kg IYKEDH 18,366,87

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Human systemic effects by ingestion: blood pressure lowering. An experimental teratogen. Other experimental reproductive effects. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

DGB600 CAS: 696-28-6 HR: 3
DICHLOROPHENYLARSINE

mf: C₆H₅AsCl₂ mw: 222.93

PROP: Colorless gas or liquid, changes to yellow. Bp: 127–129° @ 13 mm, fp: -15.6°, d: 1.654 @ 20°, vap press: 0.021 mm @ 20°, vap d: 7.7.

SYNS: ARSINOUS DICHLORIDE, PHENYL-(9CI) □ DICHLOROPHENYLARSIN □ FDA □ FENILDICLOROARSINA (ITALIAN) □ FENYLDICHLORARSIN □ PHENYLARSINEDICHLORIDE □ PHENYLARSONOUS DICHLORIDE □ PHENYL DICHLORARSINE □ PHENYLDICHLOROARSINE □ RCRA WASTE NUMBER P036 □ TL 69

TOXICITY DATA with REFERENCE:

ihl-rat LCL₀:1400 mg/m³/10M NDRC** NDCrc-132,Jan,42

skn-rat LD50:16 mg/kg JPBA7 58,411,46

ihl-mus LC50:3300 mg/m³/10M NTIS** PB158-508

skn-mus LD50:4 mg/kg NTIS** PB158-508

ivn-mus LD50:500 µg/kg JPBA7 58,411,46

skn-rbt LD50:5 mg/kg JPBA7 58,411,46

ivn-rbt LD50:500 mg/kg JPBA7 58,411,46

skn-gpg LD50:4 mg/kg JPBA7 58,411,46

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by inhalation, ingestion, skin contact, and intravenous routes. See also ARSENIC. A lachrymator type of military poison gas. When exposed to heat, water, or steam it reacts to produce corrosive fumes of Cl⁻. When heated to decomposition it emits highly toxic fumes of arsenic.

DGB800 CAS: 15460-48-7 HR: 2
N-(3,4-DICHLOROPHENYL)-1-AZIRIDINE-CARBOXAMIDEmf: C₉H₈Cl₂N₂O mw: 231.09**SYN:** 3,4-DICHLOROPHENYL-N-CARBAMOYL-AZIRIDINE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DGB810 CAS: 222420-28-2 HR: 3**
2-(3,4-DICHLOROPHENYL)-1H-BENZ(de)ISO-QUINOLINE-1,3(2H)-DIONEmf: C₁₈H₉Cl₂NO₂ mw: 342.18**TOXICITY DATA with REFERENCE:**

ipr-mus TDLo:0.34 mg/kg FRMCE8 55,319,2000

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DGB875 CAS: 873-51-8 HR: 3**
DICHLOROPHENYLBORANEmf: C₆H₅BCl₂ mw: 158.82**PROP:** Moisture-sensitive fuming liquid. D: 1.194, mp: 7°, bp: 175°.**SAFETY PROFILE:** The hot borane ignites in air. When heated to decomposition it emits toxic fumes of Cl⁻. See also BORANES.**DGC000 CAS: 10140-84-8 HR: 2**
2,4-DICHLOROPHENYL "CELLOSOLVE"mf: C₁₀H₁₂Cl₂O₂ mw: 235.12**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS** 12/29/71

eye-rbt 1 mg SEV UCDS** 12/29/71

orl-rat LD50:1410 mg/kg UCDS** 12/29/71

skn-rbt LD50:1250 mg/kg UCDS** 12/29/71

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻.**DGC050 CAS: 89985-01-3 HR: 2**
N-(2,4-DICHLOROPHENYL)-N-(4,5-DIHYDRO-2-THIAZOLYL)-3-PYRIDINEMETHANAMINEmf: C₁₅H₁₃Cl₂N₃S mw: 338.27**SYN:** 3-PYRIDINEMETHANAMINE, N-(2,4-DICHLOROPHENYL)-N-(4,5-DIHYDRO-2-THIAZOLYL)-**TOXICITY DATA with REFERENCE:**

orl-rat LD :>500 mg/kg NTIS** OTS0544677

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**DGC100 CAS: 76714-88-0 HR: 2**
(E)-1-(2,4-DICHLOROPHENYL)-4,4-DIMETHYL-2-(1,2,4-TRIAZOL-1-YL)PENTEN-3-OLmf: C₁₅H₁₇Cl₂N₃O mw: 326.25**SYNS:** S 3308 □ 1H-1,2,4-TRIAZOLE-1-ETHANOL, β-(2,4-DICHLOROPHENYL)METHYLENE)-α-(1,1-DIMETHYLETHYL)-, (E)-**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MLD EPASR* 8EHQ-0485-0548

orl-rat LD50:474 mg/kg EPASR* 8EHQ-0485-0548

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.**DGC600 CAS: 38780-39-1 HR: 3**
cis-DICHLORO(o-PHENYLENEDIAMINE)-PLATINUM(II)mf: C₆H₈Cl₂N₂Pt mw: 374.15**PROP:** IDLH 4 mg/m³ (as Pt).**SYN:** DICHLORO(1,2-PHENYLENEDIAMINE)PLATINUM(II)**TOXICITY DATA with REFERENCE:**

mmo-sat 2300 nmol/L JMCAR 23,459,80

dni-bac-esc 2500 nmol/L CBINA8 29,327,80

ipr-mus LD50:48 mg/kg CBINA8 5,415,72

SAFETY PROFILE: Poison by intraperitoneal route.Mutation data reported. See PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DGC800 CAS: 34643-46-4 HR: 2**
O-(2,4-DICHLOROPHENYL)-O-ETHYL-S-PROPYLPHOSPHORODITHIOATEmf: C₁₁H₁₅Cl₂O₂PS₂ mw: 345.25**PROP:** Liquid. D: 1.3 @ 20°/4°, bp: 125–128° @ 0.1 mm. Very sltly sol in H₂O.**SYNS:** BAY NTN 8629 □ BIDERON □ O-ETHYL-O-(2,4-DICHLOROPHENYL)-S-n-PROPYL-DITHIOPHOSPHATE □ NTN-8629 □ PROTHIOPHOS □ TOKUTHION**TOXICITY DATA with REFERENCE:**

orl-rat LD50:875 mg/kg GISAAA 53(5),92,88

skn-rat LD50:3900 mg/kg KONODE 20,94,76

orl-mus LD50:570 mg/kg GISAAA 53(5),92,88

skn-mus LD50:1600 mg/kg KONODE 20,94,76

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits very toxic fumes of Cl⁻, PO_x, and SO_x.**DGC850 CAS: 305-15-7 HR: 2**
(2,5-DICHLOROPHENYL)HYDRAZINEmf: C₆H₆Cl₂N₂ mw: 177.04**SYN:** HYDRAZINE, (2,5-DICHLOROPHENYL)-**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:500 mg/kg NCNSA6 5,20,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DGD075 CAS: 33175-34-7 HR: 3**
3,4-DICHLOROPHENYL HYDROXYLAMINEmf: C₆H₅Cl₂NO mw: 178.02Cl₂C₆H₃NHOH**SAFETY PROFILE:** Decomposes exothermically at 80°C. It is a chemical intermediate in the production of aniline from 3,4-dichloronitrobenzene and its thermal decomposition has caused violent explosions in plant-scale reactors. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also AROMATIC AMINES.

**DGD085 CAS: 31225-17-9 HR: 2
N-(3,4-DICHLOROPHENYL)-N'-HYDROXYUREA**mf: C₇H₆Cl₂N₂O₂ mw: 221.05**SYNS:** DICHLORPHENYLOXYUREA □ UREA, N-(3,4-DICHLOROPHENYL)-N'-HYDROXY-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1850 mg/kg GISAAA 40(7),46,75

orl-mus LD50:2 g/kg GISAAA 40(7),46,75

orl-rbt LD50:1800 mg/kg GISAAA 40(7),46,75

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⁻.**DGD090 CAS: 61001-12-5 HR: D
2-(3,4-DICHLOROPHENYL)IMIDAZO(2,1A)-
ISOQUINOLINE**mf: C₁₇H₁₀Cl₂N₂ mw: 313.19**SYN:** IMIDAZO(2,1-A)ISOQUINOLINE, 2-(3,4-DICHLORO-PHENYL)-**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**DGD100 CAS: 6001-93-0 HR: 3
1-(3,4-DICHLOROPHENYL)-5-
ISOPROPYLBIGUANIDE HYDROCHLORIDE**mf: C₁₁H₁₅Cl₂N₅•ClH mw: 324.67**SYNS:** N¹-3,4-DICHLOROPHENYL-N⁵-ISOPROPYLDIGUANIDE HYDROCHLORIDE □ M5943**TOXICITY DATA with REFERENCE:**

orl-mus LD50:100 mg/kg BJPCAL 5,438,50

ipr-mus LD50:25 mg/kg BJPCAL 5,438,50

ivn-mus LD50:25 mg/kg BJPCAL 5,438,50

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DGD400 CAS: 3687-13-6 HR: 2
2,4-DICHLOROPHENYLMETHANESULFONATE**mf: C₇H₆Cl₂O₃S mw: 241.09**SYNS:** SD 7727 □ SHELL SD 7,727**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2793 mg/kg 28ZEAL 4,153,69

orl-mus LDLo:1070 mg/kg AECTCV 14,111,85

skn-rbt LD50:2500 mg/kg 28ZEAL 5,204,76

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 SULFONATES.**DGD600 CAS: 330-55-2 HR: 3
3-(3,4-DICHLOROPHENYL)-1-METHOXY-
METHYLUREA**mf: C₉H₁₀Cl₂N₂O₂ mw: 249.11**PROP:** Solid. Mp: 93–94°. Sltly sol in water; partially sol in acetone and alc.**SYNS:** 3-(3,4-DICHLOROPHENYL)-1-METHOXY-1-METHYLUREUM (DUTCH) □ 3-(3,4-DICHLORO-FENIL)-1-METOSI-1-METIL-UREA (ITALIAN) □ 3-(3,4-DICHLORO-PHENYL)-1-METHOXY-1-METHYLUREA □ N'-(3,4-DICHLORO-

PHENYL)-N-METHOXY-N-METHYLUREA □ 1-(3,4-DICHLORO-PHENYL)3-METHOXY-3-METHYLUREE (FRENCH) □ N-(3,4-DICHLOROPHENYL)-N'-METHYL-N'-METHOXYUREA □ 3-(3,4-DICHLOROPHENYL)-1-METHOXY-1-METHYL-HARNSTOFF (GERMAN) □ 3-(4,5-DICHLOROPHENYL)-1-METHOXY-1-METHYLHARNSTOFF (GERMAN) □ DU PONT 326 □ DU PONT HERBICIDE 326 □ GARNITAN □ HERBICIDE 326 □ HOE 2810 □ LINEX 4L □ LINOROX □ LINUREX □ LINURON □ LINURON (herbicide) □ LOREX □ LOROX □ LOROX LINURON WEED KILLER □ METHOXYDIURON □ 1-METHOXY-1-METHYL-3-(3,4-DICHLOROPHENYL)UREA □ PREMALIN □ SARCLEX □ SCARCLEX □ SINURON

TOXICITY DATA with REFERENCE:

dni-mus-orl 500 mg/kg MUREAV 58,353,78

orl-rat LD50:1146 mg/kg FAATDF 7,299,86

ihl-rat LD50:48 mg/m³/4H 85GMAT -,48,82

orl-mus LD50:2400 mg/kg 85GMAT -,48,82

orl-dog LD50:500 mg/kg GUCHAZ 6,317,73

orl-ckn LD50:3765 mg/kg VETNAL 58(7),63,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by ingestion. Mutation data reported. A selective herbicide used in farming. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA.**DGD800 CAS: 299-85-4 HR: 3
O-(2,4-DICHLOROPHENYL)-O-METHYLISO-
PROPYLPHOSPHORAMIDOTHIOATE**mf: C₁₀H₁₄Cl₂NO₂PS mw: 314.18**SYNS:** O-(2,4-DICHLOROPHENYL)-O-METHYL-N-ISOPROPYLPHOSPHORAMIDOTHIOATE □ DMPA □ DOW 1329 □ DOWCO 118 □ ENT 25,647 □ ISOPROPYLPHOSPHOR-AMIDOTHIOIC ACID-O-2,4-DICHLOROPHENYL-O-METHYL ESTER □ K 22023 □ (1-METHYLETHYL)PHOSPHOR-AMIDOTHIOIC ACID O-(2,4-DICHLOROPHENYL)-O-METHYL ESTER □ OMS 115 □ ZYTRON**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:270 mg/kg FMCHA2 -,C260,83

unr-dog LD50:1000 mg/kg 30ZDA9 -,353,71

skn-rbt LD50:1680 mg/kg GUCHAZ 6,242,73

orl-gpg LD50:210 mg/kg 31ZOAD 1,191,68

orl-ckn LD50:1357 mg/kg TXAPA9 6,147,64

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

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. An herbicide and plant growth regulator. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, PO_x, and SO_x.**DGE200 CAS: 13412-64-1 HR: 2
3-(2,6-DICHLOROPHENYL)-5-METHYL-4-
ISOXAZOLYL PENICILLIN SODIUM
MONOHYDRATE**mf: C₁₉H₁₆Cl₂N₃O₅S•Na•H₂O mw: 510.35**PROP:** Monohydrate. Mp: 222–225° (decomp). Sol in H₂O.**SYNS:** BLP-1011 □ BRISPEN □ BRL-1702 □ CONSTAPHYL □ DICHLOR STAPENOR □ DICLOCIL □ DICLOXACILLIN SODIUM MONOHYDRATE □ DICLOXACILLIN SODIUM SALT □ DYCILL □ DYNAPEN □ MDI-PC □ NOXABEN □ P 1011 □ PATHOCIL □ PEN-SINT □ SODIUM DICLOXACILLIN □

SODIUM DICLOXACILLIN MONOHYDRATE □ STAMPEN □
STPHCILLIN A BANYU □ SYNTARPEN □ VERACILLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:3579 mg/kg TXAPA9 18,185,71
ipr-rat LD50:630 mg/kg ARZNAD 15,322,65
ivn-rat LD50:520 mg/kg JJANAX 21,274,68
orl-mus LD50:4560 mg/kg JJANAX 21,274,68
ipr-mus LD50:1000 mg/kg JJANAX 21,274,68
scu-mus LD50:1100 mg/kg JJANAX 21,274,68
ivn-mus LD50:875 mg/kg JJANAX 21,274,68
ivn-rbt LD50:600 mg/kg JJANAX 21,274,68

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, intravenous, and subcutaneous routes. An antibacterial agent. When heated to decomposition it emits very toxic fumes of Na₂O, NO_x, SO_x, and Cl⁻. See also other penicillin entries.

DGE230 CAS: 34763-39-8 HR: 2 1-((2,6-DICHLOROPHENYL)METHYL METHYL 3-PYRIDINYLCARBONIMIDODITHIOATE

mf: C₁₄H₁₂Cl₂N₂S₂ mw: 343.30

SYN: CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (2,6-DICHLOROPHENYL)METHYL METHYL ESTER

TOXICITY DATA with REFERENCE:

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

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

DGE300 CAS: 59749-24-5 HR: 2 1-((2,4-DICHLOROPHENYL)METHYL)-5-OXO-I-PROLINE

mf: C₁₂H₁₁Cl₂NO₃ mw: 288.14

SYNS: ACIDE N-(DICHLORO-2',4' BENZYL)PYROGLUTAMIQUE □ I-PROLINE, 1-((2,4-DICHLOROPHENYL)METHYL)-5-OXO-

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

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

DGE305 CAS: 59749-37-0 HR: 2 1-((2,6-DICHLOROPHENYL)METHYL)-5-OXO-I-PROLINE

mf: C₁₂H₁₁Cl₂NO₃ mw: 288.14

SYNS: ACIDE N-(DICHLORO-2',6'-BENZYL)PYRO-GLUTAMIQUE □ I-PROLINE, 1-((2,6-DICHLOROPHENYL)-METHYL)-5-OXO-

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

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

DGE310 CAS: 59749-23-4 HR: 2 1-((3,4-DICHLOROPHENYL)METHYL)-5-OXO-I-PROLINE

mf: C₁₂H₁₁Cl₂NO₃ mw: 288.14

SYNS:

□ ACIDE N-(DICHLORO-3',4'-BENZYL)PYROGLUTAMIQUE □ I-PROLINE, 1-((3,4-DICHLOROPHENYL)METHYL)-5-OXO-

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

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

DGE315 CAS: 59749-20-1 HR: 2 1-((2,6-DICHLOROPHENYL)METHYL)-5-OXO-I-PROLINE METHYL ESTER

mf: C₁₃H₁₃Cl₂NO₃ mw: 302.17

SYNS: N-(DICHLORO-2',6' BENZYL)PYROGLUTAMATE de METHYLE □ I-PROLINE, 1-((2,6-DICHLOROPHENYL)METHYL)-5-OXO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

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

DGE320 CAS: 59749-19-8 HR: 2 1-((3,4-DICHLOROPHENYL)METHYL)-5-OXO-I-PROLINE METHYL ESTER

mf: C₁₃H₁₃Cl₂NO₃ mw: 302.17

SYNS: N-(DICHLORO-3',4' BENZYL)PYROGLUTAMATE de METHYLE □ I-PROLINE, 1-((3,4-DICHLOROPHENYL)METHYL)-5-OXO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

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

DGE325 CAS: 59749-35-8 HR: 2 1-((3,4-DICHLOROPHENYL)METHYL)-5-OXO-I-PROLINE compounded with 2-PROPANAMINE (1:1)

mf: C₁₂H₁₁Cl₂NO₃•C₃H₉N mw: 347.27

SYNS: N-(DICHLORO-3',4' BENZYL)PYROGLUTAMATE d'ISOPROPYLAMINE □ I-PROLINE, 1-((3,4-DICHLOROPHENYL)-METHYL)-5-OXO-, compounded with 2-PROPANAMINE (1:1)

TOXICITY DATA with REFERENCE:

orl-mus LD :>1200 mg/kg FRXXBL #2273533

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

DGE400 CAS: 644-97-3 HR: 3 DICHLOROPHENYLPHOSPHINE DOT: UN 2798

mf: C₆H₅Cl₂P mw: 178.98

PROP: Pungent, odorous liquid. D: 1.33 @ 20°/4°, bp: 99–101° @ 5 mm.

SYNS: PHENYLDICHLOROPHOSPHINE □ PHENYLPHOSPHINE DICHLORIDE □ PHENYLPHOSPHONOUS ACID DICHLORIDE □ PHENYLPHOSPHONOUS DICHLORIDE □ PHENYL PHOSPHORUS DICHLORIDE □ PHENYL PHOSPHORUS DICHLORIDE (DOT)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: A poison irritant to skin, eyes, and mucous membranes and poison by ingestion and inhalation. When heated to decomposition it emits very toxic fumes of Cl^- and PO_x . See also PHOSPHINE.

DGE500 CAS: 315706-77-5 HR: 3
3-(2,4-DICHLOROPHENYL)-N-(4-PROPYL-CYCLOHEXYL)-2-PROPENAMIDE

mf: $\text{C}_{18}\text{H}_{23}\text{Cl}_2\text{NO}$ mw: 340.29

TOXICITY DATA with REFERENCE:

orl-mus TDLo:26.3 mg/kg FRMCE8 55,439,2000

orl-rat TDLo:100 mg/kg FRMCE8 55,439,2000

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

DGE800 CAS: 1698-53-9 HR: 2
4,5-DICHLORO-2-PHENYL-3(2H)-PYRID-AZINONE

mf: $\text{C}_{10}\text{H}_6\text{Cl}_2\text{N}_2\text{O}$ mw: 241.08

PROP: Prisms from EtOH (aq). Mp: 163–164°.

SYN: 1-FENYL-4,5-DICHLOR-6-PYRIDAZINON (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 20 mg/24H SEV 28ZPAK -,151,72

orl-rat LD50:2520 mg/kg 28ZPAK -,151,72

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

DGF000 CAS: 24096-53-5 HR: 2
N-(3,5-DICHLOROPHENYL)SUCCINIMIDE

mf: $\text{C}_{10}\text{H}_7\text{Cl}_2\text{NO}_2$ mw: 244.08

SYNS: 1-(3,5-DICHLOROPHENYL)-2,5-PYRROLIDINEDIONE □ DIMETHACHLON □ OHRIC

TOXICITY DATA with REFERENCE:

orl-mus LD50:1250 mg/kg FMCHA2 -,C172,83

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

DGF100 CAS: 50673-11-5 HR: 3
((2,5-DICHLOROPHENYL)THIO)METHYL-CARBAMIC ACID, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER

mf: $\text{C}_{18}\text{H}_{17}\text{Cl}_2\text{NO}_3\text{S}$ mw: 398.32

TOXICITY DATA with REFERENCE:

orl-rat LD50:25 mg/kg USXXAM #4013774

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

DGF130 CAS: 50673-10-4 HR: 3
((3,4-DICHLOROPHENYL)THIO)METHYL-CARBAMIC ACID, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER

mf: $\text{C}_{18}\text{H}_{17}\text{Cl}_2\text{NO}_3\text{S}$ mw: 398.32

TOXICITY DATA with REFERENCE:

orl-rat LD50:25 mg/kg USXXAM #4013774

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

DGF200 CAS: 27137-85-5 HR: 3
(DICHLOROPHENYL)TRICHLOROSILANE

DOT: UN 1766

mf: $\text{C}_6\text{H}_3\text{Cl}_5\text{Si}$ mw: 280.43

PROP: Straw-colored liquid, sol in benzene and perchloroethylene (mixture of isomers). D: 1.562, bp: 260°, flash p: 286°F.

SYNS: DICHLOROPHENYLTRICHLOROSILANE (DOT) □ TRICHLORO(DICHLOROPHENYL)SILANE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:100 mg/kg 85GMAT -,48,82

orl-mus LDLo:100 mg/kg 85GMAT -,48,82

ihl-mus LCLo:80 mg/m³/2H 85GMAT -,48,82

ipr-mus LDLo:100 mg/kg 85GMAT -,48,82

scu-mus LDLo:100 mg/kg 85GMAT -,48,82

ihl-mam LCLo:80 mg/m³ CHABA8 57,12828a,62

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

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by ingestion, inhalation, subcutaneous, and intraperitoneal routes. Corrosive to the eyes, skin, and mucous membranes. On contact with moisture it releases corrosive HCl. Combustible when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROSILANES.

DFT250 CAS: 7119-89-3 HR: D
DICHLOROPICRIN

mf: CHCl_2NO_2 mw: 129.93

SYNS: DICHLORONITROMETHANE □ METHANE, DICHLORONITRO-

TOXICITY DATA with REFERENCE:

mic-sat 250 nmol/L MUREAV 439,233,1999

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

DGF300 CAS: 22591-21-5 HR: 3
DICHLOROPINACOLIN

mf: $\text{C}_6\text{H}_{10}\text{Cl}_2\text{O}$ mw: 169.06

SYNS: 2-BUTANONE, 1,1-DICHLORO-3,3-DIMETHYL- □ 1,1-DICHLORO-3,3-DIMETHYL-2-BUTANONE □ DICHLORO-METHYL tert-BUTYL KETONE □ α-α-DICHLOROPINACOLIN □ DICHLOROPINAKOLIN □ ω,ω-DICHLORPINAKOLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:3350 mg/kg GISAAA 52(12),92,87

orl-mus LD50:4150 mg/kg GISAAA 52(12),92,87

orl-rbt LD50:3550 mg/kg GISAAA 52(12),92,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DGF350 CAS: 26638-19-7 HR: D
DICHLOROPROPANE

mf: C₃H₆Cl₂ mw: 112.99

SYNS: DICHLOROPROPAN □ PROPANE, DICHLORO-

TOXICITY DATA with REFERENCE:

cyt-scu-rat 21 mmol/L/kg IGIBA5 24,37,75

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.**DGF400 CAS: 78-99-9 HR: 3
1,1-DICHLOROPROPANE**mf: C₃H₆Cl₂ mw: 112.99**PROP:** Flash p: 69.8°F, lel: 3.1%, d: 1.143 @ 10°, bp: 88.3°.**SYN:** PROPYLIDENE CHLORIDE**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg AMIHBC 10,61,54

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

orl-rat LD50:6500 mg/kg AMIHBC 10,61,54

ihl-rat LCLo:4000 ppm/4H AMIHBC 10,61,54

skn-rbt LD50:14 g/kg AMIHBC 10,61,54

SAFETY PROFILE: Mildly toxic by ingestion, inhalation, and skin contact. An eye irritant. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits toxic fumes of Cl⁻. See also PROPYLENE DICHLORIDE; and CHLORINATED HYDROCARBONS, ALIPHATIC.**DGF800 CAS: 142-28-9 HR: 2
1,3-DICHLOROPROPANE**mf: C₃H₆Cl₂ mw: 112.99**PROP:** Colorless liquid. Bp: 120.4°, d: 1.201 @ 15°, vap d: 3.90, flash p: 69.8°F.**SYN:** TRIMETHYLENE DICHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 10 µmol/plate ENMUDM 2,59,80

mma-sat 10 µmol/plate ENMUDM 2,59,80

orl-dog LDLo:3000 mg/kg AJHYA2 16,325,32

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Mutation data reported. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits highly toxic fumes of Cl⁻ and phosgene. See also CHLORINATED HYDROCARBONS, ALIPHATIC; and PROPYLENE DICHLORIDE.**DGF900 CAS: 594-20-7 HR: 3
2,2-DICHLOROPROPANE**mf: C₃H₆Cl₂ mw: 112.99H₃CCCl₂CH₃**PROP:** D: 1.096, bp: 70.5°.**SAFETY PROFILE:** Reacts explosively with dimethylzinc. When heated to decomposition it emits toxic fumes of Cl⁻. See also PROPYLENE DICHLORIDE; and CHLORINATED HYDROCARBONS, ALIPHATIC.**DGG000 CAS: 8003-19-8 HR: 3
DICHLOROPROPANE-DICHLOROPROPENE
MIXTURE**mf: C₃H₆Cl₂•C₃H₄Cl₂ mw: 223.96**PROP:** D-D Soil fumigant consists of chlorinated C₃ hydrocarbons (100%), 1,3-dichloropropene, 3,3-dichloropropene, 1,2-dichloropropene, 2,3-dichloropropene, and related C₃ chlorinated hydrocarbons (SHELL*).**SYNS:** D-D □ DD MIXTURE □ DD SOIL FUMIGANT □ 1,3-DICHLOROPROPENE and 1,2-DICHLOROPROPANE MIXTURE □ DICHLOROPROPAN-DICHLOROPROPENGEMISCH (GERMAN) □ DOWFUME N □ ENT 8,420 □ NEMAFENE □ TELONE □ VIDDEN D**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV AMIHBC 7,118,53

eye-rbt 5 mg SEV AMIHBC 7,118,53

mma-sat 500 µg/plate CNREA8 37,1915,77

orl-rat LD50:140 mg/kg ARSIM* 20,8,66

ihl-rat LC50:1000 ppm/4H AMIHBC 7,118,53

skn-rat LD50:779 mg/kg PEMNDP 8,263,87

orl-mus LD50:3 mg/kg ARSIM* 20,8,66

skn-rbt LD50:2100 mg/kg PCOC** -,371,66

SAFETY PROFILE: Poison by ingestion and inhalation. Moderately toxic by skin contact. Severe skin and eye irritant. Mutation data reported. A fumigant. When heated to decomposition it emits toxic fumes of Cl⁻. See also PROPYLENE DICHLORIDE; and CHLORINATED HYDROCARBONS, ALIPHATIC.**DGG400 CAS: 96-23-1 HR: 3
1,3-DICHLORO-2-PROPANOL****DOT:** UN 2750mf: C₃H₆Cl₂O mw: 128.99**PROP:** Colorless liquid; ether-like odor. Bp: 174°, d: 1.367 @ 20°/4°, vap press: 1 mm @ 28.0°, vap d: 4.45, flash p: 165°F (OC), mp: -4°. Sol in H₂O and Et₂O.**SYNS:** DICHLOROHYDRIN □ α-DICHLOROHYDRIN □ sym-DICHLOROISOPROPYL ALCOHOL □ 1,3-DICHLORO-PROPANOL-2 (DOT) □ GLYCEROL α,γ-DICHLOROHYDRIN □ sym-GLYCEROL DICHLOROHYDRIN □ U 25,354**TOXICITY DATA with REFERENCE:**

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

mmo-sat 1 µmol/plate ENMUDM 2,59,80

mma-sat 100 µg/plate SCIEAS 200,785,78

dni-hmn:hla 2500 µmol/L MUREAV 92,427,82

orl-rat LD50:110 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:125 ppm/4H AIHAAP 23,95,62

orl-mus LD50:100 mg/kg 85GMAT -,46,82

skn-rbt LD50:800 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**DFG MAK:** Animal Carcinogen, Suspected Human Carcinogen**DOT CLASSIFICATION:** 6.1; Label: Poison**SAFETY PROFILE:** Suspected carcinogen. Poison by ingestion and inhalation. Moderately toxic by skin contact. Human mutation data reported. A skin irritant. Action may be similar to that of carbon tetrachloride, but more irritating to mucous membranes. Flammable when exposed to heat, flame, or oxidizers. To fight fire, use alcohol foam, dry chemical, fog, mist, or spray. Dangerous; when heated to decomposition it emits highly toxic fumes of Cl⁻ and phosgene.

DGG450 CAS: 616-23-9 HR: 3
2,3-DICHLOROPROPANOLmf: C₃H₆Cl₂O mw: 128.99**SYNS:** 1,2-DICHLOROPROPANOL-3 □ 2,3-DICHLORO-1-PROPANOL □ 1,2-DICHLORO-3-PROPANOL □ GLYCEROL- α,β -DICHLOROHYDRIN**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H JIHTAB 30,63,48
 eye-rbt 6800 μ g SEV AJOPAA 29,1363,46
 mma-sat 262 μ g/plate MUREAV 57,381,78
 mma-esc 131 μ g/plate MUREAV 57,381,78
 orl-rat LD50:90 mg/kg JIHTAB 30,63,48
 ihl-rat LCLo:500 ppm/4H JIHTAB 31,343,49
 skn-rbt LD50:200 mg/kg JIHTAB 30,63,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and skin contact. Moderately toxic by inhalation. A skin and severe eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, AROMATIC.**DGG500 CAS: 513-88-2 HR: 3**
1,1-DICHLOROPROPANONEmf: C₃H₄Cl₂O mw: 126.97**SYNS:** DCP □ α,α -DICHLOROACETONE □ 1,1-DICHLOROACETONE □ DICHLOROMETHYL METHYL KETONE □ 2-PROPANONE, 1,1-DICHLORO-**TOXICITY DATA with REFERENCE:**

mmo-sat 1 μ mol/plate TXAPA9 91,46,87
 mma-sat 1 μ mol/plate TXAPA9 91,46,87
DOT CLASSIFICATION: 3; Label: Flammable Liquid
SAFETY PROFILE: Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.

DGG700 CAS: 26952-23-8 HR: 3
DICHLOROPROPENE**DOT:** UN 2047mf: C₃H₄Cl₂ mw: 110.97**SYNS:** DICHLOROPROPYLENE □ 1-PROPENE, DICHLORO-**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.**DGG750 CAS: 563-58-6 HR: D**
1,1-DICHLORO-1-PROPENEmf: C₃H₄Cl₂ mw: 110.97**SYNS:** 1,1-DICHLOROPROPENE □ 1,1-DICHLOROPROPYLENE □ PROPENE, 1,1-DICHLORO- □ 1-PROPENE, 1,1-DICHLORO-(9CI)**TOXICITY DATA with REFERENCE:**

mmo-sat 750 nL/plate BCPA6 35,195,86
SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Cl⁻.

DGG800 CAS: 563-54-2 HR: 2
1,2-DICHLOROPROPENEmf: C₃H₄Cl₂ mw: 110.97**PROP:** Liquid. Bp: 75°, vap d: 3.83.**SYNS:** DICHLOR □ 1,2-DICHLOROPROPYLENE □ DICHLORPROPEN-GEMISCH (GERMAN) □ PDC □ PROPYLENE DICHLORIDE □ RCRA WASTE NUMBER U083**TOXICITY DATA with REFERENCE:**

mmo-sat 10 μ L/plate JSFAAE 32,826,81
 mma-sat 10 μ L/plate JSFAAE 32,826,81
 mmo-asn 10 μ L/plate PMRSDJ 2,87,81
 orl-rat LD50:2 g/kg 85ARAE 3,20,76/77
 skn-rbt LD50:8750 mg/kg 34ZIAG -,744,69

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by skin contact. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.**DGG950 CAS: 542-75-6 HR: 3**
1,3-DICHLOROPROPENE**DOT:** UN 2047mf: C₃H₄Cl₂ mw: 110.97**PROP:** Liquid. Bp: 103–110°, flash p: 95°F, d: 1.22, vap d: 3.8.**SYNS:** α -CHLOROALLYL CHLORIDE □ γ -CHLOROALLYL CHLORIDE □ DICHLOROPROPENE (DOT) □ 1,3-DICHLOROPROPYLENE-1 □ DICHLOROPROPYLENE □ α,γ -DICHLOROPROPYLENE □ 1,3-DICHLOROPROPYLENE □ NCI-C03985 □ RCRA WASTE NUMBER U084 □ TELONE □ TELONE II SOIL FUMIGANT □ VIDDEN D**TOXICITY DATA with REFERENCE:**

mmo-sat 33 μ g/plate ENMUDM 5(Suppl 1),3,83
 mma-sat 10 μ mol/plate ENMUDM 2,59,80
 sln-dmg-ork 5750 ppm ENMUDM 7,325,85
 sce-ham:ovr 900 nmol/L CNJGA8 22,681,80
 orl-rat LD50:470 mg/kg DOWCC* MSD-405
 ihl-rat LC50:500 ppm 85JFAN A446,83
 skn-rat LD50:775 mg/kg FMCHA2 -,C103,91
 ipr-rat LD50:175 mg/kg TOXID9 5,2,85
 orl-mus LD50:640 mg/kg FAATDF 8,562,87
 ihl-mus LC50:4650 mg/m³/2H 85GMAT -,48,82
 skn-rbt LD50:504 mg/kg DOWCC* MSD-405
 ihl-gpg LCLo:400 ppm/7H AIHAAP 38,217,77

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,195,87; Human Inadequate Evidence IMEMDT 41,113,86; Animal Sufficient Evidence IMEMDT 41,113,86. NTP Carcinogenesis Studies (gavage); Clear Evidence: mouse, rat NTPTR* NTP-TR-269,86. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List.**OSHA PEL:** TWA 1 ppm (skin)**ACGIH TLV:** TWA 1 ppm (skin); Not Classifiable as a Human Carcinogen**DFG MAK:** Animal Carcinogen, Suspected Human Carcinogen**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic data. Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. Mildly toxic by inhalation. A strong irritant. Mutation data reported. A pesticide. A flammable liquid and dangerous fire hazard when exposed to heat, flame, or oxidizers. Reacts 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 ALLYL COMPOUNDS and CHLORIDES.

DGH200 CAS: 10061-01-5 HR: 3
cis-1,3-DICHLOROPROPENE

mf: C₃H₄Cl₂ mw: 110.97

PROP: Flash p: 69.8°F (21°C), bp: 104.3°.

SYNS: (Z)-1,3-DICHLOROPROPENE □ cis-1,3-DICHLOROPROPYLENE

TOXICITY DATA with REFERENCE:

mmo-sat 20 µg/plate CNREA8 37,1915,77

mma-sat 20 µg/plate CNREA8 37,1915,77

dns-hmn:hla 100 µmol/L CALEDQ 20,263,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental neoplastigenic data. Human mutation data reported. A dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DGH225 CAS: 10061-02-6 HR: 3
trans-1,3-DICHLOROPROPENE

mf: C₃H₄Cl₂ mw: 110.97

PROP: Liquid with chloroform odor. Bp: 112°, flash p: 69.8°F (21°C).

SYNS: (E)-1,3-DICHLOROPROPENE □ trans-1,3-DICHLOROPROPYLENE

TOXICITY DATA with REFERENCE:

mmo-sat 20 µg/plate CNREA8 37,1915,77

mma-sat 20 µg/plate CNREA8 37,1915,77

dns-hmn:hla 100 µmol/L CALEDQ 20,263,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen.

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

DGH400 CAS: 78-88-6 HR: 3
2,3-DICHLOROPROPENE

mf: C₃H₄Cl₂ mw: 110.97

PROP: Flash p: 50°F, bp: 94°.

SYNS: 2,3-DICHLORO-1-PROPENE □ 2,3-DICHLOROPROPYLENE □ NSC-60520

TOXICITY DATA with REFERENCE:

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

mmo-sat 20 µg/plate CNREA8 37,1915,77

mma-sat 20 µg/plate CNREA8 37,1915,77

dns-hmn:hla 100 µmol/L CALEDQ 20,263,83

orl-rat LD50:320 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:500 ppm/4H AIHAAP 23,95,62

ihl-mus LC50:3100 mg/m³/2H 85GMAT -48,82

skn-rbt LD50:1580 mg/kg AIHAAP 23,95,62

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

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation and skin contact. Human mutation data reported. A severe skin irritant. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

DGH500 CAS: 66826-73-1 HR: 2
trans-1,3-DICHLOROPROPENE OXIDE

mf: C₃H₄Cl₂O mw: 126.97

PROP: Bp: 95–96° @ 132 mm.

SYNS: trans-2-CHLORO-3-(CHLOROMETHYL)OXIRANE □ trans-DCPO □ trans-1,3-DICHLORO-1,2-EPOXYPROPANE

TOXICITY DATA with REFERENCE:

otr-ham:emb 10 µmol/L JJND8 69,531,82

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

DGH600 CAS: 2736-73-4 HR: D
2,3-DICHLORO-2-PROPEN-1-OL

mf: C₃H₄Cl₂O mw: 126.97

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⁻.

DGH800 CAS: 10140-89-3 HR: 3
2,3-DICHLOROPROPIONALDEHYDE

mf: C₃H₄Cl₂O mw: 126.97

PROP: Liquid. Vap d: 4.4.

SYNS: 1,2-DICHLORO-3-PROPIONAL □ α,β-DICHLOROPROPIONALDEHYDE

TOXICITY DATA with REFERENCE:

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

skn-rbt 500 mg MOD SCCUR* -,3,61

eye-rbt 50 µg open SEV AMIHBC 4,119,51

mmo-sat 1 nmol/plate MUREAV 78,113,80

orl-rat LD50:160 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:2500 ppb/4H SCCUR* -,3,61

orl-mus LD50:250 mg/kg SCCUR* -,3,61

ihl-mus LCLo:9300 ppm/15M SCCUR* -,3,61

skn-rbt LD50:78 mg/kg AMIHBC 4,119,51

SAFETY PROFILE: Poison by ingestion and skin contact. Mildly toxic by inhalation. A severe skin and eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also ALDEHYDES and CHLORIDES.

DGI000 CAS: 709-98-8 HR: 3
DICHLOROPROPIONANILIDE

mf: C₉H₉Cl₂NO mw: 218.09

PROP: Light-brown solid (pure); liquid (technical grade). Mp (pure): 85–89°, bp (technical grade): 91–95°.

SYNS: BAY 30130 □ CHEM RICE □ CRYSTAL PROPANIL-4 □ DCPA □ N-(3,4-DICHLOROPHENYL)PROPANAMIDE □ N-(3,4-DICHLOROPHENYL)PROPIONAMIDE □ 3,4-DICHLORO-

PROPIONANILIDE □ 3',4'-DICHLOROPROPION-ANILIDE □
 DIPRAM □ DPA □ FARMCO PROPANIL □ FW 734 □ GRASCIDE
 □ HERBAX TECHNICAL □ MONTROSE PROPANIL □
 PROPANEX □ PROPANID □ PROPANIDE □ PROPANIL □
 PROPIONIC ACID-3,4-DICHLOROANILIDE □ PROP-JOB □
 RISELECT □ ROGUE □ ROSANIL □ S 10165 □ STAM □ STAM F
 34 □ STAM LV 10 □ STAM M-4 □ STAMPEDE □ STAMPEDE 3E
 □ STAM SUPERNOX □ STREL □ SUPERNOX □ SURCOPUR □
 SURPUR □ VERTAC

TOXICITY DATA with REFERENCE:

dnr-bcs 100 µg/disc NTIS** PB80-133226
 cyt-mus-unr 100 mg/kg TGANAK 14(6),41,80
 cyt-mus-orl 100 mg/kg CYGEDX 14(6),38,80
 orl-rat LD50:367 mg/kg KHZDAN 27,451,84
 orl-mus LD50:360 mg/kg GTPZAB 21(12),30,77
 orl-dog LD50:1217 mg/kg TXAPA9 23,650,72
 skn-rbt LD50:4830 mg/kg FMCHA2-,C197,83
 orl-mam LD50:2527 mg/kg NTIS** PB288-416

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by an unspecified route. Mildly toxic by skin contact. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DGI400 CAS: 75-99-0 HR: 2
2,2-DICHLOROPROPIONIC ACID

mf: C₃H₄Cl₂O₂ mw: 142.97

PROP: White to tan powder. D: 1.39 @ 22.6°/4°, bp: 185–190°. Sol in water.

SYNS: BASFAPON □ BASFAPON B □ BASFAPON/BASFAPON N □ BASINEX □ BH DALAPON □ CRISAPON □ DALAPON (USDA) □ DALAPON 85 □ DED-WEED □ DEVIPON □ α-DICHLOROPROPIONIC ACID □ α,α-DICHLOROPROPIONIC ACID □ DOWPON □ DOWPON M □ GRAMEVIN □ KENAPON □ LIROPON □ PROPROP □ RADAPON □ REVENGE □ UNIPON

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62
 mmo-omi 500 ppm IJEBA6 11,114,73
 skn-rat LD50:>5 g/kg FAATDF 7,299,86

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

OSHA PEL: TWA 1 ppm

ACGIH TLV: TWA 5 ppm, Not Classifiable as a Human Carcinogen

DFG MAK: 1 ppm (5.9 mg/m³)

SAFETY PROFILE: A corrosive with low toxicity by skin contact. A skin irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.

DGI600 CAS: 127-20-8 HR: 2
α,α-DICHLOROPROPIONIC ACID SODIUM SALT

mf: C₃H₃Cl₂O₂•Na mw: 164.95

SYNS: BASFAPON B □ DALAPON □ DALAPON SODIUM □ DALAPON SODIUM SALT □ 2,2-DICHLOROPROPIONIC ACID, SODIUM SALT □ DOWPON □ 2,2-DPA □ GRAMEVIN □ NATRIUMSALZ DER 2,2-DICHLOROPROPIONSAEURE □ RADAPON □ SODIUM DALAPON □ SODIUM-α,α-DICHLORO-PROPIONATE □ SODIUM-2,2-DICHLOROPROPIONATE □ UNIPON

TOXICITY DATA with REFERENCE:

cyt-mus-unr 200 mg/kg TGANAK 16(1),45,82
 orl-rat LD50:3860 mg/kg WRPCA2 9,119,70
 orl-mus LD50:4600 mg/kg JPIFAN (11),42,72
 orl-rbt LD50:3400 mg/kg 85DPAN -,71/76
 orl-gpg LD50:3400 mg/kg 85DPAN -,71/76
 orl-ckn LD50:5600 mg/kg DOEAAH 35,25,79
 orl-mam LD50:4 g/kg 85GYAZ -,86,71

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

DFG MAK: 1 ppm (6 mg/m³)

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of Na₂O and Cl⁻.

DGI630 CAS: 315706-69-5 HR: 3
2,4-DICHLORO-N-(4-PROPYLCYCLOHEXYL)-BENZAMIDE

mf: C₁₆H₂₁Cl₂NO mw: 314.25

TOXICITY DATA with REFERENCE:

orl-mus TDLo:47.1 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 and Cl⁻.

DGI700 CAS: 26952-23-8 HR: 3
DICHLOROPROPYLENE

DOT: UN 2047

mf: C₃H₄Cl₂ mw: 110.97

SYN: 1-PROPENE, DICHLORO-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.

DGI800 CAS: 2402-78-0 HR: 3
2,6-DICHLORO PYRIDINE

mf: C₅H₃Cl₂N mw: 147.99

TOXICITY DATA with REFERENCE:

orl-mus LD50:176 mg/kg OYAA2 33,825,87
 ipr-mus LD50:115 mg/kg TXAPA9 11,361,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGJ100 CAS: 1702-17-6 HR: 2
3,6-DICHLORO-2-PYRIDINECARBOXYLIC ACID

mf: C₆H₃Cl₂NO₂ mw: 192.00

PROP: Crystals from C₆H₆. Mp: 152–153°.

SYNS: CLOPYRALID □ 3,6-DICHLOROPICOLINIC ACID □ DOWCO 290 □ KYSELINA 3,6-DICHLORPIKOLINOVA □ LONTREL □ LONTREL 3 □ MATRIGON □ PICOLINIC ACID, 3,6-DICHLORO- □ 2-PYRIDINECARBOXYLIC ACID, 3,6-DICHLORO-(9CI) □ XRM 3972

TOXICITY DATA with REFERENCE:

orl-rat TDLo:150 mg/kg (female 6-15D post):TER
 FAATDF 4,91,84

orl-rat LD50:4300 mg/kg 85JFAN A433,85
 ipr-rat LD50:900 mg/kg DOVEAA 31,387,77
 orl-dck LD50:1465 mg/kg PEMNDP 8,189,87

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

DGJ150 CAS: 5437-33-2 HR: 3

3,5-DICHLORO-2-PYRIDONE

mf: C₅H₃Cl₂NO mw: 163.99

SYNS: 2-PYRIDINOL, 3,5-DICHLORO- □ 2(1H)-PYRIDINONE, 3,5-DICHLORO- □ 2(1H)-PYRIDONE, 3,5-DICHLORO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#05400

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGJ160 CAS: 88283-41-4 HR: 2
2',4'-DICHLORO-2-(3-PYRIDYL)ACETOPHEN-ONE o-METHYLOXIME

mf: C₁₄H₁₂Cl₂N₂O mw: 295.18

SYNS: 1-(2,4-DICHLOROPHENYL)-2-(3-PYRIDINYL)ETHAN-ONE o-METHYLOXIME □ DORADO □ ETHANONE, 1-(2,4-DICHLOROPHENYL)-2-(3-PYRIDINYL)-, o-METHYLOXIME □ PYRIFENOX □ RO 15-1297

TOXICITY DATA with REFERENCE:

orl-rat LD50:1705 mg/kg NNGADV 16,355,91

ihl-rat LC50:>2048 mg/m³ NNGADV 16,355,91

skn-rat LD50:>5 g/kg FMCHA2 -,C258,91

orl-mus LD50:2705 mg/kg NNGADV 16,355,91

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

DGJ175 CAS: 56-05-3 HR: 2

4,6-DICHLORO-2-PYRIMIDINAMINE

mf: C₄H₃Cl₂N₃ mw: 164.00

SYNS: PY 11 □ 2-PYRIMIDINAMINE, 4,6-DICHLORO- □ PYRIMIDINE, 2-AMINO-4,6-DICHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1500 mg/kg EPASR* 8EHQ-0892-10223

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

DGJ200 CAS: 3428-24-8 HR: 3

4,5-DICHLOROPYROCATECHOL

mf: C₆H₄Cl₂O₂ mw: 179.00

PROP: Prisms from CHCl₃. Mp: 116–117°.

SYNS: 4,5-DICHLORO-1,2-BENZENEDIOL □ 4,5-DICHLOROCATECHOL

TOXICITY DATA with REFERENCE:

mno-smc 75 mg/L MUREAV 119,273,83

ivn-mus LD50:42 mg/kg CSLNX* NX#07864

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

DGJ250 CAS: 86-98-6 HR: 3

4,7-DICHLOROQUINOLINE

mf: C₉H₅Cl₂N mw: 198.05

SYNS: QUINOLINE, 4,7-DICHLORO- □ TL 1473

TOXICITY DATA with REFERENCE:

mma-sat 500 nmol/plate MUREAV 42,335,77

scu-mus LDLo:80 mg/kg NDRC** 30101,8,45

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGJ950 CAS: 2213-63-0 HR: 3

2,3-DICHLOROQUINOXALINE

mf: C₈H₄Cl₂N₂ mw: 199.04

SYN: QUINOXALINE, 2,3-DICHLORO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:5600 µg/kg CSLNX* NX#03256

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGK000 CAS: 1919-43-3 HR: 2

2,3-DICHLOROQUINOXALINE-6-CARBONYL-CHLORIDE

mf: C₉H₃Cl₃N₂O mw: 261.49

SYN: 2,3-DICHLOROCHINOXALIN-6-KARBONYLCHLORID (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,868,86

eye-rbt 100 mg/24H SEV 28ZPAK -,150,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGK100 CAS: 53-85-0 HR: D

5,6-DICHLORO-1-β-d-RIBOFURANOSYL-BENZIMIDAZOLE

mf: C₁₂H₁₂Cl₂N₂O₄ mw: 319.16

SYN: DRB

TOXICITY DATA with REFERENCE:

oms-oin:oth 65 µmol/L BBACAQ 697,213,82

oms-hmn:hla 40 µmol/L PNASA6 79,2569,82

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

DGK200 CAS: 320-72-9 HR: 3

3,5-DICHLOROSALICYLIC ACID

mf: C₇H₄Cl₂O₃ mw: 207.01

PROP: Crystals from EtOH (aq). Mp: 219–220° (subl).

SYN: USAF DO-68

TOXICITY DATA with REFERENCE:

ipr-mus LD50:50 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGK250 CAS: 3401-80-7 HR: 3
3,6-DICHLOROSALICYLIC ACID

mf: $\text{C}_7\text{H}_4\text{Cl}_2\text{O}_3$ mw: 207.01

SYNS: BENZOIC ACID, 3,6-DICHLORO-2-HYDROXY-(9CI) □
 3,6-DICHLORO-2-HYDROXYBENZOIC ACID □ SALICYLIC
 ACID, 3,6-DICHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:1560 mg/kg GISAAA 43(10),95,78

orl-mus LD50:660 mg/kg GISAAA 43(10),95,78

ipr-mus LD50:50 mg/kg NTIS** PB85-143766

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGK300 CAS: 4109-96-0 HR: 3
DICHLOROSILANE

mf: $\text{Cl}_2\text{H}_2\text{Si}$ mw: 101.01

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

PROP: A gas. Mp: -122° , bp: 8.3° .

SYNS: CHLOROSILANE □ DICHLOROSILANE □ SILICON
 CHLORIDE HYDRIDE

TOXICITY DATA with REFERENCE:

ihl-rat LC50:215 ppm JTSCDR 18,394,93

SAFETY PROFILE: Moderately toxic by inhalation. Ignites spontaneously in air. Confined mixtures with air are spontaneously explosive. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROSILANES.

DGK400 CAS: 73926-91-7 HR: 2
2,2'-DICHLORO-4,4'-STILBENEDIAMINE

mf: $\text{C}_{14}\text{H}_{12}\text{Cl}_2\text{N}_2$ mw: 279.18

SYNS: 4,4'-DIAMINO-2,2'-DICHLOROSTILBENE □ 2,2'-
 DICHLORO-4,4'-STILBENAMINE

TOXICITY DATA with REFERENCE:

scu-rat TDLo:1400 mg/kg/W-I:ETA BMBUAQ 14,141,58

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

DGK600 CAS: 73926-92-8 HR: 2
3,3'-DICHLORO-4,4'-STILBENEDIAMINE

mf: $\text{C}_{14}\text{H}_{12}\text{Cl}_2\text{N}_2$ mw: 279.18

SYN: 4,4'-DIAMINO-3,3'-DICHLOROSTILBENE

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

DGK800 CAS: 6607-45-0 HR: 2
DICHLOROSTYRENE

mf: $\text{C}_8\text{H}_6\text{Cl}_2$ mw: 173.04

PROP: Liquid. Flash p: 225°F (OC), vap d: 6.0.

SYNS: α,β -DICHLOROSTYRENE □ DWUCHLOROSTYREN
 (POLISH)

TOXICITY DATA with REFERENCE:

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

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

orl-rat LD50:4000 mg/kg JIHTAB 30,63,48

skn-rbt LD50:9 g/kg JIHTAB 30,63,48

SAFETY PROFILE: Moderately toxic by ingestion.

Mildly toxic by skin contact. A skin and severe eye irritant.

Combustible when exposed to heat, flame or oxidizers.

Dangerous; see CHLORIDES. Can react vigorously with oxidizing materials. When heated to decomposition it emits toxic fumes of Cl^- . To fight fire, use CO_2 , dry chemical.

DGK900 CAS: 2736-23-4 HR: 2
2,4-DICHLORO-5-SULFAMOYL-BENZOIC ACID

mf: $\text{C}_7\text{H}_5\text{Cl}_2\text{NO}_4\text{S}$ mw: 270.09

SYNS: BENZOIC ACID, 5-(AMINOSULFONYL)-2,4-DICHLORO-
 □ BENZOIC ACID, 2,4-DICHLORO-5-SULFAMOYL- □ 2,4-
 DICHLORO-5-SULPHAMOYL-BENZOIC ACID

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV FCTOD7 20,573,82

eye-rbt 100 mg/4S RNS MLD FCTOD7 20,573,82

ipr-mus LD50:15 g/kg PCJOAU 19,697,85

SAFETY PROFILE: Slightly toxic by intraperitoneal route. A severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x , SO_x , and Cl^- .

DGL200 CAS: 3001-57-8 HR: 3
3,4-DICHLOROSULFOLANE

mf: $\text{C}_4\text{H}_6\text{Cl}_2\text{O}_2\text{S}$ mw: 189.06

SYNS: DAC PRO □ 3,4-DICHLOROTETRAHYDROTHIO-
 PHENE-1,1-DIOXIDE □ DICHLOROTHIOLANE DIOXIDE □
 PRD EXPERIMENTAL NEMATOCIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:482 mg/kg 28ZEAL 5,76,76

ipr-mus LD50:23 mg/kg RPTOAN 41,257,78

ivn-mus LD50:56 mg/kg CSLNX* NX#03183

skn-rbt LD50:1130 mg/kg TXAPA9 28,313,74

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

DGL400 CAS: 127-21-9 HR: 3
DICHLOROTETRAFLUOROACETONE

mf: $\text{C}_3\text{Cl}_2\text{F}_4\text{O}$ mw: 198.93

PROP: A colorless liquid. Miscible with water and many org solvs. Bp: 44° , fp: $<-100^\circ$, d: 1.52 @ $20^\circ/4^\circ$.

SYNS: ACETONE-1,3-DICHLORO-1,1,3,3-
 TETRAFLUOROACETONE □ sym-
 DICHLOROTETRAFLUOROACETONE □ 1,3-DICHLORO-1,1,3,3-
 TETRAFLUORO-2-PROPANONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:61 mg/kg TXAPA9 7,592,65

ihl-rat LCLo:50 ppm/6H TXAPA9 7,592,65

skn-rat LD50:91 mg/kg TXAPA9 7,592,65

ivn-mus LD50:180 mg/kg CSLNX* NX#01749

skn-rbt LD50:146 mg/kg 34ZIAG -,213,69

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

DGL600 CAS: 1320-37-2 HR: 1**DICHLOROTETRAFLUOROETHANE****DOT:** UN 1958mf: C₂Cl₂F₄ mw: 170.92**PROP:** Colorless gas. Bp: 3.5°.**SYNS:** DWUCHLOROCZTEROFUOROETAN (POLISH) □ R114 (DOT) □ TETRAFLUORODICHLOROETHANE**TOXICITY DATA with REFERENCE:**

ihl-mus LCLo:700,000 ppm/30M AMPMAR 30,447,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 1000 ppm**ACGIH TLV:** TWA 1000 ppm**DOT CLASSIFICATION:** 2.2; Label: Nonflammable Gas**SAFETY PROFILE:** A mildly toxic irritant; narcotic in high concentrations. An asphyxiant. Reacts violently with alcohol. When heated to decomposition it emits toxic fumes of F⁻ and Cl⁻.**DGL700 CAS: 93251-89-9 HR: D****DICHLORO(2,3,6,7-TETRAHYDRO-1H,5H-BENZO(i,j)QUINOLIZINE)PLATINUM**mf: C₁₂H₁₅Cl₂NPt mw: 439.27**PROP:** IDLH 4 mg/m³ (as Pt).**SYN:** PLATINUM, DICHLORO(2,3,6,7-TETRAHYDRO-1H,5H-BENZO(i,j)QUINOLIZINE)-**TOXICITY DATA with REFERENCE:**

mic-esc 12 µLg/plate TECSYD 8,81,1984

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, Pt, and Cl⁻.**DGL800 CAS: 3511-19-1 HR: 2****2,3-DICHLOROTETRAHYDROFURAN**mf: C₄H₆Cl₂O mw: 141.00**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl⁻. See also TETRAHYDROFURAN and CHLORIDES.**DGL825 CAS: 22933-76-2 HR: D****trans-DICHLOROTETRAKIS(3-PICOLINE)-RHODIUM CHLORIDE**mf: C₂₄H₂₈Cl₂N₄Rh•Cl mw: 581.82**PROP:** IDLH 100 mg/m³ (as Rh).**SYN:** RHODIUM(1+), DICHLOROTETRAKIS(3-PICOLINE)-, CHLORIDE, (E)-**TOXICITY DATA with REFERENCE:**

mic-sat 5 nmol/plate MUREAV 88,165,1981

ACGIH TLV: TWA 1 mg(Rh)/m³. Not Classifiable as a human carcinogen.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, Rh, and Cl⁻.**DGL835 CAS: 14077-30-6 HR: D****trans-DICHLOROTETRAKIS(PYRIDINE)-****RHODIUM CHLORIDE**mf: C₂₀H₂₀Cl₂N₄Rh•Cl mw: 525.70**PROP:** IDLH 100 mg/m³ (as Rh).**SYN:** RHODIUM(1+), DICHLOROTETRAKIS(PYRIDINE)-, CHLORIDE, (E)-**TOXICITY DATA with REFERENCE:**

mic-sat 50 nmol/plate MUREAV 88,165,1981

ACGIH TLV: TWA 1 mg(Rh)/m³. Not Classifiable as a human carcinogen.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, Rh, and Cl⁻.**DGL875 CAS: 6522-40-3 HR: 3**
endo-2,5-DICHLORO-7-THIABICYCLO(2.2.1)HEPTANEmf: C₆H₈Cl₂S mw: 183.10**SAFETY PROFILE:** Mixtures with dimethylformamide + sodium tetrahydroborate explode when heated. When heated to decomposition it emits toxic fumes of Cl⁻ and SO_x.**DGM600 CAS: 1918-13-4 HR: 3****2,6-DICHLOROTHIOBENZAMIDE**mf: C₇H₅Cl₂NS mw: 206.09**PROP:** A solid. Mp: 152°. Sltly sol in H₂O.**SYNS:** CHLOROTHIAMIDE □ DCBN □ 2,6-DICHLOROBENZENECARBOTHIOAMIDE □ SD 7961 □ WL-5792**TOXICITY DATA with REFERENCE:**

cyt-mus-unr 500 mg/kg TGANAK 14(6),41,80

cyt-mus-orl 500 mg/kg CYGEDX 14(6),38,80

orl-rat LD50:757 mg/kg WRPCA2 9,119,70

skn-rat LD50:1000 mg/kg WRPCA2 9,119,70

ipr-rat LD50:242 mg/kg ATXKA8 23,42,67

orl-mus LD50:500 mg/kg ATXKA8 23,42,67

orl-rbt LD50:300 mg/kg ATXKA8 23,42,67

orl-ckn LD50:500 mg/kg 28ZEAL 5,50,76

orl-dom LDLo:125 mg/kg ATXKA8 23,42,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal route. Moderately toxic by skin contact. Mutation data reported. An herbicide. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.**DGM700 CAS: 95-73-8 HR: 2****2,4-DICHLOROTOLUENE**mf: C₇H₆Cl₂ mw: 161.03**SYNS:** BENZENE, 2,4-DICHLORO-1-METHYL-(9CI) □ 2,4-DICHLORO-1-METHYLBENZENE □ TOLUENE, 2,4-DICHLORO-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4600 mg/kg GISAAA 53(2),80,88

orl-mus LD50:2900 mg/kg GISAAA 53(2),80,88

orl-gpg LD50:5 g/kg GISAAA 53(2),80,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGM730 CAS: 82692-44-2 HR: 1
2-(4-(2,4-DICHLORO-m-TOLUOYL)-1,3-DIMETHYLPYRAZOL-5-YLOXY)-4'-METHYLACETOPHENONE

mf: $\text{C}_{22}\text{H}_{20}\text{Cl}_2\text{N}_2\text{O}_3$ mw: 431.34

SYNS: BENZOFENAP □ ETHANONE, 2-((4-(2,4-DICHLORO-3-METHYLBENZOYL)-1,3-DIMETHYL-1H-PYRAZOL-5-YL)OXY)-1-(4-METHYLPHENYL)- □ MY-71 □ YUKAWIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NNGADV 15,125,1990
 eye-rbt 100 mg MLD NNGADV 15,125,1990
 orl-rat TDLo:2 g/kg (female 6-15D post):REP NNGADV 15,125,1990
 orl-rat LD50:>15 g/kg NNGADV 15,125,1990
 ihl-rat LC50:>1930 mg/m³/4H NNGADV 15,125,1990
 skn-rat LD50:>5 g/kg NNGADV 15,125,1990
 ipr-rat LD50:1094 mg/kg NNGADV 15,125,1990
 scu-rat LD50:>5 g/kg NNGADV 15,125,1990
 orl-mus LD50:>15 g/kg NNGADV 15,125,1990
 skn-mus LD50:>5 g/kg NNGADV 15,125,1990
 ipr-mus LD50:>5 g/kg NNGADV 15,125,1990
 scu-mus LD50:>5 g/kg NNGADV 15,125,1990

SAFETY PROFILE: Low toxicity by ingestion, inhalation, skin contact, and intraperitoneal routes. Experimental reproductive effects. A skin and eye irritant. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

DGM875 CAS: 644-62-2 HR: 3
N-(2,6-DICHLORO-m-TOLYL)ANTHRANILIC ACID

mf: $\text{C}_{14}\text{H}_9\text{Cl}_2\text{NO}_2$ mw: 296.16

PROP: Powder or white crystals from acetone that lose water. Mp: 287–291°. Solubility (mg/mL): water 0.03; 0.1N NaOH 28, pH of saturated aq soln: approx. 6.9.

SYNS: ARQUEL □ 2-((2,6-DICHLORO-3-METHYLPHENYL)AMINO)-BENZOIC ACID (9CI) □ INF 4668 □ MECLOFENAMIC ACID □ MECLOPHENAMIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:100 mg/kg AGACBH 7,481,77
 ipr-rat LD50:109 mg/kg JPETAB 148,422,65

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

DGN000 CAS: 29098-15-5 HR: 3
N-(2,6-DICHLORO-m-TOLYL)ANTHRANILIC ACID ETHOXYMETHYL ESTER

mf: $\text{C}_{17}\text{H}_{17}\text{Cl}_2\text{NO}_3$ mw: 354.25

PROP: Crystals from EtOH. Mp: 73–74°.

SYNS: 2-((2,6-DICHLORO-3-METHYLPHENYL)AMINO)-BENZOIC ACID ETHOXYMETHYL ESTER □ ESTERE ETOSIMETILICO dell' ACIDO N-(2,6-DICHLORO-m-TOLIL)-ANTHRANILICO (ITALIAN) □ ETHOXYMETHYL-N-(2,6-DICHLORO-m-TOLYL)ANTHRANILATE □ ETOCLOFENE □ ETOFEN □ TEROFENAMATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:918 mg/kg DRFUD4 1,421,76

ipr-mus LD50:300 mg/kg DRFUD4 1,421,76

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An analgesic and anti-inflammatory agent. See also ESTERS. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

DGN200 CAS: 2782-57-2 HR: 2
1,3-DICHLORO-s-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE

DOT: UN 2465

mf: $\text{C}_3\text{H}_2\text{Cl}_2\text{N}_3\text{O}_3$ mw: 198.98

PROP: White crystals; chlorine odor. Mp: 226–226.7°. Moderately sol in water.

SYNS: ACL 70 □ CDB 60 □ DICHLOROCYANURIC ACID □ DICHLOROISOCYANURATE □ DICHLOROISOCYANURIC ACID □ DICHLOROISOCYANURIC ACID, dry or dichloroisocyanuric acid salts (DOT) □ FI CLOR 71 □ HILITE 60 □ ISOCYANURIC ACID, DICHLORO- □ ISOCYANURIC DICHLORIDE □ ORCED □ KYSELINA DICHLORISOKYANUROVA (CZECH) □ TROCLOSENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV 34ZIAG -,167,69
 eye-rbt 100 MG SEV 34ZIAG -,167,69
 orl-hmn LDLo:3570 mg/kg:GIT 34ZIAG -,167,69
 orl-rat LD50:1173 mg/kg MarJV# 29MAR77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 5.1; Label: Oxidizer

SAFETY PROFILE: Moderately toxic by ingestion. Human systemic effects by ingestion: ulceration or bleeding from stomach. Autopsy findings include gastrointestinal tract irritation, tissue edema, liver and kidney congestion. A severe eye and skin irritant. When heated to decomposition it emits chlorides and carbon monoxide.

DGN400 CAS: 4499-01-8 HR: 2
2-(4,6-DICHLORO-s-TRIAZIN-2-YLAMINO)-4-(4-AMINO-3-SULFO-1-ANTHRAQUINONYLAMINO)BENZENESULFONIC ACID, DISODIUM SALT

mf: $\text{C}_{23}\text{H}_{12}\text{Cl}_2\text{N}_6\text{O}_8\text{S}_2 \cdot 2\text{Na}$ mw: 681.41

SYN: MODR BRILANTNI OSTAZINOVA S-R (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV 28ZPAK -,242,72
 orl-rat LD50:8980 mg/kg 28ZPAK -,242,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , Na_2O , and SO_x .

DGN600 CAS: 73826-58-1 HR: 1
4-(4,6-DICHLORO-s-TRIAZIN-2-YLAMINO)-5-HYDROXY-6-(2-HYDROXY-5-NITROPHENYL-AZO)-2,7-NAPHTHALENEDISULFONIC ACID

mf: $\text{C}_{19}\text{H}_{11}\text{Cl}_2\text{N}_7\text{O}_{10}\text{S}_2$ mw: 632.39

SYN: CERN OSTAZINOVA H-N (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,234,72
 eye-rbt 500 mg/24H MLD 28ZPAK -,234,72

orl-rat LD50:9120 mg/kg 28ZPAK -,234,72

SAFETY PROFILE: Mildly toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Cl⁻.

DGN800 CAS: 6522-86-7 HR: 1
5-(3,5-DICHLORO-s-TRIAZINYLAMINO)-4-HYDROXY-3-PHENYLAZO-2,7-NAPHTHALENEDISULFONIC ACID

mf: C₁₉H₁₂Cl₂N₆O₇S₂ mw: 571.39

SYN: CERVEN BRILANTNI OSTAZINOVA S-5B (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,235,72

orl-rat LD50:7460 mg/kg 28ZPAK -,235,72

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

DGO000 CAS: 73816-75-8 HR: 1
2-(6-(4,6-DICHLORO-s-TRIAZINYLMETHYL-AMINO-1-HYDROXY-3-SULFONAPHTHYLAZO)-1,5-NAPHTHALENEDISULFONIC ACID

mf: C₂₄H₁₆Cl₂N₆O₁₀S₃ mw: 715.54

SYN: ORANZ BRILANTNI OSTAZINOVA S-2R (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,237,72

eye-rbt 500 mg/24H MLD 28ZPAK -,237,72

orl-rat LD50:8500 mg/kg 28ZPAK -,237,72

SAFETY PROFILE: Mildly toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.

DGO200 CAS: 72596-01-1 HR: D
DICHLORO(4,5,6-TRICHLORO-o-PHENYLENE-DIAMMINE)PLATINUM(II)

mf: C₆H₅Cl₅N₂Pt mw: 477.47

PROP: IDLH 4 mg/m³ (as Pt).

TOXICITY DATA with REFERENCE:

mmo-sat 19 nmol/L JMCMAR 23,459,80

SAFETY PROFILE: Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DGO250 CAS: 14883-62-6 HR: D
cis-DICHLORO(TRIETHYLENETETRAMINE)-RHODIUM(1+) CHLORIDE

mf: C₆H₁₈Cl₂N₄Rh•Cl mw: 355.54

PROP: IDLH 100 mg/m³ (as Rh).

SYNS: RHODIUM(1+),

DICHLORO(TRIETHYLENETETRAMINE)-, CHLORIDE, (Z)- □

RHODIUM(1+), (N,N'-BIS(2-AMINOETHYL)-1,2-ETHANEDI-AMINE-N,N',N'',N''')DICHLORO-, CHLORIDE

TOXICITY DATA with REFERENCE:

mic-sat 2 μmol/plate MUREAV 88,165,1981

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

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

DGO300 CAS: 328-84-7 HR: 3

1,2-DICHLORO-4-(TRIFLUOROMETHYL)-BENZENE

mf: C₇H₃Cl₂F₃ mw: 215.00

SYNS: BENZENE, 1,2-DICHLORO-4-(TRIFLUOROMETHYL)- □ 3,4-DICHLOROBENZOTRIFLUORIDE □ TOLUENE, 3,4-DICHLORO-α,α,α-TRIFLUORO- (6Cl,8Cl)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1960 μL/kg NTIS** OTS0526715

ihl-rat LC :>15,860 mg/m³/4H NTIS** OTS0526717

skn-rat LD :>5 μL/kg NTIS** OTS0526760

skn-rbt LD50:>5 g/kg NTIS** OTS0526750

SAFETY PROFILE: A poison by ingestion. Low toxicity by skin contact. When heated to decomposition it emits toxic vapors of F⁻ and Cl⁻.

DGO400 CAS: 3615-21-2 HR: 3
4,5-DICHLORO-2-TRIFLUOROMETHYL-BENZIMIDAZOLE

mf: C₈H₃Cl₂F₃N₂ mw: 255.03

PROP: A solid. Mp: 212–214°.

SYNS: CHLORFLURAZOLE □ CHLOROFLURAZOLE □ NC 3363

TOXICITY DATA with REFERENCE:

orl-rat LD50:13,080 μg/kg PSSCBG 15,31,84

ipr-mus LD50:14 mg/kg BCPA6 18,1389,69

orl-ckn LD50:34 mg/kg GUCHAZ 6,101,73

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

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

DGO600 CAS: 64048-90-4 HR: 3
DICHLORO(m-TRIFLUOROMETHYLPHENYL)-ARSINE

mf: C₇H₅AsCl₂F₃ mw: 291.94

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:380 mg/m³ NDRC** -,12,43

ihl-hmn LCLo:28 ppm/10M NTIS** PB214-270

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: A human poison by inhalation. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of As, Cl⁻, and F⁻.

DGO800 CAS: 594-31-0 HR: 3
DICHLOROTRIPHENYLANTIMONY

mf: C₁₈H₁₅Cl₂Sb mw: 423.98

PROP: Crystals from MeOH or EtOH/CHCl₃. Mp: 143°.

SYNS: ANTIMONY TRIPHENYLDICHLORIDE □ DICHLORO-TRIPHENYSTIBINE □ TRIPHENYLANTIMONY DICHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:195 mg/kg MarJV# 29MAR77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. 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:** TWA 0.5 mg/m³**SAFETY PROFILE:** Poison by ingestion. See also ANTIMONY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and Sb.**DGP000 CAS: 627-72-5 HR: 3**
S-DICHLOROVINYL-L-CYSTEINEmf: C₅H₇Cl₂NO₂S mw: 216.09**SYNS:** S-(1,2-DICHLOROETHYLENEYL)-L-CYSTEINE □ 1-3-((1,2-DICHLOROVINYL)THIO)ALANINE**TOXICITY DATA with REFERENCE:**

mma-sat 1 µg/plate CBINA8 54,15,85

ipr-rat LDLo:50 mg/kg FCTXAV 3,67,65

ipr-mus LD50:45 mg/kg FCTXAV 3,67,65

ivn-rbt LDLo:10 mg/kg FCTXAV 3,67,65

ipr-gpg LDLo:20 mg/kg FCTXAV 3,67,65

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.**DGP125 CAS: 13419-46-0 HR: D**
S-(trans-1,2-DICHLOROVINYL)-L-CYSTEINEmf: C₅H₇Cl₂NO₂S mw: 216.09**SYN:** (E)-S-(1,2-DICHLOROETHENYL)-L-CYSTEINE (9CI)**TOXICITY DATA with REFERENCE:**

dnd-rbt-ivn 20 mg/kg TXCYAC 35,25,85

dnd-rbt-ipr 100 mg/kg TXCYAC 35,25,85

dnd-rbt:kdy 100 µmol/L TXCYAC 35,25,85

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻, NO_x, and SO_x.**DGP200 CAS: 626-16-4 HR: 3**
α,α'-DICHLORO-m-XYLENEmf: C₈H₈Cl₂ mw: 175.06**PROP:** Crystals from EtOH. Mp: 32–34°, bp: 254°.**SYNS:** 1,3-BIS(CHLOROMETHYL)BENZENE □ m-XYLYLENE DICHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate MUREAV 191,79,87

ivn-mus LD50:100 mg/kg CSLNX* NX#03828

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Mutation data reported. See also CHLORINATED HYDROCARBONS, AROMATIC. When heated to decomposition it emits toxic fumes of Cl⁻.**DGP400 CAS: 612-12-4 HR: 3**
α,α'-DICHLORO-o-XYLENEmf: C₈H₈Cl₂ mw: 175.06**PROP:** Crystals from pet ether. D: 1.39 @ 0°, mp: 55°, bp: 239–241°.**SYNS:** 1,2-BIS(CHLOROMETHYL)BENZENE □ o-XYLYLENE DICHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate MUREAV 191,79,87

ivn-mus LD50:320 mg/kg CSLNX* NX#03225

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Mutation data reported. See also CHLORINATED HYDROCARBONS, AROMATIC. When heated to decomposition it emits toxic Cl⁻.**DGP600 CAS: 623-25-6 HR: 2**
α,α'-DICHLORO-p-XYLENEmf: C₈H₈Cl₂ mw: 175.06**PROP:** Platelets from hexane or EtOH. Mp: 104.1–104.3°, bp: 240–245° (decomp).**SYNS:** 1,4-BIS(CHLOROMETHYL)BENZENE □ p-XYLYLENE DICHLORIDE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg MOD 34ZIAG -,213,69

mmo-sat 100 µg/plate MUREAV 191,79,87

orl-rat LD50:1780 mg/kg 34ZIAG -,213,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. A skin and eye irritant. Mutation data reported. See also CHLORINATED HYDROCARBONS, AROMATIC. When heated to decomposition it emits toxic fumes of Cl⁻.**DGP800 CAS: 120-67-2 HR: 2**
2,4-DICHLORPHENYL "CELLOSOLVE"mf: C₈H₈Cl₂O₂ mw: 207.06**SYN:** 2-(2,4-DICHLOROPHENOXY)ETHANOL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1410 mg/kg UCDS** 12/29/71

skn-rbt LD50:1250 mg/kg UCDS** 12/29/71

SAFETY PROFILE: Moderately toxic by skin contact and ingestion. When heated to decomposition it emits toxic fumes of Cl⁻.**DGP900 CAS: 62-73-7 HR: 3**
DICHLORVOSmf: C₄H₇Cl₂O₄P mw: 220.98**PROP:** Liquid with aromatic odor. Bp: 120° @ 14 mm, bp: 88° @ 3 mm. Sltly sol in water and glycerin; misc with aromatic and chlorinated hydrocarbon solvents and alc. IDLH 100 mg/m³.**SYNS:** APAVAP □ ASTROBOT □ ATGARD □ BAY 19149 □ BENFOS □ BIBESOL □ BREVINYL □ CANOGARD □ CEKUSAN □ CHLORVINPHOS □ CYANOPHOS □ CYPONA □ DDVF □ DDVP □ DEDEVAP □ DERIBAN □ DERRIBANTE □ DEVIKOL □ (2,2-DICHLOR-VINYL)-DIMETHYL-FOSFAAT (DUTCH) □ DICHLORVO (DUTCH) □ DICHLORFOS (POLISH) □ 2,2-DICHLOROETHENOL DIMETHYL PHOSPHATE □ 2,2-DICHLOROETHENYL DIMETHYL PHOSPHATE □ 2,2-DICHLOROETHENYL PHOSPHORIC ACID DIMETHYL ESTER □ DICHLOROPHOS □ DICHLOROVAS □ 2,2-DICHLOROVINYL ALCOHOL, DIMETHYL PHOSPHATE □ 2,2-DICHLOROVINYL DIMETHYL PHOSPHATE □ 2,2-DICHLOROVINYL DIMETHYL PHOSPHORIC ACID ESTER □ DICHLOROVOS □ DICHLORPHOS □ (2,2-DICHLOR-VINYL)-DIMETHYL-PHOSPHAT (GERMAN) □ O-(2,2-DICHLORVINYL)-O,O-DIMETHYLPHOSPHAT (GERMAN) □ (2,2-DICLORO-VINIL)DIMETILFOSFATO (ITALIAN) □ DIMETHYL-2,2-DICHLOROETHENYL PHOS-

PHATE □ DIMETHYL DICHLOROVINYL PHOSPHATE □ O,O-DIMETHYL DICHLOROVINYL PHOSPHATE □ DIMETHYL-2,2-DICHLOROVINYL PHOSPHATE □ O,O-DIMETHYL-O-2,2-DICHLOROVINYL PHOSPHATE □ O,O-DIMETHYL-O-(2,2-DICHLOROVINYL)-PHOSPHAT (GERMAN) □ DIVIPAN □ DQUIGARD □ DUO-KILL □ DURAVOS □ ENT 20,738 □ EQUIGEL □ ESTROSEL □ ESTROSOL □ FECAMA □ FLY-DIE □ FLY FIGHTER □ HERKAL □ KRECALVIN □ LINDAN □ MAFU □ MARVEX □ MOPARI □ NCI-C00113 □ NERKOL □ NOGOS □ NO-PEST □ NO-PEST STRIP □ NSC-6738 □ NUVA □ OKO □ OMS 14 □ PHOSPHATE de DIMETHYLE et de 2,2-DICHLOROVINYLE (FRENCH) □ PHOSPHORIC ACID-2,2-DICHLOROETHENYL DIMETHYL ESTER □ PHOSVIT □ SD-1750 □ SZKLARNIAK □ TAP 9VP □ TASK □ TASK TABS □ TENAC □ TETRAVOS □ VAPONA □ VAPONITE □ VERDICAN □ VERDIPOR □ VINILOFOS □ VINYLOPHOS

TOXICITY DATA with REFERENCE:

dns-hmn:oth 65 mmol/L PSSCBG 15,439,84
 dni-hmn:lym 62 mg/L TUMOAB 66,425,80
 cyt-ham-ipr 3 mg/kg ARTODN 58,152,85
 orl-rat TDLo:4120 mg/kg/2Y-C:NEO NTPTR* NTP-TR-342,89
 orl-rat TDLo:2060 mg/kg/2Y-C:CAR JJCREP 82,157,91
 orl-mus TDLo:20,600 mg/kg/2Y-C:CAR NTPTR* NTP-TR-342,89
 orl-rat LD50:17 mg/kg JPIFAN (13),36,72
 ihl-rat LC50:15 mg/m³/4H GISAAA 33(12),35,68
 skn-rat LD50:70,400 µg/kg APYPAY 32,507,81
 ipr-rat LD50:23,300 µg/kg IJPPAZ 31,19,87
 scu-rat LD50:10,800 µg/kg APYPAY 32,507,81
 orl-mus LD50:61 mg/kg OSDIAF 15,553,66
 ihl-mus LC50:13 mg/m³/4H GISAAA 33(12),35,68
 skn-mus LD50:206 mg/kg ABCHA6 27,684,63
 ipr-mus LD50:22 mg/kg JAFCAU 11,91,63
 scu-mus LD50:24 mg/kg IMSUAI 31,170,62
 ivn-mus LD50:18 mg/kg CSLNX* NX#00004
 orl-dog LD50:100 mg/kg 85JFAN A141,84
 orl-rbt LD50:10 mg/kg BEXBAN 83,32,77
 skn-rbt LD50:107 mg/kg BESAAT 12,117,66

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 53,267,91; Animal Sufficient Evidence IMEMDT 53,267,91; Animal Inadequate Evidence IMEMDT 20,97,79; Human No Adequate Data IMEMDT 20,97,79; Human Inadequate Evidence IMEMDT 53,267,91. NCI Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-10,77. EPA Genetic Toxicology Program. Community Right-To-Know List. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 1 mg/m³ (skin)

ACGIH TLV: TWA 0.1 ppm (skin, sensitizer); Not Classifiable as a Human Carcinogen

DFG MAK: 0.1 ppm (1 mg/m³)

SAFETY PROFILE: Confirmed carcinogen with carcinogenic and tumorigenic data. Poison by ingestion, inhalation, skin contact, subcutaneous, intravenous, and intraperitoneal routes. Experimental teratogenic and reproductive effects. Human mutation data reported. A cholinesterase inhibitor, it is used in flea (pest) collars for pets. No neurotoxicity has been observed. It is very rapidly metabolized and excreted. When heated to decomposition it emits very toxic fumes of Cl⁻ and PO_x. See also PARATHION.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-62.

DGQ200 CAS: 116-52-9 HR: 1
DICLORALUREA

mf: C₅H₆Cl₆N₂O₃ mw: 354.83

SYNS: 1,3-BIS(1-HYDROXY-2,2,2-TRICHLOROETHYL)UREA □ 1,3-BIS(2,2,2-TRICHLORO-1-HYDROXYETHYL)UREA □ CRAG DCU-73w □ CRAG EXPERIMENTAL HERBICIDE 2 □ CRAG HERBICIDE 2 □ DCM □ DCU □ DICLORAL UREA □ DKhM □ EH2 □ EXPERIMENTAL HERBICIDE 2

TOXICITY DATA with REFERENCE:

skn-rbt 50 mg open MLD UCDS** 4/25/68
 cyt-mus-ori 5 g/kg CYGEDX 11(4),62,77
 ori-rat LD50:6680 mg/kg 28ZEAL 5,74,76

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. Mutation data reported. A pesticide. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DGQ300 CAS: 12045-01-1 HR: 3
DICOBALT BORIDE

mf: BCo₂ mw: 128.68

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

SAFETY PROFILE: Ignites spontaneously in air when dry. See also COBALT COMPOUNDS and BORON COMPOUNDS.

DGQ400 CAS: 36499-65-7 HR: 3
DICOBALT EDETATE

mf: C₁₀H₁₂CoN₂O₈•Co mw: 406.10

SYNS: Ba 2724 □ COBALT(2)-EDATHAMIL □ DICOBALT EDTA □ ((ETHYLENEDINITRILO)TETRAACETATO(2-))-COBALTATE (2-) COBALT(2+) SALT □ KOBALT-EDTA (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:100 mg/kg AEPPAE 243,254,62
 ivn-rat LD50:43 mg/kg AIPTAK 143,219,63

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

NIOSH REL: (Cobalt) TWA Insufficient evidence for recommending limit

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

DGQ500 CAS: 965-52-6 HR: 3
DICOFERIN

mf: C₁₂H₉N₃O₅ mw: 275.24

PROP: Crystals from pyridine. Mp: 298°. Practically insol in water.

SYNS: BACIFURANE □ DIARLIDAN □ ERCEFUROL □ ERCEFURYL □ 4-HYDROXYBENZOIC ACID ((5-NITRO-2-FURANYL)METHYLENE)HYDRAZIDE □ p-HYDROXYBENZOIC ACID (5-NITROFURFURYLIDENE)HYDRAZIDE □ NIFUROXAZID □ NIFUROXAZIDE □ (NITRO-5' FURFURYLIDENE-2) HYDROXY-4 BENZHYDRAZIDE (FRENCH) □ PENTOFURYL □ R.C. 27-109 □ RC 30-109

TOXICITY DATA with REFERENCE:

mno-sat 500 ng/plate MUREAV 157,1,85

mma-sat 500 ng/plate MUREAV 157,1,85
 orl-mus LDLo:6000 mg/kg APFRAD 21,287,63
 ipr-mus LD50:100 mg/kg JPPMAB 16,663,64

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

DGQ600 CAS: 1117-94-8 HR: 3
DICOPPER(I) ACETYLIDE
 mf: C₂Cu₂ mw: 151.10

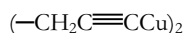


CONSENSUS REPORTS: Copper and its compounds are on the Community Right-To-Know List.

ACGIH TLV: TWA (fume) 0.2 mg/m³; (dust, mist) 1 mg(Cu)/m³

SAFETY PROFILE: An unstable material. It explodes on impact or heating to 100°C. If warmed in air or oxygen it explodes on subsequent contact with acetylene. The sensitivity of the acetylides when precipitated from solution increases with acidity of the solution. It ignites on contact with chlorine; bromine vapor; or finely divided iodine. Reaction with silver nitrate solutions produces a sensitive, explosive mixture of silver acetylides and silver. When heated to decomposition it emits acrid smoke and fumes. See also COPPER COMPOUNDS and ACETYLIDES.

DGQ625 CAS: 86425-12-9 HR: 3
DICOPPER(I)-1,5-HEXADIYNIDE
 mf: C₆H₄Cu₂ mw: 203.19



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

SAFETY PROFILE: The dry material explodes at room temperature. When heated to decomposition it emits acrid smoke and fumes. See also COPPER COMPOUNDS and ACETYLIDES.

DGQ650 CAS: 41084-90-6 HR: 3
DICOPPER(I) KETENIDE
 mf: C₂Cu₂O mw: 167.11

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

SAFETY PROFILE: Mildly explosive when dry. See also COPPER COMPOUNDS.

DGQ700 CAS: 27134-24-3 HR: 2
DICRESOL
 mf: C₁₄H₁₄O₂ mw: 214.28

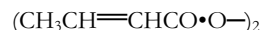
SYN: ar,ar'-DIMETHYL-(1,1'-BIPHENYL)-ar,ar'-DIOL (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1625 mg/kg GTPZAB 20(9),53,76
 skn-rat LD50:825 mg/kg GTPZAB 20(9),53,76
 orl-mus LD50:651 mg/kg GTPZAB 20(9),53,76

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

DGQ859 HR: 3
DICROTONYL PEROXIDE
 mf: C₈H₁₀O₄ mw: 170.16



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

DGQ875 CAS: 141-66-2 HR: 3
DICROTOPHOS

mf: C₈H₁₆NO₅P mw: 237.22

SYNS: BIDIRL □ BIDRIN □ C 709 □ CARBICRON □ CIBA 709 □ DIAPADRIN □ DICROTOFOS (DUTCH) □ 3-(DIMETHOXY-PHOSPHINYLOXY)-N,N-DIMETHYL-cis-CROTONAMIDE □ 3-(DIMETHOXYPHOSPHINYLOXY)-N,N-DIMETHYLISO-CROTONAMIDE □ 3-(DIMETHYLAMINO)-1-METHYL-3-OXO-1-PROPENYL DIMETHYL PHOSPHATE □ cis-2-DIMETHYL-CARBAMOYL-1-METHYLVINYL DIMETHYLPHOSPHATE □ O,O-DIMETHYL-O-(2-DIMETHYL-CARBAMOYL-1-METHYL-VINYL)PHOSPHAT (GERMAN) □ O,O-DIMETHYL-O-(N,N-DIMETHYLCARBAMOYL-1-METHYLVINYL) PHOSPHATE □ O,O-DIMETHYL-O-(1,4-DIMETHYL-3-OXO-4-AZA-PENT-1-ENYL)FOSFAAT (DUTCH) □ O,O-DIMETHYL-O-(1,4-DIMETHYL-3-OXO-4-AZA-PENT-1-ENYL)PHOSPHATE □ DIMETHYLPHOSPHATE ESTER with 3-HYDROXY-N,N-DIMETHYL-cis-CROTONAMIDE □ DIMETHYL PHOSPHATE of 3-HYDROXY-N,N-DIMETHYL-cis-CROTONAMIDE □ O,O-DIMETIL-O-(1,4-DIMETIL-3-OXO-4-AZA-PENT-1-ENIL)-FOSFATO (ITALIAN) □ EKTAFOS □ ENT 24,482 □ 3-HYDROXYDIMETHYL CROTONAMIDE DIMETHYL PHOSPHATE □ 3-HYDROXY-N,N-DIMETHYL-cis-CROTONAMIDE DIMETHYL PHOSPHATE □ PHOSPHATE de DIMETHYLE et de 2-DIMETHYLCARBAMOYL-1-METHYL VINYLE (FRENCH) □ SD 3562 □ SHELL SD-3562

TOXICITY DATA with REFERENCE:

mma-sat 500 µg/plate JTEHD6 16,403,85
 mrc-smc 30 mmol/L/5H MUREAV 32,133,75
 orl-rat LD50:13 mg/kg ARSIM* 20,6,66
 ihl-rat LC50:90 mg/m³/4H PSDTAP 15,239,74
 skn-rat LD50:42 mg/kg WRPCA2 9,119,70
 scu-rat LD50:8137 µg/kg BJPCBM 40,124,70
 orl-mus LD50:11 mg/kg GUCHAZ 6,196,73
 ipr-mus LD50:9500 µg/kg TXAP9 16,446,70
 scu-mus LD50:11,500 µg/kg JPPMAB 19,612,67
 ivn-mus LD50:9900 µg/kg JPPMAB 19,612,67
 skn-rbt LD50:168 mg/kg GUCHAZ 6,196,73

CONSENSUS REPORTS: EPA Farm Worker Reentry (39 FR 16888,74). EPA Genetic Toxicology Program. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.25 mg/m³ (skin)

ACGIH TLV: TWA 0.05 mg/m³ (skin); Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, subcutaneous, intravenous, and intraperitoneal routes. Mutation data reported. Used to control the coffee borer and certain economically important pests of cotton. When heated to decomposition it emits very toxic fumes of NO_x and PO_x. See also ESTERS.

DGQ900 CAS: 59989-92-3 HR: 2
DICTYOCARPINE 6-ACETATE

mf: C₂₆H₃₉NO₈ mw: 493.66

SYNS: ACONITANE-6,10,14-TRIOL, 1,16-DIMETHOXY-20-ETHYL-4-METHYL-7,8-(METHYLENEBIS(OXY))-, 6-ACETATE, (1-α-6-β,14-α-16-β)- □ DICTYOCARPINE

TOXICITY DATA with REFERENCE:

scu-mus LD50:1914 mg/kg JAFCAU 41,96,93

SAFETY PROFILE: Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x.**DGR200 CAS: 12001-89-7 HR: 3
DICUMENE CHROMIUM**mf: C₁₈H₂₄•Cr mw: 292.42**SYNS:** BIS(CUMENE)CHROMIUM □ BIS(pi-CUMENE)CHROMIUM □BIS(ISOPROPYLBENZENE)CHROMIUM □
DICUMENYLCHROMIUM**TOXICITY DATA with REFERENCE:**

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

eye-rbt 15 mg MOD UCDS** 4/21/67

orl-rat LD50:810 mg/kg AIHAAP 30,470,69

ivn-mus LD50:2200 µg/kg CSLNX* NX#06778

skn-rbt LD50:22 mg/kg UCDS** 4/21/67

CONSENSUS REPORTS: Chromium and its compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 1 mg(Cr)/m³**ACGIH TLV:** TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen**NIOSH REL:** (Chromium(VI)) CL 1 µg(Cr(VI))/m³**SAFETY PROFILE:** A confirmed carcinogen. Poison by skin contact and intravenous routes. Moderately toxic by ingestion. A skin and eye irritant. See also CHROMIUM COMPOUNDS. When heated to decomposition it emits acrid and irritating fumes.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.**DGR400 CAS: 25566-92-1 HR: 3
DICUMYLMETHANE**mf: C₁₉H₂₄ mw: 252.43**SYN:** DKM (RUSSIAN)**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:15 g/kg TPKVAL 6,73,64

ihl-mus LCLo:122 mg/m³ TPKVAL 6,73,64

scu-mus LDLo:19 g/kg TPKVAL 6,73,64

SAFETY PROFILE: Poison by inhalation. Mildly toxic by ingestion and subcutaneous routes. When heated to decomposition it emits acrid smoke and irritating fumes.**DGR600 CAS: 80-43-3 HR: 1
DI-α-CUMYL PEROXIDE**mf: C₁₈H₂₂O₂ mw: 270.40**SYNS:** ACTIVE DICUMYL PEROXIDE □ BIS(α,α-DIMETHYLBENZYL)PEROXIDE □ CUMENE PEROXIDE □ CUMYL PEROXIDE □ DICUMYL PEROXIDE (DOT) □ DI-CUP □ DI-CUP 40 KF □ DI-CUPR □ DIISOPROPYLBENZENE PEROXIDE □ ISOPROPYLBENZENE PEROXIDE □ LUPERCO □ LUPEROX □ LUPEROX 500R □ LUPEROX 500T □ VAROX DCP-R □ VAROX DCP-T**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4100 mg/kg BSPH* 1/75-19B

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. See also PEROXIDES. When heated to decomposition it emits acrid smoke and irritating fumes.**DGS000 CAS: 1071-98-3 HR: 3
DICYANOACETYLENE**mf: C₄N₂ mw: 76.09**PROP:** A solid or liquid. Mp: 21°, bp: 76°.**SYN:** 2-BUTYNEDINITRILE**CONSENSUS REPORTS:** Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** The pure material and concentrated solutions are potentially explosive. Ignites in air at 130°C. The flame temperature in oxygen can reach 4700°C. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. See also NITRILES and ACETYLENE COMPOUNDS.**DGS200 CAS: 1119-69-3 HR: 3
1,4-DICYANO-2-BUTENE**mf: C₆H₆N₂ mw: 106.13**PROP:** Accelerated polymerization decomp of dicyanobutene.**CONSENSUS REPORTS:** Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Decomposes violently when heated. Upon decomposition it emits toxic fumes of NO_x and CN⁻. See also CYANIDE.**DGS300 CAS: 1557-57-9 HR: 3
DICYANODIAZENE**mf: C₂N₄ mw: 80.05**SYN:** AZOCARBONITRILE**CONSENSUS REPORTS:** Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** An explosive sensitive to shock or heating in a closed container. Upon decomposition it emits toxic fumes of CN⁻ and NO_x. See also CYANIDE.**DGS600 CAS: 111-97-7 HR: 3
DI(2-CYANOETHYL)SULFIDE**mf: C₆H₈N₂S mw: 140.22**PROP:** White crystals or needles from alc. Mp: (α) 28.65°, (β): 22.10°, d: 1.1095 @ 30°, bp: 112–113° @ 17 mm.**SYNS:** β,β'-DICYANODIETHYL SULFIDE □ NITRIL KYSELINY β,β'-THIODIPROPIONOVE (CZECH) □ β,β'-THIODIPROPIONITRILE □ USAF HA-5**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,172,72

eye-rbt 500 mg AJOPAA 29,1363,46

eye-rbt 500 mg/24H MOD 28ZPAK -,172,72

orl-cat LD50:4210 mg/kg JIHTAB 31,60,49

ipr-mus LD50:300 mg/kg NTIS** AD277-689

orl-rat LD50:4500 mg/kg JIHTAB 31,60,49

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. Moderately toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and CN⁻. See also NITRILES.

DGS700 CAS: 55644-07-0 HR: 3
DICYANOFURAZAN

mf: C₄N₄O mw: 120.07



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

SAFETY PROFILE: A powerful but insensitive explosive. Explodes on contact with nitrogenous bases (e.g., hydrazine, mono- or di-methylhydrazine, piperidine, piperazine, diethylamine). Upon decomposition it emits toxic fumes of NO_x and CN⁻. See also CYANIDE.

DGS800 CAS: 55644-07-0 HR: 3
DICYANOFURAZAN-N-OXIDE

mf: C₄N₄O₂ mw: 136.07



SYN: DICYANOFUROXAN

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

SAFETY PROFILE: Explodes on contact with nitrogenous bases (e.g., hydrazine, mono- or di-methylhydrazine, piperidine, piperazine, diethylamine). Upon decomposition it emits toxic fumes of NO_x and CN⁻. See also CYANIDE.

DGT000 CAS: 4331-98-0 HR: 3
DICYANOGEN-N,N-DIOXIDE

mf: C₂N₂O₂ mw: 84.04



PROP: A liquid. Mp: -12.5° to -11°.

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

SAFETY PROFILE: Decomposes explosively at -45°C under vacuum. Upon decomposition it emits toxic fumes of NO_x and CN⁻. See also CYANIDE.

DGT200 CAS: 38780-37-9 HR: 3
cis-DICYCLOBUTYLAMMINEDICHLORO-PLATINUM(II)

mf: C₈H₁₈Cl₂N₂Pt mw: 408.27

PROP: Pale yellow crystals. Sol in polar org solvs. IDLH 4 mg/m³ (as Pt).

SYNS: cis-

BIS(CYCLOBUTYLAMMINE)DICHLOROPLATINUM(II) □ cis-DICHLOROBIS(CYCLOBUTYLAMMINE)PLATINUM(II)

TOXICITY DATA with REFERENCE:

mmo-sat 1 μmol/plate CBINA8 26,179,79

ipr-mus LD50:90 mg/kg CBINA8 5,415,72

SAFETY PROFILE: Poison by intraperitoneal route. Mutagenic data reported. See also PLATINUM

COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DGT300 CAS: 17455-23-1 HR: 3
DICYCLOHEXANO-24-CROWN-8

mf: C₂₄H₄₄O₈ mw: 380.61

PROP: Pale yellow viscous liquid. D: 1.105 @ 4°/20°. Sol in EtOH, and CHCl₃; sl sol in H₂O.

SYN: TETRACOSAHYDRO DIBENZ(b,n)(1,4,7,10,13,16,19,22)OCTAOXACYCLOTETRACOSIN

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MLD DCTODJ 8,451,85

eye-rbt 50 mg MOD DCTODJ 8,451,85

orl-rat LD50:75 mg/kg DCTODJ 8,451,85

ipr-rat LD50:10 mg/kg DCTODJ 8,451,85

ipr-mus LD50:12 mg/kg DCTODJ 8,451,85

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An eye and skin irritant. When heated to decomposition it emits acrid smoke and fumes.

DGT400 CAS: 6600-31-3 HR: 3
3,9,DI-(3-CYCLOHEXENYL)-2,4,8,10-TETRAOXASPIRO(5,5)UNDECANE

mf: C₁₉H₂₈O₄ mw: 320.47

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#01914

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGT500 CAS: 849-99-0 HR: 1
DICYCLOHEXYL ADIPATE

mf: C₁₈H₃₀O₄ mw: 310.48

SYNS: ERGOPLAST ADC □ HEXANEDIOIC ACID, DICYCLOHEXYL ESTER (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:16 g/kg RPZHAW 18,283,67

ipr-rat LD50:5101 mg/kg JPMSAE 62,1596,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. When heated to decomposition it emits acrid smoke and fumes.

DGT600 CAS: 101-83-7 HR: 3
N,N-DICYCLOHEXYLAMINE

DOT: UN 2565

mf: C₁₂H₂₃N mw: 181.36

PROP: Liquid; fishy odor. Mp: 20°, fp: -0.1°, bp: 256°, flash p: >210°F (OC), d: 0.910, vap d: 6.27.

SYNS: N-CYCLOHEXYLCYCLOHEXANAMINE □ DCHA □ DICHA □ DICYCLOHEXYLAMINE (DOT) □ DICYCLOHEXYLAMIN (CZECH) □ DODECAHYDRODIPHENYLAMINE

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 200 μg/L INHEAO 9,188,71

skn-rbt 2 mg/24H SEV 85JCAE -,468,86

eye-rbt 750 μg/24H SEV 85JCAE -,468,86

orl-rat LD50:373 mg/kg 85JCAE -,468,86

scu-mus LD50:135 mg/kg VOONAW 4,659,38
scu-rbt LDLo:500 mg/kg IECHAD 29,1247,37

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,178,87; Animal Inadequate Evidence IMEMDT 22,55,80. Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Corrosive. A severe skin and eye irritant. Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also CYCLOHEXYLAMINE.

DGU200 CAS: 3129-91-7 HR: 3
DICYCLOHEXYLAMINE NITRITE

DOT: UN 2687

mf: C₁₂H₂₃N•HNO₂ mw: 228.38

SYNS: DECHAN □ DICHAN (CZECH) □ DICYCLOHEXYLAMINONITRITE □ DICYCLOHEXYLAMMONIUM NITRITE □ DICYCLOHEXYLAMIN NITRIT (CZECH) □ DICYNIT (CZECH) □ DODECAHYDROPHENYLAMINE NITRITE □ DUSITAN DICYCLOHEXYLAMINU (CZECH)

TOXICITY DATA with REFERENCE:

orl-rat LD50:284 mg/kg 28ZPAK -,68,72

orl-mus LD50:80 mg/kg GISAAA 30(8),35,65

scu-mus LD50:155 mg/kg VOONAW 4,659,38

orl-gpg LD50:350 mg/kg UCPhAQ 2,231,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 4.1; Label: Flammable Solid

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Questionable carcinogen with experimental tumorigenic data. A flammable liquid. When heated to decomposition it emits very toxic fumes of HNO₂ and NO_x. See also NITRITES.

DGU400 CAS: 63915-52-6 HR: 2
DICYCLOHEXYLAMINE PENTANOATE

mf: C₁₂H₂₃N•C₅H₁₀O₂ mw: 283.51

SYNS: DICYCLOHEXYLAMINKAPRONAT (CZECH) □ KAPRONAN DICYCLOHEXYLAMINU (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,68,72

eye-rbt 250 µg/24H SEV 28ZPAK -,68,72

orl-rat LD50:3290 mg/kg 28ZPAK -,68,72

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

DGU709 CAS: 38780-35-7 HR: 3
cis-DICYCLOHEXYLAMMINEDICHLORO-PLATINUM(II)

mf: C₁₂H₂₆Cl₂N₂Pt mw: 464.39

PROP: IDLH 4 mg/m³ (as Pt).

SYNS: cis-DICHLORO BIS(CYCLOHEXYLAMINE) PLATINUM(II) □ cis-HAD

TOXICITY DATA with REFERENCE:

mma-sat 30 µg/plate MUREAV 95,79,82

dni-ham:ovr 40 mg/L CBINA8 35,189,81

cyt-ham:ovr 40 mg/L CBINA8 35,189,81

ipr-mus LD50:12 mg/kg BJCAA1 36,420,77

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. See also PLATINUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DGU800 CAS: 4979-32-2 HR: 1
N,N-DICYCLOHEXYL-2-BENZOTHAZOLE-SULFENAMIDE

mf: C₁₉H₂₆N₂S₂ mw: 346.59

SYN: N,N-DICYCLOHEXYLBENZTHIAZOLSULFENAMID (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,1101,86

eye-rbt 500 mg/24H MLD 85JCAE -,1101,86

orl-rat LD50:6420 mg/kg 85JCAE -,1101,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DGV000 HR: 3
DICYCLOHEXYLCARBONYL PEROXIDE

mf: C₁₄H₂₂O₄ mw: 254.33

(C₆H₁₁CO•O—)₂

SAFETY PROFILE: Large quantities may spontaneously explode. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES, ORGANIC.

DGV100 CAS: 16069-36-6 HR: 3
DICYCLOHEXYL-18-CROWN-6

mf: C₂₀H₃₆O₆ mw: 372.56

PROP: Colorless or pale-yellow wax. Mp: 38–54°, bp: 344°.

SYNS: DICYCLOHEXANO-18-CROWN-6 □ EICOSAHYDRO DIBENZO(b,k)(1,4,7,10,13,16)HEXA OXACYCLOOCTADECIN

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MLD DCTODJ 8,451,85

eye-rbt 50 mg MOD DCTODJ 8,451,85

orl-rat LD50:176 mg/kg DCTODJ 8,451,85

skn-rat LDLo:130 mg/kg MEIEDD 10,373,83

ipr-rat LD50:55 mg/kg DCTODJ 8,451,85

orl-mus LD50:192 mg/kg GISAAA 52(11),72,87

ipr-mus LD50:53 mg/kg DCTODJ 8,451,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, skin contact, and intraperitoneal routes. An experimental teratogen. An eye and skin irritant. When heated to decomposition it emits acrid smoke and fumes.

DGV200 CAS: 587-15-5 HR: 3
DICYCLOHEXYL FLUOROPHOSPHONATE

mf: C₁₂H₂₂FO₃P mw: 264.31

SYN: DICYCLOHEXYLFLUOROPHOSPHATE

TOXICITY DATA with REFERENCE:

ihl-rat LD50:1200 mg/m³/10M NTIS** PB158-508